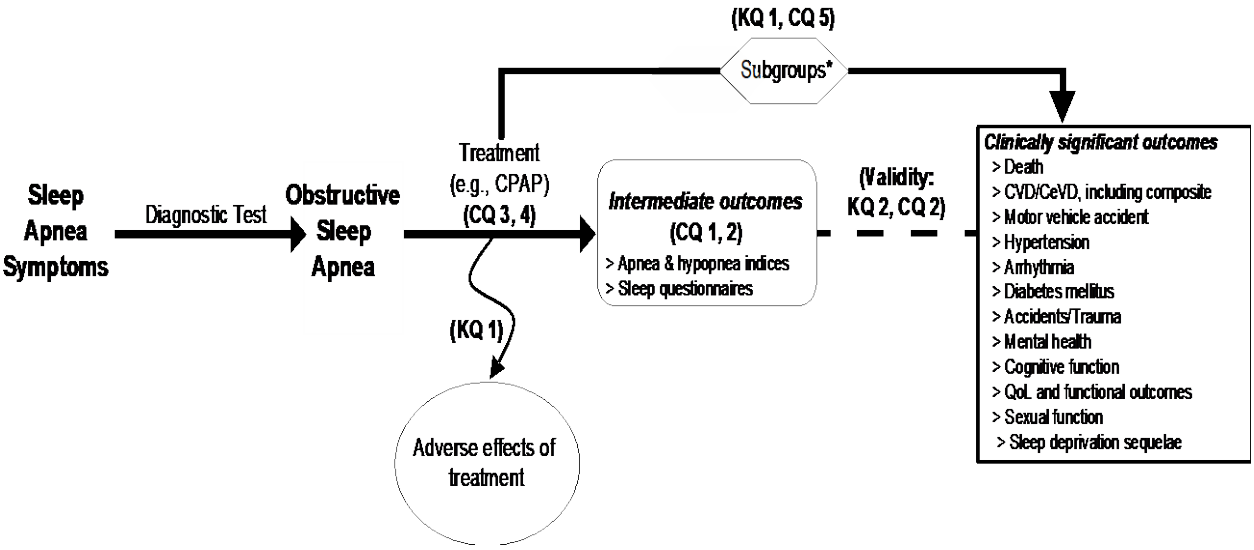
Appendix A. Methods

Figure A-1. Analytic Framework



CeVD = cerebrovascular disease, CPAP = continuous positive airway pressure treatment, CQ = Contextual Question, CVD = cardiovascular disease event, KQ = Key Question.

Final Search Strategies

The search strategy was designed and conducted by an experienced systematic review/medical reference Librarian with input from the investigators. Another librarian peer reviewed the search strategies using the PRESS Checklist. Separate searches were conducted for Key Questions 1 and 2. All searches were limited to 2010 to current

Key Question 1 Efficacy of CPAP

MEDLINE via PubMed (11/14/19): 3726 citations since 2010

(((Apnea* OR Hypopnea*) AND sleep) OR sleep-disordered breathing OR "Sleep Apnea, Obstructive"[Mesh:NoExp] OR "Airway Resistance"[Mesh] OR "Snoring"[Mesh] OR Upper airway resistance syndrome* OR Respiratory disturbance* OR obstructive sleep apnea* OR obstructive sleep apnoea* OR snore OR snoring OR hypoxia) NOT ((“Sleep Apnea, Central"[Mesh] OR "Obesity Hypoventilation Syndrome"[Mesh] OR "Parkinson Disease"[Mesh] OR "Down Syndrome"[Mesh] OR "Prader-Willi Syndrome"[Mesh] OR "Congenital Abnormalities"[Mesh] OR "Epilepsy"[Mesh] OR "Narcolepsy"[Mesh]) NOT "Sleep Apnea, Obstructive"[Mesh])

AND

("Positive-Pressure Respiration"[Mesh] OR "Continuous Positive Airway Pressure"[Mesh] OR Continuous Positive Airway Pressure OR "Intermittent Positive-Pressure Ventilation"[Mesh] OR "Ventilators, Mechanical"[Mesh] OR mask* OR "Masks"[Mesh] OR mechanical ventilator* OR respirator OR respirators OR CPAP machine)

AND

("Cohort Studies"[Mesh] OR cohort OR "Clinical Trial" [Publication Type] OR (follow-up or followup) OR longitudinal OR "Placebos"[Mesh] OR placebo* OR "Research Design"[Mesh] OR "Evaluation Studies" [Publication Type] OR "Evaluation Studies as Topic"[Mesh] OR "Comparative Study" [Publication Type] OR ((comparative or Intervention) AND study) OR pretest* OR posttest* OR prepost* OR “before and after” OR interrupted time* OR time serie* OR intervention* OR ((quasi-experiment* OR quasiexperiment* OR quasi or experimental) and (method or study or trial or design*)) OR “real world” OR “real-world” OR "Case-Control Studies"[Mesh] OR (case and control) OR "Random Allocation"[Mesh] OR "Clinical Trial" [Publication Type] OR "Double-Blind Method"[Mesh] OR "Single-Blind Method"[Mesh] OR random* OR "Placebos"[Mesh] OR placebo OR ((clinical OR controlled) and trial*) OR ((singl* or doubl* or trebl* or tripl*) and (blind* or mask*)) OR rct OR crossover OR cross-over OR cross-over OR RCT OR "Randomized Controlled Trial" [Publication Type] OR compared OR ((assignment OR assigned) AND patients) OR systematic[sb] OR meta-analysis[pt] OR meta-analysis as topic[mh] OR meta-analysis[mh] OR meta analy* OR metanaly* OR metaanaly* OR met analy* OR (systematic AND (review* OR overview*)) OR "Review Literature as Topic"[Mesh] OR cochrane[tiab] OR embase[tiab] OR (psychlit[tiab] or psyclit[tiab]) OR (psychinfo[tiab] or psycinfo[tiab]) OR (cinahl[tiab] or cinhal[tiab] OR “cumulative index to nursing and allied health”) OR science citation index[tiab] OR ibids[tiab] OR “international bibliographic information on dietary supplements” OR cancerlit[tiab] OR reference list*[tiab] OR bibliograph*[tiab] OR hand-search*[tiab] OR relevant journals[tiab] OR manual search*[tiab] OR ((selection OR inclusion OR exclusion) AND criteria[tiab]) OR data extraction[tiab] OR relevant journals OR "Systematic Review" [Publication Type]))
NOT (("Child"[Mesh] OR "Infant"[Mesh]) NOT "Adult"[Mesh])

Cochrane 11.14.19 1273 unique citations
(((Apnea* OR Hypopnea*) AND sleep) OR sleep-disordered breathing OR Upper airway resistance syndrome* OR Respiratory disturbance* OR obstructive sleep apnea* OR obstructive sleep apnoea* OR snore OR snoring OR hypoxia) AND (Continuous Positive Airway Pressure OR mask* OR mechanical ventilator* OR respirator OR respirators)

Embase 11/14/19 1363 unique citations

#248
#246 AND ([adult]/lim OR [aged]/lim OR [middle aged]/lim OR [very elderly]/lim) AND (2010:py OR 2011:py OR 2012:py OR 2013:py OR 2014:py OR 2015:py OR 2016:py OR 2017:py OR 2018:py OR 2019:py OR 2020:py); 3459
#247#246 AND ([adult]/lim OR [aged]/lim OR [middle aged]/lim OR [very elderly]/lim); 5367

#246
#244 AND #245 10765
#245
#239 OR #240 OR #241 OR #242 OR #243; 149986
#244
#234 OR #235 OR #236 OR #237 OR #238; 89592
#243
Respirator; 5212

#242
'mechanical ventilator'; 4270
#241
'artificial ventilation'; 131947
#240
'continuous positive airway pressure'; 13334
#239
'cpap device'; 1046
#238
'snoring'; 13649
#237
respiratory AND disturbance; 8635
#236
'upper airway resistance syndrome'; 554
#235
'sleep apnea'; 51780
#234
'sleep disordered breathing'/exp OR 'sleep disordered breathing'; 76356

CINAHL 11/14/19 213 unique citations
(((Apnea* OR Hypopnea*) AND sleep) OR sleep-disordered breathing OR Upper airway resistance syndrome* OR Respiratory disturbance* OR obstructive sleep apnea* OR obstructive sleep apnoea* OR snore OR snoring OR hypoxia)
AND
(Continuous Positive Airway Pressure OR mask* OR mechanical ventilator OR respirator OR respirators)

Epistemonikos – no unique citations
(sleep-disordered breathing OR Upper airway resistance syndrome OR Respiratory disturbance OR obstructive sleep apnea OR obstructive sleep apnoea OR snore OR snoring OR hypoxia)
AND
(Continuous Positive Airway Pressure OR mask OR mechanical ventilator OR respirator Or respirators)

Key Question 2 Association of AHI and Outcomes

MEDLINE via PubMed (2010 - today) 7191 citations on 11/19/19
((Polysomnography OR "Polysomnography"[Mesh] OR (apnea-hypopnea AND (score OR index)) OR "Respiratory effort-related arousal" OR "Respiratory effort related arousal" OR "respiratory disturbance index" OR Apnea* OR Hypopnea*)
AND
(((Apnea* OR Hypopnea*) AND sleep) OR sleep-disordered breathing OR "Apnea"[Mesh]) OR ("Sleep Apnea Syndromes"[Mesh] OR "Airway Resistance"[Mesh] OR "Snoring"[Mesh] OR Upper airway resistance syndrome* OR Respiratory disturbance* OR obstructive sleep apnea* OR obstructive sleep apnoea* OR hypopnea* OR snore OR snoring OR hypoxia)
AND

(cardiovascular OR cerebrovascular OR mortality OR death OR CVD OR blood pressure OR diabetes OR hypertension OR stroke OR “quality of life” OR “cognitive function” OR cognition* OR traumatic injury* OR depression OR anxiety OR “substance use disorder” OR “mental health” OR “health status” OR “Epworth Sleepiness Scale” OR “Functional Outcomes Sleep Questionnaire” OR (accident* AND (“motor vehicle” or car or traffic)) OR "Cardiovascular Diseases"[Mesh] OR “Multiple Sleep Latency Test” OR “Maintenance of Wakefulness Test” OR “General Health Questionnaire” OR “Calgary sleep apnea quality of life index” OR “Paced Auditory Serial Addition Test” OR "Sleep Apnea Syndromes/complications"[Mesh] OR "Blood Pressure"[Mesh] OR "Mortality"[Mesh] OR "Death"[Mesh] OR "Diabetes Mellitus"[Mesh] OR "Hypertension"[Mesh] OR "Quality of Life"[Mesh] OR "Wounds and Injuries"[Mesh] OR "Accidents, Traffic"[Mesh] OR "Cognition"[Mesh] OR "Anxiety"[Mesh] OR "Depression"[Mesh] OR "Mental Health"[Mesh] OR "Substance-Related Disorders"[Mesh])
AND
("Cohort Studies"[Mesh] OR cohort OR "Clinical Trial" [Publication Type] OR (follow-up or followup) OR longitudinal OR "Placebos"[Mesh] OR placebo* OR "Research Design"[Mesh] OR "Evaluation Studies" [Publication Type] OR "Evaluation Studies as Topic"[Mesh] OR "Comparative Study" [Publication Type] OR ((comparative or Intervention) AND study) OR pretest* OR posttest* OR prepost* OR “before and after” OR interrupted time* OR time serie* OR intervention* OR ((quasi-experiment* OR quasiexperiment* OR quasi or experimental) and (method or study or trial or design*)) OR “real world” OR “real-world” OR "Case-Control Studies"[Mesh] OR (case and control) OR "Random Allocation"[Mesh] OR "Clinical Trial" [Publication Type] OR "Double-Blind Method"[Mesh] OR "Single-Blind Method"[Mesh] OR random* OR "Placebos"[Mesh] OR placebo OR ((clinical OR controlled) and trial*) OR ((singl* or doubl* or trebl* or tripl*) and (blind* or mask*)) OR rct OR crossover OR cross-over OR cross-over OR RCT OR "Randomized Controlled Trial" [Publication Type] OR "Epidemiologic Studies"[Mesh] OR "Case-Control Studies"[Mesh] OR "Cohort Studies"[Mesh] OR “Case control” OR cohort OR (observational and (study or studies)) OR Longitudinal OR Retrospective OR "Prospective Studies"[Mesh] OR "Longitudinal Studies"[Mesh] OR "Follow-Up Studies"[Mesh] OR ((follow-up or followup or “follow up”) and (study or studies)) OR “multivariate analysis”))
NOT
("Animals"[Mesh] NOT "Humans"[Mesh])

Embase via Embase.com 3836 citations on 11/19/19
#25
#6 AND #11 AND #22 AND [1-1-2010]/sd NOT [19-11-2019]/sd AND ([article]/lim OR [article in press]/lim) AND [humans]/lim; 3,836
#24
#6 AND #11 AND #22 AND [1-1-2010]/sd NOT [19-11-2019]/sd; 9,033
#23
#6 AND #11 AND #22; 11,260
#22
#12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21; 5,711,608
#21

'anxiety disorder'; 83,503
#20
'depression'; 660,035
#19
'injury'; 1,586,992
#18
'cognition'; 325,388
#17
'quality of life'; 545,438
#16
'hypertension'; 928,372
#15
'diabetes mellitus'; 920,176
#14
'mortality'; 1,430,112
#13
'cerebrovascular disease'; 82,195
#12
'cardiovascular disease'; 370,460
#11
#7 OR #8 OR #9 OR #10; 46,047
#10
'respiratory disturbance index'; 1,938
#9
'respiratory effort-related arousal' OR 'respiratory effort related arousal'; 51
#8
'apnea hypopnea index'; 16,943
#7
'polysomnography'; 38,422
#6
#1 OR #2 OR #3 OR #4 OR #5; 89,653
#5
'snoring'; 13,656
#4
respiratory AND disturbance; 8,635*
#3
'upper airway resistance syndrome'; 554*
#2
'sleep apnea'; 51,780*
#1
'sleep disordered breathing'/exp OR 'sleep disordered breathing'; 76,356

Eligibility Criteria

Eligibility Criteria Relevant to <u>Both KQs</u>

Population

- Adults (>18 years)
- *Exclude* studies with any pregnant women
- *Exclude* studies in which any participants are reported to have, at baseline, central sleep apnea (from any cause including prior stroke, severe heart failure, among others), obesity hypoventilation syndrome (Pickwickian syndrome), neuromuscular disease, Parkinson disease, Down syndrome, Prader-Willi syndrome, major congenital skeletal abnormalities, narcolepsy, narcotic addiction, Alzheimer disease, epilepsy and or with mild cognitive impairment

Intervention/Comparator

- *Exclude* studies of surgical interventions for OSA or bariatric surgery

Outcomes

- Hard clinical outcomes
    - Major clinical outcomes
        - Death
        - Cardiovascular and cerebrovascular events or incident diagnosis
        - Motor vehicle accidents
        - Composite outcomes that include only major clinical outcomes (e.g., major adverse cardiovascular events defined as including all-cause mortality)
    - Other patient-centered and/or clinically significant outcomes
        - Other cardiovascular outcomes
            - Objective measures of cardiovascular severity (categorized, not continuous measures such as intima media thickness)
            - Incident hypertension (or regression to normotension)
            - Arrhythmias
            - Incident arrhythmias (or resolution of arrhythmias)
            - Clinically significant ventricular arrhythmias
            - Atrial fibrillation
        - New-onset diabetes mellitus or prediabetes (or regression to normoglycemia)
        - Mental health conditions, including depression, anxiety, and substance use disorder: incident diagnosis or resolution
        - Cognitive function: clinical diagnosis (e.g., of dementia) or validated executive function measures
        - Quality of life and functional outcomes (validated measures)
        - Sexual function: clinical diagnosis (e.g., diagnosis of erectile dysfunction or anorgasmia) or their resolution
        - Sequelae of sleep deprivation (e.g., trauma, missed work or school)
        - Other clinically significant outcomes reported in studies or as found for CQ 5
        - Exclude
            - Blood pressure

    - Asymptomatic arrhythmias or laboratory measures (e.g., captured by electrophysiologic testing [heart rate variability, QTc interval, etc.])
    - Glycemia measures (e.g., hemoglobin A1c, fasting blood glucose)
    - Instruments to measure severity of OSA (including AHI and sleepiness)
- Minimum duration for associations with death, incident cardiovascular events, hypertension, or diabetes is 1 year
- Minimum duration for all other outcomes is 6 months

Mediators of treatment effect (or association) (E.g., factors to be evaluated in subgroup analyses) Note that these are not eligibility criteria, but are factors that will evaluated to potentially explain different findings across studies; e.g., by subgroup analysis, regression, or other methods to evaluate heterogeneity of treatment effect)

- Body weight/obesity/neck circumference, etc.
- Weight change (loss or gain)
- Prior cardiovascular, cerebrovascular, or other major clinical disease/condition
- Sex/gender
- Race/ethnicity
- Severity of OSA (as defined by study)
- Other mediators as reported in primary studies

Setting

- Outpatient only (except for sleep laboratory setting for measurement of sleep and breathing measures)
- *Exclude* acute care hospital settings (including perioperative)

Additional Eligibility Criteria Specific to KQ 1

Populations

- As listed above, for both KQs

Intervention (CPAP)

- CPAP for treatment (not diagnosis or staging) of OSA
    - At least 1 month of prescribed (planned) treatment
- *Exclude* intervention designed only to improve CPAP compliance/adherence (i.e., not an intervention of CPAP, *per se*)
- *Exclude* evaluations of accessories only (e.g., nasal cannulas, head straps, humidifiers)
- *Exclude* evaluation of CPAP titration methods, *per se*, including specific parameters or modes (e.g., starting pressures)
- *Exclude* evaluations of other features meant to improve comfort or adherence
- *Exclude* other non-CPAP interventions (e.g., different times of monitoring, scoring), including noninvasive ventilation

Comparators

- No CPAP
- Non-CPAP active interventions for OSA (e.g., mandibular advancement device)
    - *Exclude* bariatric surgery (as a comparator treatment)
    - *Exclude* surgical OSA procedure (as a comparator treatment)
- Other CPAP modality or protocol (e.g., autoCPAP vs. bilevel CPAP)

Exclude comparisons with different accessories, titration methods, features to improve comfort or adherence, other non-CPAP interventions (e.g., different times of monitoring, scoring), including noninvasive

Outcomes

- As listed above, for both KQs
- Sleep and breathing measures (e.g., AHI) and validated sleep questionnaires (e.g., Epworth Sleepiness Scale) (only for the purpose of addressing KQ 1b, not as outcomes of interest)
- Adverse events related to CPAP use

Mediators of treatment effect (E.g., subgroup analyses; see note above about mediators)

- As listed above, for both KQs
- New or prior OSA diagnosis
- Treatment naïve versus failed prior treatment
- First versus second or more use of CPAP
- Treatment (CPAP) compliance
- Treatment (CPAP) discontinuation

Design

- Randomized controlled trials (RCT)
    - Consider whether study met power calculation for the outcome(s) of interest (including adverse events)
- Nonrandomized comparative studies (NRCS)
    - Restrict to studies that use modeling or other analytic methods to minimize confounding bias (due to inherent differences between people who receive one or the other intervention)
    - *Exclude* case-control design
    - *Exclude* "pre-post" design (comparison of before and after CPAP treatment in a single group of participants)
- Longitudinal
    - *Exclude* cross-sectional

Additional Eligibility Criteria <u>Specific to KQ 2</u>

For KQ 2, we will include studies that measure a change in the intermediate/surrogate measure (e.g., AHI) over a period of time and report on outcomes of interest. We will include studies that provide formal evaluation of validity of the intermediate/surrogate measure for the clinical

outcome and other studies that report sufficient data to analyze a potential association between the change in the measure and the clinical outcome.

Population

- Adults
    - Do not require a diagnosis of OSA (for evaluations of associations of measures)
    - *Exclude* populations as described under "Eligibility Criteria relevant to Both KQs"

Intermediate/Surrogate measures (variables of interest evaluated regarding their association with clinical outcomes)

- Sleep and breathing measures
    - Indices based on apneas or hypopneas (e.g., AHI, RDI) or other respiratory events such as RERAs, oxygen desaturations
- *Exclude* evaluations of isolated neurophysiologic parameters of sleep (e.g., respiratory effort, heart rate, air flow, pulse oximetry alone) and cardiac electrophysiology indices (e.g., heart rate variability)

Outcomes

- As listed above, for both KQs
- Each study must report both one or more intermediate/surrogate measures (i.e., sleep and breathing measures) *and* one or more outcomes of interest

Additional mediators of association (e.g., analyzed by subgroup analyses)

- As listed above, for both KQs
- Definition of sleep and breathing measure

Study Design

- Longitudinal studies informing on person-level associations of sleep and breathing measure(s) with outcome(s)
    - Patient-level association between *change* in measure and *change or incident* outcome (i.e., evaluation of association reported within study)
    - *Exclude* cross-sectional studies
- Comparative or noncomparative (single group) studies
- N ≥30 analyzed for a given association between intermediate/surrogate measure and outcome

Appendix B. Rejected Studies

PubMed ID	Title	Journal	Authors	Rejection Reason
	Long-term survival in veterans with sleep apnea	Sleep	Jara SM PA, Maynard C, Weaver EM.	Conference abstract only
	Continuous Positive Airway Pressure (CPAP) Treatment Reduces Mortality at the Population Level	American Journal of Respiratory and Critical Care Medicine	de Batlle JB, S; Turino, C; Escarrabill, J; Sánchez-de-la-Torre, M; Woehrle, H; Barbé, F.	Conference abstract only
29797974	[Association between obstructive sleep apnea hypopnea syndrome and type 2 diabetes in Chinese:a Meta analysis]	Lin Chung Er Bi Yan Hou Tou Jing Wai Ke Za Zhi	Yang, S. H. and Ma, L. and Li, K. and Lv, Y. H. and Sun, R. and Xiang, Y. and Huang, D. J. and Yang, J. L.	D: Case-control study
	Mortality analysis of obstructive sleep apnea syndrome cohort receiving positive airway pressure treatment: a 6-year follow-up	Aging Male	√áetinta≈ü Af≈üar, G. and Yƒ±ldƒ±z, T. and Sogukpƒ±nar, O. and Sarav√ü, S. and Oztin G√ºven, A. and Salt√ºrk, C.	D: Case-control study
28673378	Newly diagnosed obstructive sleep apnoea and type 2 diabetes mellitus	Danish Medical Journal	Jacobsen, A. R. and Eriksen, F. and Thorup, L. and Sk√∏deberg, L. B. and Holm, J. P. Y. and Hansen, K. W.	D: Case-control study
23302113	CPAP effect on recurrent episodes in patients with sleep apnea and myocardial infarction	Int J Cardiol	Garcia-Rio, F. and Alonso-Fernandez, A. and Armada, E. and Mediano, O. and Lores, V. and Rojo, B. and Fernandez-Lahera, J. and Fernandez-Navarro, I. and Carpio, C. and Ramirez, T.	D: Case-control study
22760893	Oxidative stress and quality of life in elderly patients with obstructive sleep apnea syndrome: are there differences after six months of Continuous Positive Airway Pressure treatment?	Clinics (Sao Paulo)	Yagihara, F. and Lucchesi, L. M. and D'Almeida, V. and Mello, M. T. and Tufik, S. and Bittencourt, L. R.	D: Case-control study
21403097	Association of incident cardiovascular disease with progression of sleep-disordered breathing.	Circulation	Chami HA	D: Case-control study
20408931	The side-effects to CPAP treatment inventory: the development and initial validation of a new tool for the	J Sleep Res	Brostrom, A. and Arestedt, K. F. and Nilsen, P. and Stromberg, A. and Ulander, M. and Svanborg, E.	D: Cross-sectional study

PubMed ID	Title	Journal	Authors	Rejection Reason
	measurement of side-effects to CPAP treatment			
28153209	A place for Apnea Hypopnea Index telemonitoring in preventing heart failure exacerbation?	Sleep Medicine	Palot, A. and Jaffuel, D. and Gouitaa, M. and Tummino, C. and Charpin, D. and Chanez, P.	D: KQ 1 N<30 total
10903249	A randomized, controlled crossover trial of two oral appliances for sleep apnea treatment.	American journal of respiratory and critical care medicine	Bloch KE and Iseli A and Zhang JN and Xie X and Kaplan V and Stoeckli PW and Russi EW	D: KQ 1 N<30 total
CN-01531161	Apnea, Bariatric Surgery Versus Continuous Positive Airway Pressure (CPAP) Trial	https://clinicaltrials.gov/show/NCT01187771	Nct	D: KQ 1 N<30 total
27220350	Effect of Heated Humidification on CPAP Therapy Adherence in Subjects With Obstructive Sleep Apnea With Nasopharyngeal Symptoms	Respir Care	Soudorn, C. and Muntham, D. and Reutrakul, S. and Chirakalwasan, N.	D: KQ 1 N<30 total
abstract	The effect of continuous positive airway pressure (CPAP) on overlapping and non-overlapping depressive symptoms in obstructive sleep apnoea (OSA) using linear growth curve modelling	Sleep Medicine	Nanthakumar, S. and Bucks, R. S. and Skinner, T. C. and Starkstein, S. and Hillman, D. R. and James, A. L. and Hatch, K.	D: KQ 1 N<30 total
21336702	The efficacy of oral appliances in the treatment of severe obstructive sleep apnea	Sleep and Breathing	Lam, B. and Sam, K. and Lam, J. C. M. and Lai, A. Y. K. and Lam, C. L. and Ip, M. S. M.	D: KQ 1 N<30 total
9785277	Sleep fragmentation and daytime vigilance in patients with OSA treated by surgical maxillomandibular advancement compared to CPAP therapy.	Journal of sleep research	Conradt R and Hochban W and Heitmann J and Brandenburg U and Cassel W and Penzel T and Peter JH	D: KQ 1 N<30 total
2024846	The effect of positive reinforcement on hourly compliance in nasal continuous positive airway pressure users with obstructive sleep apnea.	The American review of respiratory disease	Fletcher EC and Luckett RA	D: KQ 1 N<30 total
9155816	Comparison of two dental devices for treatment of	American journal of orthodontics and dentofacial orthopedics :	Hans MG and Nelson S and Luks VG and Lorkovich P and Baek SJ	D: KQ 1 N<30 total

PubMed ID	Title	Journal	Authors	Rejection Reason
	obstructive sleep apnea syndrome (OSAS).	official publication of the American Association of Orthodontists, its constituent societies, and the American Board of Orthodontics		
12143089	Mandibular advancement appliances and obstructive sleep apnoea: a randomized clinical trial.	European journal of orthodontics	Johnston CD and Gleadhill IC and Cinnamond MJ and Gabbey J and Burden DJ	D: KQ 1 N<30 total
9741373	Comparison of nose and face mask CPAP therapy for sleep apnoea.	Thorax	Mortimore IL and Whittle AT and Douglas NJ	D: KQ 1 N<30 total
12171833	An individually adjustable oral appliance vs continuous positive airway pressure in mild-to-moderate obstructive sleep apnea syndrome.	Chest	Randerath WJ and Heise M and Hinz R and Ruehle KH	D: KQ 1 N<30 total
12143088	Mandibular advancement splints and continuous positive airway pressure in patients with obstructive sleep apnoea: a randomized cross-over trial.	European journal of orthodontics	Tan YK and L'Estrange PR and Luo YM and Smith C and Grant HR and Simonds AK and Spiro SG and Battagel JM	D: KQ 1 N<30 total
3067313	Role of protriptyline and acetazolamide in the sleep apnea/hypopnea syndrome.	Sleep	Whyte KF and Gould GA and Airlie MA and Shapiro CM and Douglas NJ	D: KQ 1 N<30 total
23585745	Mandibular advancement splint as short-term alternative treatment in patients with obstructive sleep apnea already effectively treated with continuous positive airway pressure.	J Clin Sleep Med.	Almeida FR, Mulgrew A, Ayas N, Tsuda H, Lowe AA, Fox N, Harrison S, Fleetham JA.	D: KQ 1 N<30 total
24755667	Positive airway pressure in patients with coronary artery disease and obstructive sleep apnea syndrome	J Cardiovasc Med (Hagerstown)	Capodanno, D. and Milazzo, G. and Cumbo, M. and Marchese, A. and Salemi, A. and Quartarone, L. and Benvenuto, E. and Galseran, C. and Distefano, S. M. and Tamburino, C.	D: KQ 1 N<30 total
20673292	Nasal pillows as an alternative interface in patients with obstructive sleep apnoea syndrome initiating continuous positive airway pressure therapy	Journal of Sleep Research	Ryan, S. and Garvey, J. F. and Swan, V. and Behan, R. and McNicholas, W. T.	D: KQ 1 N<30 total

PubMed ID	Title	Journal	Authors	Rejection Reason
18989715	Mandibular advancement splint titration in obstructive sleep apnoea.	Sleep & breathing = Schlaf & Atmung	Campbell AJ and Reynolds G and Trengrove H and Neill AM	D: KQ 1 N<30 total
17310863	Efficacy of mirtazapine in obstructive sleep apnea syndrome.	Sleep	Carley DW and Olopade C and Ruigt GS and Radulovacki M	D: KQ 1 N<30 total
18710420	Does nasal decongestion improve obstructive sleep apnea?	Journal of sleep research	Clarenbach CF and Kohler M and Senn O and Thurnheer R and Bloch KE	D: KQ 1 N<30 total
12502473	A randomized trial of laser-assisted uvulopalatoplasty in the treatment of mild obstructive sleep apnea.	American journal of respiratory and critical care medicine	Ferguson KA and Heighway K and Ruby RR	D: KQ 1 N<30 total
17337881	Automatic pressure titration with APAP is as effective as manual titration with CPAP in patients with obstructive sleep apnea.	Respiration; international review of thoracic diseases	Fietze I and Glos M and Moebus I and Witt C and Penzel T and Baumann G	D: KQ 1 N<30 total
18241718	Palatal implants for the treatment of snoring and obstructive sleep apnea/hypopnea syndrome.	Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery	Friedman M and Schalch P and Lin HC and Kakodkar KA and Joseph NJ and Mazloom N	D: KQ 1 N<30 total
15072173	A randomized trial of auto-titrating CPAP and fixed CPAP in the treatment of obstructive sleep apnea-hypopnea.	Respiratory medicine	Hussain SF and Love L and Burt H and Fleetham JA	D: KQ 1 N<30 total
15860720	Randomised controlled crossover trial of humidified continuous positive airway pressure in mild obstructive sleep apnoea.	Thorax	Marshall NS and Neill AM and Campbell AJ and Sheppard DS	D: KQ 1 N<30 total
16377643	Didgeridoo playing as alternative treatment for obstructive sleep apnoea syndrome: randomised controlled trial.	BMJ (Clinical research ed.)	Puhan MA and Suarez A and Lo Cascio C and Zahn A and Heitz M and Braendli O	D: KQ 1 N<30 total
16354893	Atrial overdrive pacing for the obstructive sleep apnea-hypopnea syndrome.	The New England journal of medicine	Simantirakis EN and Schiza SE and Chrysostomakis SI and Chlouverakis GI and Klapsinos NC and Siafakas NM and Vardas PE	D: KQ 1 N<30 total
15611894	Elevated posture for the management of obstructive sleep apnea.	Sleep & breathing = Schlaf & Atmung	Skinner MA and Kingshott RN and Jones DR and Homan SD and Taylor DR	D: KQ 1 N<30 total

PubMed ID	Title	Journal	Authors	Rejection Reason
CN-01548765	Adherence and Preference of Continuous Positive Airway Pressure Versus Mandibular Advancement Splints in Obstructive Sleep Apnea Patients: a Randomized Trial (CHOICE)	https://clinicaltrials.gov/show/NCT02242617	Nct	D: KQ 1 N<30 total
CN-01529905	Effects of Continuous Positive Airway Pressure (CPAP) Treatment on Glucose Control in Patients With Type 2 Diabetes	https://clinicaltrials.gov/show/NCT01136785	Nct	D: KQ 2 N<10/arm
CN-01479580	Obstructive Sleep Apnea Treatment to Improve Cardiac Rehabilitation	https://clinicaltrials.gov/show/NCT02005445	Nct	D: KQ 2 N<10/arm
28993211	Global cognitive profile and different components of reaction times in obstructive sleep apnea syndrome: Effects of continuous positive airway pressure over time	Int J Psychophysiol	Devita, M. and Zangrossi, A. and Marvisi, M. and Merlo, P. and Rusconi, M. L. and Mondini, S.	D: KQ 2 N<10/arm
8843528	Ambulatory blood pressure on and off continuous positive airway pressure therapy for the sleep apnea/hypopnea syndrome: effects in 'non-dippers'.	Sleep	Engleman HM and Gough K and Martin SE and Kingshott RN and Padfield PL and Douglas NJ	D: KQ 2 N<10/arm
9059469	Effect of CPAP therapy on daytime function in patients with mild sleep apnoea/hypopnoea syndrome.	Thorax	Engleman HM and Martin SE and Deary IJ and Douglas NJ	D: KQ 2 N<10/arm
10084491	Positional treatment vs continuous positive airway pressure in patients with positional obstructive sleep apnea syndrome.	Chest	Jokic R and Klimaszewski A and Crossley M and Sridhar G and Fitzpatrick MF	D: KQ 2 N<10/arm
abstract	CPAP treatment can improved cognition and memory dysfunction in obstructive sleep apnea syndrome	American Journal of Respiratory and Critical Care Medicine	Chang, E.	D: KQ 2 N<10/arm

PubMed ID	Title	Journal	Authors	Rejection Reason
23425321	Incremental shuttle walk test in the assessment of patients with obstructive sleep apnea-hypopnea syndrome	Journal of Sleep Research	Billings, C. G. and Aung, T. and Renshaw, S. A. and Bianchi, S. M.	D: KQ 2 N<10/arm
14718430	Lack of efficacy for a cervicomandibular support collar in the management of obstructive sleep apnea.	Chest	Skinner MA and Kingshott RN and Jones DR and Taylor DR	D: KQ 2 N<10/arm
30724333	CPAP Adherence May Slow 1-Year Cognitive Decline in Older Adults with Mild Cognitive Impairment and Apnea	Journal of the American Geriatrics Society	Richards, K. C. and Gooneratne, N. and Dicicco, B. and Hanlon, A. and Moelter, S. and Onen, F. and Wang, Y. and Sawyer, A. and Weaver, T. and Lozano, A. and Carter, P. and Johnson, J.	D: KQ 2 N<10/arm
22983957	Cardiovascular mortality in obstructive sleep apnea in the elderly: Role of long-term continuous positive airway pressure treatment: A prospective observational study	American Journal of Respiratory and Critical Care Medicine	Martínez-García, M. A. and Campos-Rodrv≠guez, F. and Catalv°n-Serra, P. and Soler-Cataluv±a, J. J. and Almeida-Gonzalez, C. and De La Cruz Morv≥n, I. and Durv°n-Cantolla, J. and Montserrat, J. M.	D: No comparator of interest (KQ 2)
22618924	Association between treated and untreated obstructive sleep apnea and risk of hypertension	JAMA - Journal of the American Medical Association	Marin, J. M. and Agusti, A. and Villar, I. and Forner, M. and Nieto, D. and Carrizo, S. J. and Barbv©, F. and Vicente, E. and Wei, Y. and Javier Nieto, F. and Jelic, S.	D: No comparator of interest (KQ 2)
25487312	Adequate continuous positive airway pressure therapy reduces mortality in Chinese patients with obstructive sleep apnea.	Sleep & breathing = Schlaf & Atmung	Yuan X and Fang J and Wang L and Yao L and Li L and Zhan X and Wu H and Pinto JM and Wei Y	D: No comparator of interest (KQ 2)
20378728	Outcomes in patients with chronic obstructive pulmonary disease and obstructive sleep apnea: The overlap syndrome	American Journal of Respiratory and Critical Care Medicine	Marin, J. M. and Soriano, J. B. and Carrizo, S. J. and Boldova, A. and Celli, B. R.	D: No comparator of interest (KQ 2)
31128116	Incident Type 2 Diabetes in OSA and Effect of CPAP Treatment: A Retrospective Clinic Cohort Study	Chest	Xu, P. H. and Hui, C. K. M. and Lui, M. M. S. and Lam, D. C. L. and Fong, D. Y. T. and Ip, M. S. M.	D: No comparator of interest (KQ 2)
28984599	Sleep Apnea, Cognitive Profile, and Vascular Changes: An Intriguing Relationship	J Alzheimers Dis	Buratti, L. and Viticchi, G. and Baldinelli, S. and Falsetti, L. and Luzzi, S. and Pulcini, A. and Petrelli, C. and Provinciali, L. and Silvestrini, M.	D: No comparator of interest (KQ 2)
30580706	Increased Incidence of Stroke, but Not Coronary Heart Disease, in Elderly Patients With Sleep Apnea	Stroke	Catalan-Serra, P. and Campos-Rodriguez, F. and Reyes-Nunez, N. and Selma-Ferrer, M. J. and Navarro-Soriano, C. and Ballester-Canelles, M. and Soler-Cataluna, J. J. and Roman-Sanchez, P. and Almeida-Gonzalez, C. V. and Martinez-Garcia, M. A.	D: No comparator of interest (KQ 2)

PubMed ID	Title	Journal	Authors	Rejection Reason
23731062	Cardiovascular mortality in obstructive sleep apnoea treated with continuous positive airway pressure or oral appliance: an observational study	Respirology	Anandam, A. and Patil, M. and Akinnusi, M. and Jaoude, P. and El-Solh, A. A.	D: No comparator of interest (KQ 2)
	Long-term continuous positive airway pressure treatment for obstructive sleep apnea reduces incident diabetes risk in a chinese cohort	American Journal of Respiratory and Critical Care Medicine	Xu, P. and Hui, C. K. and Lui, M. M. and Lam, D. C. and Fong, D. Y. and Ip, M. S.	D: No comparator of interest (KQ 2)
22250142	Cardiovascular mortality in women with obstructive sleep apnea with or without continuous positive airway pressure treatment: a cohort study	Ann Intern Med	Campos-Rodriguez, F. and Martinez-Garcia, M. A. and de la Cruz-Moron, I. and Almeida-Gonzalez, C. and Catalan-Serra, P. and Montserrat, J. M.	D: No comparator of interest (KQ 2)
24673616	Role of sleep apnea and continuous positive airway pressure therapy in the incidence of stroke or coronary heart disease in women	Am J Respir Crit Care Med	Campos-Rodriguez, F. and Martinez-Garcia, M. A. and Reyes-Nunez, N. and Caballero-Martinez, I. and Catalan-Serra, P. and Almeida-Gonzalez, C. V.	D: No comparator of interest (KQ 2)
23623910	Treatment of obstructive sleep apnea reduces the risk of atrial fibrillation recurrence after catheter ablation	J Am Coll Cardiol	Fein, A. S. and Shvilkin, A. and Shah, D. and Haffajee, C. I. and Das, S. and Kumar, K. and Kramer, D. B. and Zimetbaum, P. J. and Buxton, A. E. and Josephson, M. E. and Anter, E.	D: No comparator of interest (KQ 2)
29664672	Primary care physicians can comprehensively manage patients with sleep apnea a noninferiority randomized controlled trial	American Journal of Respiratory and Critical Care Medicine	Sánchez-Quiroga, M. and Corral, J. and GV≥mez-de-Terreros, F. J. and Carmona-Bernal, C. and Isabel Asensio-Cruz, M. and Cabello, M. and √Ångeles MartV≠nez-MartV≠nez, M. and Egea, C. J. and Ordax, E. and Barbe, F. and Barca, J. and Masa, J. F.	D: No comparator of interest (KQ 2)
28728839	Sleep apneas and cardiovascular risk after Sleep Apnea Cardiovascular Endpoints Study (SAVE). What next?	Arch Bronconeumol	Mediano, O. and Masdeu, M. J. and McEvoy, D. and Barbe, F.	D: Not primary study (or SR or CPG)
22187783	[HypnoLaus sleep cohort study]	Rev Med Suisse	Heinzer, R. and Haba-Rubio, J. and Tafti, M.	D: Not primary study (or SR or CPG)
23997711	Mandibular advancement device vs. CPAP in the treatment of obstructive sleep apnea: are they	J Clin Sleep Med	White, D. P. and Shafazand, S.	D: Not primary study (or SR or CPG)

PubMed ID	Title	Journal	Authors	Rejection Reason
	equally effective in Short term health outcomes?			
23372475	CPAP and hypertension in nonsleepy patients	J Clin Sleep Med	Phillips, B. and Shafazand, S.	D: Not primary study (or SR or CPG)
30443423	Bayesian Network Model to Evaluate the Effectiveness of Continuous Positive Airway Pressure Treatment of Sleep Apnea	Healthc Inform Res	Ryynanen, O. P. and Leppanen, T. and Kekolahti, P. and Mervaala, E. and Toyras, J.	D: Not primary study (or SR or CPG)
27842396	2016 - In CVD with moderate-to-severe obstructive sleep apnea, adding CPAP to usual care did not reduce major CV events	ACP Journal Club	Arepally, S. and Blanchard, A. R.	D: Not primary study (or SR or CPG)
25830519	Continuous positive airway pressure plus weight loss for obstructive sleep apnea (OSA), association of cancer with OSA, and hypoglossal nerve stimulation for OSA treatment	American Journal of Respiratory and Critical Care Medicine	Iftikhar, I. H. and Donley, M. A. and Al-Jaghbeer, M. and Monserrate, A.	D: Not primary study (or SR or CPG)
30067830	Correction: Continuous Positive Airway Pressure Treatment Reduces Mortality in Elderly Patients with Moderate to Severe Obstructive Severe Sleep Apnea: A Cohort Study	PLoS One	Ou, Q. and Chen, Y. C. and Zhuo, S. Q. and Tian, X. T. and He, C. H. and Lu, X. L. and Gao, X. L.	D: Not primary study (or SR or CPG)
30949909	Obstructive Sleep Apnea and Hypertension: Why Treatment Does Not Consistently Improve Blood Pressure	Curr Hypertens Rep	Parati, G. and Pengo, M. F. and Lombardi, C.	D: Not primary study (or SR or CPG)
31631059	The impact of obstructive sleep apnea and PAP therapy on all-cause and cardiovascular mortality based on age and gender - a literature review	Respir Investig	Mashaqi, S. and Gozal, D.	D: Not primary study (or SR or CPG)
	Continuous positive airway pressure does not prevent cardiovascular events in patients with moderateto-severe sleep apnea and cardiovascular disease	Clinical pulmonary medicine	Torres, L. K. and Zappetti, D.	D: Not primary study (or SR or CPG)

PubMed ID	Title	Journal	Authors	Rejection Reason
	Editorial - PT for OSA_SleepMedReviews 2013.pdf			D: Not primary study (or SR or CPG)
	Supine position related obstructive sleep apnea in adults: Pathogenesis and treatment			D: Not primary study (or SR or CPG)
	K100160 - ZZOMA Night Shift Predicate - 5-11-10.pdf			D: Not primary study (or SR or CPG)
	K140190 - Night Shift Predicate Product Lunoa - 5-29-14.pdf			D: Not primary study (or SR or CPG)
	K180608 - Nightbalance - 6-5-18.pdf			D: Not primary study (or SR or CPG)
	Positional therapy in the management of positional obstructive sleep apnea—a review of the current literature		Omobomi O, Quan SF	D: Not primary study (or SR or CPG)
22748748	Effects of CPAP on systemic hypertension in OSAH: a monocentric, observational, cohort study	Respir Med	Bottini, P. and Taranto-Montemurro, L. and Novali, M. and Bettinzoli, M. and Roca, E. and Andreoli, C. and Bentivoglio, M. and Corda, L. and Tantucci, C.	D: NRCS, no multivariable analysis (KQ 2)
23235356	Effects of continuous positive airway pressure on blood pressure in hypertensive patients with obstructive sleep apnea: A 3-year follow-up	Journal of Hypertension	Kasiakogias, A. and Tsioufis, C. and Thomopoulos, C. and Aragiannis, D. and Alchanatis, M. and Tousoulis, D. and Papademetriou, V. and Floras, J. S. and Stefanadis, C.	D: NRCS, no multivariable analysis (KQ 2)
23997361	Oral appliance versus continuous positive airway pressure in obstructive sleep apnea syndrome: a 2-year follow-up	Sleep	Doff, M. H. and Hoekema, A. and Wijkstra, P. J. and van der Hoeven, J. H. and Huddleston Slater, J. J. and de Bont, L. G. and Stegenga, B.	D: NRCS, no multivariable analysis (KQ 2)
	Survival and adherence to CPAP in the elderly	Sleep Medicine	Lopez-Padilla, D. and Alonso-Moralejo, R. and De La Torre Carazo, S. and DV≠az Cambriles, T. and MuV±oz MV©ndez, J. and DV≠az De Atauri, M.	D: NRCS, no multivariable analysis (KQ 2)
26929262	Long-term quality-of-life outcomes following treatment for adult obstructive sleep apnoea: comparison of upper airway surgery, continuous	Clinical Otolaryngology	Woods, C. M. and Gunawardena, I. and Chia, M. and Vowles, N. J. and Ullah, S. and Robinson, S. and Carney, A. S.	D: NRCS, no multivariable analysis (KQ 2)

PubMed ID	Title	Journal	Authors	Rejection Reason
	positive airway pressure and mandibular advancement splints			
15781100	Long-term cardiovascular outcomes in men with obstructive sleep apnoea-hypopnoea with or without treatment with continuous positive airway pressure: an observational study	Lancet	Marin J	D: NRCS, no multivariable analysis (KQ 2)
28739036	Meta-Analysis of the Effect of Obstructive Sleep Apnea on Cardiovascular Events After Percutaneous Coronary Intervention.	The American journal of cardiology	Zhao Y and Yu BY and Liu Y and Liu Y	D: Too short f/up
27159803	Blood pressure effects of CPAP in nonresistant and resistant hypertension associated with OSA: A systematic review of randomized clinical trials	Clin Exp Hypertens	Feldstein, C. A.	D: Too short f/up
10593774	Effect of continuous positive airway pressure vs placebo continuous positive airway pressure on sleep quality in obstructive sleep apnea.	Chest	Loredo JS and Ancoli-Israel S and Dimsdale JE	D: Too short f/up
10504011	Effect of CPAP treatment on mood states in patients with sleep apnea.	Journal of psychiatric research	Yu BH and Ancoli-Israel S and Dimsdale JE	D: Too short f/up
CN-01559993	Auto-PAP for Pulmonary Hypertension Treatment in Decompensated HF Patients With Sleep Apnea	https://clinicaltrials.gov/show/NCT02963597	Nct	D: Too short f/up
28326793	Changes in habitual sleep duration after continuous positive airway pressure for obstructive sleep apnea	Annals of the American Thoracic Society	Tachikawa, R. and Minami, T. and Matsumoto, T. and Murase, K. and Tanizawa, K. and Inouchi, M. and Oga, T. and Chin, K.	D: Too short f/up
26910598	Effect of continuous positive airway pressure on glycemic control in patients with obstructive sleep apnea and type	American Journal of Respiratory and Critical Care Medicine	Martinez-Ceron, E. and Barquiel, B. and Bezos, A. M. and Casitas, R. and Galera, R. and Garcia-Benito, C. and Hernanz, A. and Alonso-Fernandez, A. and Garcia-Rio, F.	D: Too short f/up

PubMed ID	Title	Journal	Authors	Rejection Reason
	2 diabetes a randomized clinical trial			
24841834	Effect of CPAP on blood pressure in patients with obstructive sleep apnea and resistant hypertension: a systematic review and meta-analysis	Int J Cardiol	Varounis, C. and Katsi, V. and Kallikazaros, I. E. and Tousoulis, D. and Stefanadis, C. and Parissis, J. and Lekakis, J. and Siristatidis, C. and Manolis, A. J. and Makris, T.	D: Too short f/up
27070139	Nonadherence with Employer-Mandated Sleep Apnea Treatment and Increased Risk of Serious Truck Crashes	Sleep	Burks, S. V. and Anderson, J. E. and Bombyk, M. and Haider, R. and Ganzhorn, D. and Jiao, X. and Lewis, C. and Lexvold, A. and Liu, H. and Ning, J. and Toll, A. and Hickman, J. S. and Mabry, E. and Berger, M. and Malhotra, A. and Czeisler, C. A. and Kales, S. N.	D: Too short f/up
28128991	Associations between nocturnal urinary 6-sulfatoxymelatonin, obstructive sleep apnea severity and glycemic control in type 2 diabetes	Chronobiol Int	Reutrakul, S. and Siwasaranond, N. and Nimitphong, H. and Saetung, S. and Chirakalwasan, N. and Chailurkit, L. O. and Srijaruskul, K. and Ongphiphadhanakul, B. and Thakkinstian, A.	D: Too short f/up
28798089	Effect of continuous positive airway pressure on blood pressure and metabolic profile in women with sleep apnoea	Eur Respir J	Campos-Rodriguez, F. and Gonzalez-Martinez, M. and Sanchez-Armengol, A. and Jurado-Gamez, B. and Cordero-Guevara, J. and Reyes-Nunez, N. and Troncoso, M. F. and Abad-Fernandez, A. and Teran-Santos, J. and Caballero-Rodriguez, J. and Martin-Romero, M. and Encabo-Motino, A. and Sacristan-Bou, L. and Navarro-Esteva, J. and Somoza-Gonzalez, M. and Masa, J. F. and Sanchez-Quiroga, M. A. and Jara-Chinarro, B. and Orosa-Bertol, B. and Martinez-Garcia, M. A.	D: Too short f/up
19427263	The effect of continuous positive airway pressure treatment on physical activity in patients with obstructive sleep apnoea: A randomised controlled trial.	Sleep medicine	West SD and Kohler M and Nicoll DJ and Stradling JR	D: Too short f/up
CN-01107704	Neuroanatomical correlates of cognitive dysfunction in obstructive sleep apnoea: an ongoing study	American journal of respiratory and critical care medicine	Glasser, M. and Rosenzweig, I. and McMillan, A. and Drivas, P. and Satkunam, K. and Man, W. D. C. and Simonds, A. K. and Morrell, M. J.	D: Too short f/up
29889828	Sleepiness, fatigue, anxiety and depression in Chronic Obstructive Pulmonary Disease and Obstructive Sleep Apnea - Overlap - Syndrome, before and	PLoS One	Economou, N. T. and Ilias, I. and Velentza, L. and Papachatzakis, Y. and Zarogoulidis, P. and Kallianos, A. and Trakada, G.	D: Too short f/up

PubMed ID	Title	Journal	Authors	Rejection Reason
	after continuous positive airways pressure therapy			
29707586	The Relationship between Diabetes-Related Complications and Obstructive Sleep Apnea in Type 2 Diabetes	J Diabetes Res	Siwasaranond, N. and Nimitphong, H. and Manodpitipong, A. and Saetung, S. and Chirakalwasan, N. and Thakkinstian, A. and Reutrakul, S.	D: Too short f/up
20627917	Continuous positive airway pressure titration for obstructive sleep apnoea: automatic versus manual titration	Thorax	McArdle, N. and Singh, B. and Murphy, M. and Gain, K. R. and Maguire, C. and Mutch, S. and Hillman, D. R.	D: Too short f/up
30817452	Normotensive patients with obstructive sleep apnoea: changes in 24-h ambulatory blood pressure monitoring with continuous positive airway pressure treatment	J Hypertens	Sapina-Beltran, E. and Santamaria-Martos, F. and Benitez, I. and Torres, G. and Masa, J. F. and Sanchez-de-la-Torre, M. and Barbe, F. and Dalmases, M.	D: Too short f/up
29685205	May inflammatory markers be used for monitoring the continuous positive airway pressure effect in patients with obstructive sleep apnea and arrhythmias?	Medical Hypotheses	Dediu, G. N. and Diaconu, C. C. and Dumitrache Rujinski, S. and Iancu, M. A. and Balaceanu, L. A. and Dina, I. and Bogdan, M.	D: Too short f/up
23723343	The effects of provent on moderate-to-severe obstructive sleep apnea during continuous positive airway pressure therapy withdrawal: primary outcomes from a randomized controlled trial	American journal of respiratory and critical care medicine	Rossi, V. and Winter, B. and Rahman, N. M. and Yu, L. M. and Fallon, J. and Clarenbach, C.	D: Too short f/up
25550946	Effects of continuous positive airway pressure on blood pressure and prognosis in hypertensive patients with coronary artery bypass grafting and obstructive sleep apnea	Journal of the american college of cardiology.	Huang, Z. and Liu, Z.	D: Too short f/up
25966016	Beneficial Effects of Positive Airway Pressure Therapy for Sleep-Disordered Breathing in Heart Failure Patients With	Clin Cardiol	Yoshihisa, A. and Suzuki, S. and Yamauchi, H. and Sato, T. and Oikawa, M. and Kobayashi, A. and Yamaki, T. and Sugimoto, K. and Kunii, H. and Nakazato, K. and Suzuki, H. and Saitoh, S. and Takeishi, Y.	D: Too short f/up

PubMed ID	Title	Journal	Authors	Rejection Reason
	Preserved Left Ventricular Ejection Fraction			
20091401	Efficacy of continuous positive airway pressure on arrhythmias in obstructive sleep apnea patients	Heart and Vessels	Abe, H. and Takahashi, M. and Yaegashi, H. and Eda, S. and Tsunemoto, H. and Kamikozawa, M. and Koyama, J. and Yamazaki, K. and Ikeda, U.	D: Too short f/up
25601933	Effects of continuous positive airway pressure treatment on clinic and ambulatory blood pressures in patients with obstructive sleep apnea and resistant hypertension: a randomized controlled trial	Hypertension	Muxfeldt, E. S. and Margallo, V. and Costa, L. M. and Guimarv£es, G. and Cavalcante, A. H. and Azevedo, J. C. and de Souza, F. and Cardoso, C. R. and Salles, G. F.	D: Too short f/up
20577130	Continuous positive airway pressure treatment in sleep apnea patients with resistant hypertension: a randomized, controlled trial	J Hypertens	Lozano, L. and Tovar, J. L. and Sampol, G. and Romero, O. and Jurado, M. J. and Segarra, A. and Espinel, E. and Rios, J. and Untoria, M. D. and Lloberes, P.	D: Too short f/up
31307844	Screening and treatment of obstructive sleep apnea in acute coronary syndrome. A randomized clinical trial	Int J Cardiol.	Koo CY1, Chua AP2, Kristanto W3, Koh EH4, Tan ES1, Abd Rahman S2, Abd Gani MB4, Chong JP5, Aung AT1, Han TO4, Chan SP5, Low AF6, Yeo TC1, Chan MY7, Kojodjojo P8, Richards AM7, Lee CH9.	D: Too short f/up
29739785	Comparison of success criteria based on long-term symptoms and new-onset hypertension in mandibular advancement device treatment for obstructive sleep apnoea: observational cohort study	BMJ Open	Wee, J. H. and Lim, J. H. and Gelera, J. E. and Rhee, C. S. and Kim, J. W.	D: Too short f/up
24769782	Effect of continuous positive airway pressure on type 2 diabetes mellitus and glucose metabolism	Hosp Pract (1995)	Gallegos, L. and Dharia, T. and Gadegbeku, A. B.	D: Too short f/up
22172965	Effects of nasal continuous positive airway pressure on panic disorder comorbid with obstructive sleep apnea syndrome	Sleep Med	Takaesu, Y. and Inoue, Y. and Komada, Y. and Kagimura, T. and Iimori, M.	D: Too short f/up
12515745	Effect of nasal continuous positive airway pressure	Circulation	Becker HF and Jerrentrup A and Ploch T and Grote L and Penzel T and Sullivan CE and Peter JH	D: Too short f/up

PubMed ID	Title	Journal	Authors	Rejection Reason
	treatment on blood pressure in patients with obstructive sleep apnea.			
16778262	Effect of continuous positive airway pressure on ambulatory BP in patients with sleep apnea and hypertension: a placebo-controlled trial.	Chest	Campos-Rodriguez F and Grilo-Reina A and Perez-Ronchel J and Merino-Sanchez M and Gonzalez-Benitez MA and Beltran-Robles M and Almeida-Gonzalez C	D: Too short f/up
18461376	A randomized, controlled, crossover study of a noncustomized tongue retaining device for sleep disordered breathing.	Sleep & breathing = Schlaf & Atmung	Dort L and Brant R	D: Too short f/up
17503102	Effect of a 2 week CPAP treatment on mood states in patients with obstructive sleep apnea: a double-blind trial.	Sleep & breathing = Schlaf & Atmung	Haensel A and Norman D and Natarajan L and Bardwell WA and Ancoli-Israel S and Dimsdale JE	D: Too short f/up
16928705	Nasal CPAP reduces systemic blood pressure in patients with obstructive sleep apnoea and mild sleepiness.	Thorax	Hui DS and To KW and Ko FW and Fok JP and Chan MC and Ngai JC and Tung AH and Ho CW and Tong MW and Szeto CC and Yu CM	D: Too short f/up
17694727	Neuropsychological effects of 2-week continuous positive airway pressure treatment and supplemental oxygen in patients with obstructive sleep apnea: a randomized placebo-controlled study.	Journal of clinical sleep medicine : JCSM : official publication of the American Academy of Sleep Medicine	Lim W and Bardwell WA and Loredo JS and Kim EJ and Ancoli-Israel S and Morgan EE and Heaton RK and Dimsdale JE	D: Too short f/up
12571548	A randomized, controlled trial of 1 week of continuous positive airway pressure treatment on quality of life.	Heart & lung : the journal of critical care	Profant J and Ancoli-Israel S and Dimsdale JE	D: Too short f/up
17557769	Effect of CPAP on insulin resistance and HbA1c in men with obstructive sleep apnoea and type 2 diabetes.	Thorax	West SD and Nicoll DJ and Wallace TM and Matthews DR and Stradling JR	D: Too short f/up
	Effect of CPAP on depressive symptoms in OSA	Egyptian Journal of Chest Diseases and Tuberculosis	Eldahdouh, S. S. and El-Habashy, M. M. and M.S, E. Lbahy	D: Too short f/up
27692134	Efficacy of nasal continuous positive airway pressure on	Respir Med	Li, Z. and Tang, T. and Wu, W. and Gu, L. and Du, J. and Zhao, T. and Zhou, X. and Wu, H. and Qin, G.	D: Too short f/up

PubMed ID	Title	Journal	Authors	Rejection Reason
	patients with OSA with erectile dysfunction and low sex hormone levels			
CN-01595093	Sleep Study-Guided Multidisciplinary Therapy for Patients Presenting With Acute Coronary Syndrome	https://clinicaltrials.gov/show/NCT02599298	Nct	D: Too short f/up
25035126	A crossover randomised controlled trial of oral mandibular advancement devices for obstructive sleep apnoea-hypopnoea (TOMADO)	Thorax	Quinnell, T. G. and Bennett, M. and Jordan, J. and Clutterbuck-James, A. L. and Davies, M. G. and Smith, I. E. and Oscroft, N. and Pittman, M. A. and Cameron, M. and Chadwick, R. and Morrell, M. J. and Glover, M. J. and Fox-Rushby, J. A. and Sharples, L. D.	D: Too short f/up
18719218	Obstructive sleep apnea therapy.	Journal of dental research	Hoekema A and Stegenga B and Wijkstra PJ and van der Hoeven JH and Meinesz AF and de Bont LG	D: Too short f/up
23413266	Health outcomes of continuous positive airway pressure versus oral appliance treatment for obstructive sleep apnea: A randomized controlled trial	American Journal of Respiratory and Critical Care Medicine	Phillips, C. L. and Grunstein, R. R. and Darendeliler, M. A. and Mihailidou, A. S. and Srinivasan, V. K. and Yee, B. J. and Marks, G. B. and Cistulli, P. A.	D: Too short f/up
28714534	Adjustable thermoplastic oral appliance versus positive airway pressure for obstructive sleep apnea	Laryngoscope	Banhiran, W. and Assanasen, P. and Nopmaneejumrudlers, C. and Nujchanart, N. and Srechareon, W. and Chongkolwatana, C. and Metheetrairut, C.	D: Too short f/up
12825037	A randomized trial of temperature-controlled radiofrequency, continuous positive airway pressure, and placebo for obstructive sleep apnea syndrome.	Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery	Woodson BT and Steward DL and Weaver EM and Javaheri S	D: Too short f/up
23976778	Improving activity in adults with diabetes and coexisting obstructive sleep apnea	West J Nurs Res	Chasens, E. R. and Korytkowski, M. and Sereika, S. M. and Burke, L. E. and Drumheller, O. J. and Strollo, P. J., Jr.	D: Too short f/up
17121868	Randomised study of three non-surgical treatments in mild to moderate obstructive sleep apnoea.	Thorax	Lam B and Sam K and Mok WY and Cheung MT and Fong DY and Lam JC and Lam DC and Yam LY and Ip MS	D: Too short f/up
27181196	Continuous positive airway pressure improves quality of life in women with obstructive sleep	American Journal of Respiratory and Critical Care Medicine	Campos-Rodriguez, F. and Queipo-Corona, C. and Carmona-Berna, C. and Jurado-Gamez, B. and Cordero-Guevara, J. and Reyes-Nuv±ez, N. and Troncoso-Acevedo, F. and Abad-Fernandez, A. and Teran-Santos, J.	D: Too short f/up

PubMed ID	Title	Journal	Authors	Rejection Reason
	apnea a randomized controlled trial		and Caballero-Rodriguez, J. and Martin-Romero, M. and Encabo-Motiv±o, A. and Sacristan-Bou, L. and Navarro-Esteva, J. and Somoza-Gonzalez, M. and Masa, J. F. and Sanchez-Quiroga, M. A. and Jara-Chinarro, B. and Orosa-Bertol, B. and Martinez-Garcia, M. A.	
23702236	Effect of speech therapy as adjunct treatment to continuous positive airway pressure on the quality of life of patients with obstructive sleep apnea	Sleep Med	Diaferia, G. and Badke, L. and Santos-Silva, R. and Bommarito, S. and Tufik, S. and Bittencourt, L.	D: Too short f/up
CN-01536555	A Randomized Cross Over Trial of Two Treatments for Sleep Apnea in Veterans With Post-Traumatic Stress Disorder	https://clinicaltrials.gov/show/NCT01569022	Nct	D: Too short f/up
24790271	The complex sleep apnea resolution study: a prospective randomized controlled trial of continuous positive airway pressure versus adaptive servoventilation therapy	Sleep	Morgenthaler, T. I. and Kuzniar, T. J. and Wolfe, L. F. and Willes, L. and McLain, W. C., 3rd and Goldberg, R.	D: Too short f/up
29065960	A Randomized Crossover Trial Evaluating Continuous Positive Airway Pressure Versus Mandibular Advancement Device on Health Outcomes in Veterans With Posttraumatic Stress Disorder	J Clin Sleep Med	El-Solh, A. A. and Homish, G. G. and Ditursi, G. and Lazarus, J. and Rao, N. and Adamo, D. and Kufel, T.	D: Too short f/up
19567496	Pressure reduction during exhalation in sleep apnea patients treated by continuous positive airway pressure.	Chest	Pepin JL and Muir JF and Gentina T and Dauvilliers Y and Tamisier R and Sapene M and Escourrou P and Fleury B and Philip-Joet F and Philip P and d'Ortho MP	D: Too short f/up
30213463	Effects of Exercise Training and CPAP in Patients With Heart Failure and OSA: A Preliminary Study	Chest	Servantes, D. M. and Javaheri, S. and Kravchychyn, A. C. P. and Storti, L. J. and Almeida, D. R. and de Mello, M. T. and Cintra, F. D. and Tufik, S. and Bittencourt, L.	D: Too short f/up
17081222	Sexual function and obstructive sleep apnea-hypopnea: a randomized clinical trial evaluating the effects of oral-	The journal of sexual medicine	Hoekema A and Stel AL and Stegenga B and van der Hoeven JH and Wijkstra PJ and van Driel MF and de Bont LG	D: Too short f/up

PubMed ID	Title	Journal	Authors	Rejection Reason
	appliance and continuous positive airway pressure therapy.			
15201136	Efficacy of positive airway pressure and oral appliance in mild to moderate obstructive sleep apnea.	American journal of respiratory and critical care medicine	Barnes M and McEvoy RD and Banks S and Tarquinio N and Murray CG and Vowles N and Pierce RJ	D: Too short f/up
12449179	Health utilities in evaluating intervention in the sleep apnoea/hypopnoea syndrome.	The European respiratory journal	Chakravorty I and Cayton RM and Szczepura A	D: Too short f/up
17904420	Cardiac function after CPAP therapy in patients with chronic heart failure and sleep apnea: a multicenter study.	Sleep medicine	Egea CJ and Aizpuru F and Pinto JA and Ayuela JM and Ballester E and Zamarron C and Sojo A and Montserrat JM and Barbe F and Alonso-Gomez AM and Rubio R and Lobo JL and Duran-Cantolla J and Zorrilla V and Nunez R and Cortes J and Jimenez A and Cifrian J and Ortega M and Carpizo R and Sanchez A and Teran J and Iglesias L and Fernandez C and Alonso ML and Cordero J and Roig E and Perez F and Muxi A and Gude F and Amaro A and Calvo U and Masa JF and Utrabo I and Porras Y and Lanchas I and Sanchez E	D: Too short f/up
14597482	Controlled trial of continuous positive airway pressure in obstructive sleep apnea and heart failure.	American journal of respiratory and critical care medicine	Mansfield DR and Gollogly NC and Kaye DM and Richardson M and Bergin P and Naughton MT	D: Too short f/up
28759181	Cognitive function and depressivity before and after CPAP treatment in obstructive Sleep apnea patients	Neuroendocrinology Letters	Hobzova, M. and Hubackova, L. and Vanek, J. and Genzor, S. and Ociskova, M. and Grambal, A. and Prasko, J.	D: Too short f/up
29992713	Continuous positive airway pressure for obstructive sleep apnoea does not improve asthma control	Respirology	Ng, S. S. S. and Chan, T. O. and To, K. W. and Chan, K. K. P. and Ngai, J. and Yip, W. H. and Lo, R. L. P. and Ko, F. W. S. and Hui, D. S. C.	D: Too short f/up
10382693	Comparison of therapeutic and subtherapeutic nasal continuous positive airway pressure for obstructive sleep apnoea: a randomised prospective parallel trial.	Lancet (London, England)	Jenkinson C and Davies RJ and Mullins R and Stradling JR	D: Too short f/up
19014075	Effects of continuous positive airway pressure on quality of life in patients with moderate to	Sleep	Siccoli MM and Pepperell JC and Kohler M and Craig SE and Davies RJ and Stradling JR	D: Too short f/up

PubMed ID	Title	Journal	Authors	Rejection Reason
	severe obstructive sleep apnea: data from a randomized controlled trial.			
22837377	Continuous positive airway pressure treatment of sleepy patients with milder obstructive sleep apnea: results of the CPAP Apnea Trial North American Program (CATNAP) randomized clinical trial	Am J Respir Crit Care Med	Weaver, T. E. and Mancini, C. and Maislin, G. and Cater, J. and Staley, B. and Landis, J. R. and Ferguson, K. A. and George, C. F. and Schulman, D. A. and Greenberg, H. and Rapoport, D. M. and Walsleben, J. A. and Lee-Chiong, T. and Gurubhagavatula, I. and Kuna, S. T.	D: Too short f/up
	Effect of continuous positive airway pressure on quality of life measures in moderate to severe obstructive sleep apnea: sleep apnea stress study randomized controlled trial	Sleep	Kaur, S. and Wang, L. and Walia, H. and Mehra, R.	D: Too short f/up
19136368	A randomized controlled trial of nurse-led care for symptomatic moderate-severe obstructive sleep apnea.	American journal of respiratory and critical care medicine	Antic NA and Buchan C and Esterman A and Hensley M and Naughton MT and Rowland S and Williamson B and Windler S and Eckermann S and McEvoy RD	D: Too short f/up
26022945	Obstructive sleep apnoea in the elderly: role of continuous positive airway pressure treatment	Eur Respir J	Martinez-Garcia, M. A. and Chiner, E. and Hernandez, L. and Cortes, J. P. and Catalan, P. and Ponce, S. and Diaz, J. R. and Pastor, E. and Vigil, L. and Carmona, C. and Montserrat, J. M. and Aizpuru, F. and Lloberes, P. and Mayos, M. and Selma, M. J. and Cifuentes, J. F. and Munoz, A.	D: Too short f/up
28625382	Impact of continuous positive airway pressure and oxygen on health status in patients with coronary heart disease, cardiovascular risk factors, and obstructive sleep apnea: A Heart Biomarker Evaluation in Apnea Treatment (HEARTBEAT) analysis	Am Heart J	Lewis, E. F. and Wang, R. and Punjabi, N. and Gottlieb, D. J. and Quan, S. F. and Bhatt, D. L. and Patel, S. R. and Mehra, R. and Blumenthal, R. S. and Weng, J. and Rueschman, M. and Redline, S.	D: Too short f/up
30538163	Positive airway pressure for sleep-disordered breathing in acute quadriplegia: a randomised controlled trial	Thorax	Berlowitz, D. J. and Schembri, R. and Graco, M. and Ross, J. M. and Ayas, N. and Gordon, I. and Lee, B. and Graham, A. and Cross, S. V. and McClelland, M. and Kennedy, P. and Thumbikat, P. and Bennett, C. and Townson, A. and Geraghty, T. J. and Pieri-Davies, S. and Singhal, R. and Marshall, K. and Short, D. and Nunn, A.	D: Too short f/up

PubMed ID	Title	Journal	Authors	Rejection Reason
			and Mortimer, D. and Brown, D. and Pierce, R. J. and Cistulli, P. A.	
31647838	Comprehensive management of obstructive sleep apnea by telemedicine: Clinical improvement and cost-effectiveness of a Virtual Sleep Unit. A randomized controlled trial	PLoS One	Lugo, V. M. and Garmendia, O. and Suarez-Giron, M. and Torres, M. and Vazquez-Polo, F. J. and Negrin, M. A. and Moraleda, A. and Roman, M. and Puig, M. and Ruiz, C. and Egea, C. and Masa, J. F. and Farre, R. and Montserrat, J. M.	D: Too short f/up
22334808	A pilot study assessing adherence to auto-bilevel following a poor initial encounter with CPAP	J Clin Sleep Med	Powell, E. D. and Gay, P. C. and Ojile, J. M. and Litinski, M. and Malhotra, A.	D: Too short f/up
12406840	Comparison between automatic and fixed positive airway pressure therapy in the home.	American journal of respiratory and critical care medicine	Massie CA and McArdle N and Hart RW and Schmidt-Nowara WW and Lankford A and Hudgel DW and Gordon N and Douglas NJ	D: Too short f/up
14525804	Randomized short-term trial of two autoCPAP devices versus fixed continuous positive airway pressure for the treatment of sleep apnea.	American journal of respiratory and critical care medicine	Senn O and Brack T and Matthews F and Russi EW and Bloch KE	D: Too short f/up
17470670	Auto-titrating continuous positive airway pressure therapy in patients with chronic heart failure and obstructive sleep apnoea: a randomized placebo-controlled trial.	European heart journal	Smith LA and Vennelle M and Gardner RS and McDonagh TA and Denvir MA and Douglas NJ and Newby DE	D: Too short f/up
24852701	Severe obstructive sleep apnea syndrome and erectile dysfunction: a prospective randomised study to compare sildenafil versus nasal continuous positive airway pressure	Journal of sexual medicine	Pastore, A. L. and Palleschi, G. and Silvestri, L. and Gallo, A. and Pagliuca, G. and Nobili Benedetti, F. and Carbone, A.	D: Too short f/up
31517263	Prospective Randomized Controlled Trial on the Efficacy of Continuous Positive Airway Pressure and Adaptive Servo-Ventilation in the Treatment of Chronic Complex Insomnia	EClinicalMedicine	Krakow, B. and McIver, N. D. and Ulibarri, V. A. and Krakow, J. and Schrader, R. M.	D: Too short f/up
15683142	Comparative study of autotitrating and fixed-pressure	Sleep	Hukins C	D: Too short f/up

PubMed ID	Title	Journal	Authors	Rejection Reason
	CPAP in the home: a randomized, single-blind crossover trial.			
18197915	A randomized cross-over study of auto-continuous positive airway pressure versus fixed-continuous positive airway pressure in patients with obstructive sleep apnoea.	Respirology (Carlton, Vic.)	To KW and Chan WC and Choo KL and Lam WK and Wong KK and Hui DS	D: Too short f/up
CN-01577825	The Impact of Obstructive Sleep Apnea in Erectile Dysfunction	https://clinicaltrials.gov/show/NCT03086122	Nct	D: Too short f/up
26065720	Effect of CPAP on Cognition, Brain Function, and Structure Among Elderly Patients With OSA: A Randomized Pilot Study	Chest	Dalmases, M. and Sole-Padulles, C. and Torres, M. and Embid, C. and Nunez, M. D. and Martinez-Garcia, M. A. and Farre, R. and Bargallo, N. and Bartres-Faz, D. and Montserrat, J. M.	D: Too short f/up
12231497	Randomized crossover trial of two treatments for sleep apnea/hypopnea syndrome: continuous positive airway pressure and mandibular repositioning splint.	American journal of respiratory and critical care medicine	Engleman HM and McDonald JP and Graham D and Lello GE and Kingshott RN and Coleman EL and Mackay TW and Douglas NJ	D: Too short f/up
8625679	A randomized crossover study of an oral appliance vs nasal-continuous positive airway pressure in the treatment of mild-moderate obstructive sleep apnea.	Chest	Ferguson KA and Ono T and Lowe AA and Keenan SP and Fleetham JA	D: Too short f/up
30089160	Erectile dysfunction in obstructive sleep apnea patients: A randomized trial on the effects of Continuous Positive Airway Pressure (CPAP)	PLoS One	Pascual, M. and de Batlle, J. and Barbe, F. and Castro-Grattoni, A. L. and Auguet, J. M. and Pascual, L. and Vila, M. and Cortijo, A. and Sanchez-de-la-Torre, M.	D: Too short f/up
18641111	Cardiac effects of continuous and bilevel positive airway pressure for patients with heart failure and obstructive sleep apnea: a pilot study.	Chest	Khayat RN and Abraham WT and Patt B and Roy M and Hua K and Jarjoura D	D: Too short f/up
CN-01491479	Auto Bilevel Adherence Following a Poor Initial Encounter With Continuous Positive Airway Pressure (CPAP)	https://clinicaltrials.gov/show/NCT02522442	Nct	D: Too short f/up

PubMed ID	Title	Journal	Authors	Rejection Reason
14655921	A randomized, double-blind clinical trial comparing continuous positive airway pressure with a novel bilevel pressure system for treatment of obstructive sleep apnea syndrome.	Sleep	Gay PC and Herold DL and Olson EJ	D: Too short f/up
16537862	Equivalence of autoadjusted and constant continuous positive airway pressure in home treatment of sleep apnea.	Chest	Nussbaumer Y and Bloch KE and Genser T and Thurnheer R	D: Too short f/up
29198304	Neurobehavioral Impairment and CPAP Treatment Response in Mild-Moderate Obstructive Sleep Apneas	J Clin Sleep Med	Jackson, M. L. and McEvoy, R. D. and Banks, S. and Barnes, M.	D: Too short f/up
29409064	Randomized Trial of CPAP and Vardenafil on Erectile and Arterial Function in Men With Obstructive Sleep Apnea and Erectile Dysfunction	J Clin Endocrinol Metab	Melehan, K. L. and Hoyos, C. M. and Hamilton, G. S. and Wong, K. K. and Yee, B. J. and McLachlan, R. I. and O'Meagher, S. and Celermajer, D. and Ng, M. K. and Grunstein, R. R. and Liu, P. Y.	D: Too short f/up
31164429	The role of CPAP treatment in elderly patients with moderate obstructive sleep apnoea: a multicentre randomised controlled trial	Eur Respir J	Ponce, S. and Pastor, E. and Orosa, B. and Oscullo, G. and Catalan, P. and Martinez, A. and Hernandez, L. and Muriel, A. and Chiner, E. and Martinez-Garcia, M. A.	D: Too short f/up
9927363	Evidence of the effectiveness of continuous positive airway pressure in the treatment of sleep apnea/hypopnea syndrome.	American journal of respiratory and critical care medicine	Ballester E and Badia JR and Hernandez L and Carrasco E and de Pablo J and Fornas C and Rodriguez-Roisin R and Montserrat JM	D: Too short f/up
11897643	A randomized controlled trial of continuous positive airway pressure in mild obstructive sleep apnea.	American journal of respiratory and critical care medicine	Barnes M and Houston D and Worsnop CJ and Neill AM and Mykytyn IJ and Kay A and Trinder J and Saunders NA and Douglas McEvoy R and Pierce RJ	D: Too short f/up
19011153	Lifestyle intervention with weight reduction: first-line treatment in mild obstructive sleep apnea.	American journal of respiratory and critical care medicine	Tuomilehto HP and Seppa JM and Partinen MM and Peltonen M and Gylling H and Tuomilehto JO and Vanninen EJ and Kokkarinen J and Sahlman JK and Martikainen T and Soini EJ and Randell J and Tukiainen H and Uusitupa M	D: Too short f/up

PubMed ID	Title	Journal	Authors	Rejection Reason
26030264	Oral Appliance Therapy in Patients With Daytime Sleepiness and Snoring or Mild to Moderate Sleep Apnea: A Randomized Clinical Trial	JAMA Intern Med	Marklund, M. and Carlberg, B. and Forsgren, L. and Olsson, T. and Stenlund, H. and Franklin, K. A.	D: Too short f/up
19504550	Radiofrequency surgery of the soft palate in the treatment of mild obstructive sleep apnea is not effective as a single-stage procedure: A randomized single-blinded placebo-controlled trial.	The Laryngoscope	Back LJ and Liukko T and Rantanen I and Peltola JS and Partinen M and Ylikoski J and Makitie AA	D: Too short f/up
25623679	Effect of the continuous positive airway pressure on the nocturnal urine volume or night-time frequency in patients with obstructive sleep apnea syndrome	Urology	Miyauchi, Y. and Okazoe, H. and Okujyo, M. and Inada, F. and Kakehi, T. and Kikuchi, H. and Ichikawa, H. and Arakawa, Y. and Mori, Y. and Kakehi, Y.	D: Too short f/up
26370402	Erectile Dysfunction and Sexual Hormone Levels in Men With Obstructive Sleep Apnea: Efficacy of Continuous Positive Airway Pressure.	Archives of sexual behavior	Zhang XB and Lin QC and Zeng HQ and Jiang XT and Chen B and Chen X	D: Too short f/up
7906330	Effect of continuous positive airway pressure treatment on daytime function in sleep apnoea/hypopnoea syndrome.	Lancet (London, England)	Engleman HM and Martin SE and Deary IJ and Douglas NJ	D: Too short f/up
11593163	A multi-institutional study of radiofrequency volumetric tissue reduction for OSAS.	Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery	Woodson BT and Nelson L and Mickelson S and Huntley T and Sher A	D: Too short f/up
	Adherence to positive airway pressure therapy in U.S. military personnel with sleep apnea improves sleepiness, sleep quality, and depressive symptoms	Military medicine	Mysliwiec, V. and Capaldi, V. F. and Gill, J. and Baxter, T. and O'Reilly, B. M. and Matsangas, P. and Roth, B. J.	D: Too short f/up
20465016	Gender differences in obstructive sleep apnea and treatment	Journal of Clinical Sleep Medicine	Ye, L. and Pien, G. W. and Ratcliffe, S. J. and Weaver, T. E.	D: Too short f/up

PubMed ID	Title	Journal	Authors	Rejection Reason
	response to continuous positive airway pressure			
25029855	[Oral-appliance for erectile dysfunction induced by obstructive sleep apnea-hypopnea syndrome]	Zhonghua Nan Ke Xue	Zhang, T. and Li, J. and Yang, P.	D: Too short f/up
25218696	The effect of nocturnal wear of complete dentures on sleep and oral health related quality of life: study protocol for a randomized controlled trial	Trials	Emami, E. and Nguyen, P. T. and Almeida, F. R. and Feine, J. S. and Karp, I. and Lavigne, G. and Huynh, N.	D: Too short f/up
30014565	Randomized controlled trial of an oral appliance (SomnoDent) for sleep-disordered breathing and cardiac function in patients with heart failure	Clin Cardiol	Matsumoto, H. and Kasai, T. and Suda, S. and Yatsu, S. and Shitara, J. and Murata, A. and Kato, T. and Hiki, M. and Yanagisawa, N. and Fujibayashi, K. and Nojiri, S. and Nishizaki, Y. and Shinohara, M. and Daida, H.	D: Too short f/up
30938064	OSA treatment with CPAP: Randomized crossover study comparing tolerance and efficacy with and without humidification by ThermoSmart	Clinical Respiratory Journal	Boyer, L. and Philippe, C. and Covali-Noroc, A. and Dalloz, M. A. and Rouvel-Tallec, A. and Maillard, D. and Stoica, M. and d'Ortho, M. P.	D: Too short f/up
21805226	Effects of exercise training associated with continuous positive airway pressure treatment in patients with obstructive sleep apnea syndrome.	Sleep & breathing = Schlaf & Atmung	Ackel-D'Elia C and da Silva AC and Silva RS and Truksinas E and Sousa BS and Tufik S and de Mello MT and Bittencourt LR	D: Too short f/up
19940853	Erectile dysfunction in severe sleep apnea patients and response to CPAP	Int J Impot Res	Taskin, U. and Yigit, O. and Acioglu, E. and Aricigil, M. and Toktas, G. and Guzelhan, Y.	D: Too short f/up
20083429	Residual sleep apnea on polysomnography after 3 months of CPAP therapy: clinical implications, predictors and patterns	Sleep Med	Mulgrew, A. T. and Lawati, N. A. and Ayas, N. T. and Fox, N. and Hamilton, P. and Cortes, L. and Ryan, C. F.	D: Too short f/up
20503074	Quality of life, compliance, sleep and nasopharyngeal side effects during CPAP therapy with and without controlled heated humidification	Sleep Breath	Ruhle, K. H. and Franke, K. J. and Domanski, U. and Nilius, G.	D: Too short f/up

PubMed ID	Title	Journal	Authors	Rejection Reason
21874370	Auto bi-level pressure relief-PAP is as effective as CPAP in OSA patients--a pilot study	Sleep Breath	Blau, A. and Minx, M. and Peter, J. G. and Glos, M. and Penzel, T. and Baumann, G. and Fietze, I.	D: Too short f/up
23372270	Flexible positive airway pressure improves treatment adherence compared with auto-adjusting PAP	Sleep	Chihara, Y. and Tsuboi, T. and Hitomi, T. and Azuma, M. and Murase, K. and Toyama, Y. and Harada, Y. and Aihara, K. and Tanizawa, K. and Handa, T. and Yoshimura, C. and Oga, T. and Yamamoto, K. and Mishima, M. and Chin, K.	D: Too short f/up
30427696	The Effect of T'ai Chi and Qigong Training on Patients with Obstructive Sleep Apnea: A Randomized Controlled Study	J Altern Complement Med	Yilmaz Gokmen, G. and Akkoyunlu, M. E. and Kilic, L. and Algun, C.	D: Too short f/up
25771294	Efficacy of sleep position modification to treat positional obstructive sleep apnea	Sleep Med	Jackson, M. and Collins, A. and Berlowitz, D. and Howard, M. and O'Donoghue, F. and Barnes, M.	D: Too short f/up
31053619	Heat-moulded versus custom-made mandibular advancement devices for obstructive sleep apnoea: a randomised non-inferiority trial	Thorax	Pepin, J. L. and Raymond, N. and Lacaze, O. and Aisenberg, N. and Forcioli, J. and Bonte, E. and Bourdin, A. and Launois, S. and Tamisier, R. and Molinari, N.	D: Too short f/up
12684301	Clinical outcomes related to interface type in patients with obstructive sleep apnea/hypopnea syndrome who are using continuous positive airway pressure.	Chest	Massie CA and Hart RW	D: Too short f/up
17564405	Effect of oral appliance therapy on neurobehavioral functioning in obstructive sleep apnea: a randomized controlled trial.	Journal of clinical sleep medicine : JCSM : official publication of the American Academy of Sleep Medicine	Naismith SL and Winter VR and Hickie IB and Cistulli PA	D: Too short f/up
18482111	Mandibular advancement appliance for obstructive sleep apnoea: results of a randomised placebo controlled trial using parallel group design.	Journal of sleep research	Petri N and Svanholt P and Solow B and Wildschiodtz G and Winkel P	D: Too short f/up
15124719	Tongue-muscle training by intraoral electrical neurostimulation in patients with obstructive sleep apnea.	Sleep	Randerath WJ and Galetke W and Domanski U and Weitkunat R and Ruhle KH	D: Too short f/up

PubMed ID	Title	Journal	Authors	Rejection Reason
28046193	Effect of Continuous Positive Airway Pressure Treatment on Depression, Anxiety and Perceived Stress Levels in Patients with Obstructive Sleep Apnea Syndrome	Turk psikiyatri dergisi = Turkish journal of psychiatry	ѵáelik, M. and Sarƒ±kaya, Y. and Acar, M. and Kalenderoƒülu, A. and Doƒüan, S. and Kaskalan, E. and Karata≈ü, M.	D: Too short f/up
23289462	Short-term positive airway pressure therapy response in obstructive sleep apnea patients: Impact of treatment on the quality of life	Tuberkuloz ve Toraks	Yurtlu, ≈û and Sariman, N. and Levent, E. and Soylu, A. C. and Alparslan, S. and Saygi, A.	D: Too short f/up
20204535	Auto bi-level with pressure relief during exhalation as a rescue therapy for optimally treated obstructive sleep apnoea patients with poor compliance to continuous positive airways pressure therapy--a pilot study	Sleep Breath	Gentina, T. and Fortin, F. and Douay, B. and Dernis, J. M. and Herengt, F. and Bout, J. C. and Lamblin, C.	D: Too short f/up
31280400	Factors associated with improvements in subjective symptoms of obstructive sleep apnea syndrome after continuous positive airway pressure therapy	Sleep and Breathing	Otsuka, K. and Fukunaga, K. and WakakoYamasawa and Haraguchi, M. and Tani, T. and Shirahama, R. and Betsuyaku, T.	D: Too short f/up
21536199	Controlled, prospective trial of psychosocial function before and after mandibular advancement splint therapy	Am J Orthod Dentofacial Orthop	Johal, A. and Battagel, J. and Hector, M.	D: Too short f/up
25348244	Auto-adjusting positive airway pressure treatment for sleep apnea diagnosed by home sleep testing	J Clin Sleep Med	Berry, R. B. and Sriram, P.	D: Too short f/up
26364869	A custom-made mandibular repositioning device for obstructive sleep apnoea-hypopnoea syndrome: the ORCADES study	Sleep Med	Vecchierini, M. F. and Attali, V. and Collet, J. M. and d'Ortho, M. P. and El Chater, P. and Kerbrat, J. B. and Leger, D. and Monaca, C. and Monteyrol, P. J. and Morin, L. and Mullens, E. and Pigearias, B. and Meurice, J. C.	D: Too short f/up
27547059	Obstructive sleep apnea syndrome and the quality of life	Clujul Med	Coman, A. C. and Borzan, C. and Vesa, C. S. and Todea, D. A.	D: Too short f/up

PubMed ID	Title	Journal	Authors	Rejection Reason
27707436	Treatment of OSA with CPAP Is Associated with Improvement in PTSD Symptoms among Veterans	J Clin Sleep Med	Orr, J. E. and Smales, C. and Alexander, T. H. and Stepnowsky, C. and Pillar, G. and Malhotra, A. and Sarmiento, K. F.	D: Too short f/up
27810182	Sleep remains disturbed in patients with obstructive sleep apnea treated with positive airway pressure: a three-month cohort study using continuous actigraphy	Sleep Med	Tippin, J. and Aksan, N. and Dawson, J. and Anderson, S. W. and Rizzo, M.	D: Too short f/up
28522078	A randomized, controlled trial of positional therapy versus oral appliance therapy for position-dependent sleep apnea	Sleep Med	Benoist, L. and de Ruiter, M. and de Lange, J. and de Vries, N.	D: Too short f/up
28591236	Predictors of success for mandibular repositioning appliance in obstructive sleep apnea syndrome	Braz Oral Res	Cunha, T. C. A. and Guimaraes, T. M. and Schultz, T. C. B. and Almeida, F. R. and Cunha, T. M. and Simamoto, P. C. J. and Bittencourt, L. R. A.	D: Too short f/up
28927491	Effectiveness of intranasal sodium hyaluronate in mitigating adverse effects of nasal continuous positive airway pressure therapy	Am J Rhinol Allergy	La Mantia, I. and Andaloro, C.	D: Too short f/up
19324954	Titrated mandibular advancement versus positive airway pressure for sleep apnoea.	The European respiratory journal	Gagnadoux F and Fleury B and Vielle B and Petelle B and Meslier N and N'Guyen XL and Trzepizur W and Racineux JL	D: Too short f/up
19478475	Utility indices in patients with the obstructive sleep apnea syndrome	Respiration	Schmidlin, M. and Fritsch, K. and Matthews, F. and Thurnheer, R. and Senn, O. and Bloch, K. E.	D: Too short f/up
23163500	Treatment of obstructive sleep apnoea as a therapeutic modality for associated erectile dysfunction	Int J Clin Pract	Khafagy, A. H.	D: Too short f/up
30685849	Benefit of continuous positive airway pressure on work quality in patients with severe obstructive sleep apnea	Sleep Breath	Botokeky, E. and Freymond, N. and Gormand, F. and Le Cam, P. and Chatte, G. and Kuntz, J. and Liegeon, M. N. and Gaillot-Drevon, M. and Massardier-Pilonchery, A. and Fiquemont, A. and Fort, E. and Marcu, M. and Petitjean, T. and Charbotel, B.	D: Too short f/up
18922335	Palate implants for obstructive sleep apnea: multi-institution,	Otolaryngology--head and neck surgery : official journal of	Steward DL and Huntley TC and Woodson BT and Surdulescu V	D: Too short f/up

PubMed ID	Title	Journal	Authors	Rejection Reason
	randomized, placebo-controlled study.	American Academy of Otolaryngology-Head and Neck Surgery		
27373039	Effect of CPAP therapy on sleep quality and quality of life in patients with moderate or severe OSAHS	Lin chuang er bi yan hou tou jing wai ke za zhi = Journal of clinical otorhinolaryngology, head, and neck surgery	Wang, Y. and He, P. and Teng, B. and Tong, W. and Wen, L. and Feng, Q. and Chen, J. and Huang, D.	D: Too short f/up
29724113	Impact of Positive Pressure Treatment of the Airway on Health-Related Quality of Life in Elderly Patients With Obstructive Sleep Apnea	Biol Res Nurs	Serrano Merino, J. and Perula de Torres, L. A. and Bardwell, W. A. and Munoz Gomez, R. and Roldan Villalobos, A. and Feu Collado, N. and Ruiz-Moral, R. and Jurado-Gamez, B.	D: Too short f/up
24282113	Factors influencing the response of psychological symptoms to continuous positive airway pressure therapy	Sleep Breath	Carissimi, A. and Martinez, D. and Kim, L. J. and Fiori, C. Z.	D: Too short f/up
25359435	Clinical effectiveness and cost-effectiveness results from the randomised controlled Trial of Oral Mandibular Advancement Devices for Obstructive sleep apnoea-hypopnoea (TOMADO) and long-term economic analysis of oral devices and continuous positive airway pressure	Health Technol Assess	Sharples, L. and Glover, M. and Clutterbuck-James, A. and Bennett, M. and Jordan, J. and Chadwick, R. and Pittman, M. and East, C. and Cameron, M. and Davies, M. and Oscroft, N. and Smith, I. and Morrell, M. and Fox-Rushby, J. and Quinnell, T.	D: Too short f/up
9358398			Jenkinson	D: Too short f/up
9925072			D'Ambrosio	D: Too short f/up
	NightBalance Sleep Position Treatment Device Versus Auto-Adjusting Positive Airway Pressure for Treatment of Positional Obstructive Sleep Apnea		Berry RB, Uhles ML, Abaluck BK, et al.	D: Too short f/up
	Evaluation of a Trial Period With a Sleep Position Trainer in Patients With Positional Sleep Apnea		Beyers J, Dieltjens M, Kastoer C, et al.	D: Too short f/up
	Sleep Position Trainer versus Tennis Ball Technique in Positional Obstructive Sleep Apnea Syndrome			D: Too short f/up
	Comparison of Positional Therapy to CPAP in Patients with Positional Obstructive Sleep Apnea		Permut I, Diaz-Abad M, Chatila W, Crocetti J, Gaughan JP, D'Alonzo GE, Krachman SL	D: Too short f/up
abstract	Effect of continuous positive airway pressure on the incidence of nonfatal cardiovascular events	American Journal of Respiratory and Critical Care Medicine	Catalan-Serra, P. and Martinez-Garcia, M. A. and Campos-Rodriguez, F. and Soler-Cataluna, J. and Montserrat, J. M. and Roman-Sanchez, P. and De La Cruz, I.	Duplicate (no unique data)

PubMed ID	Title	Journal	Authors	Rejection Reason
	in elderly with obstructive sleep apnea			
abstract	Impact of cpap treatment on depression in patients with coronary artery disease and nonsleepy obstructive sleep apnea: the riccadsa randomized controlled trial	American journal of respiratory and critical care medicine	Peker, Y. and Balcan, B. and Thunstrom, E.	Duplicate (no unique data)
30628127	Determinants of depressive mood in coronary artery disease patients with obstructive sleep apnea and response to continuous positive airway pressure treatment in non-sleepy and sleepy phenotypes in the RICCADSA cohort	J Sleep Res	Balcan B, Thunström E, Strollo PJ Jr, Peker Y	Duplicate (no unique data)
26993090	Cost-effectiveness of Continuous Positive Airway Pressure Treatment in Moderate-Severe Obstructive Sleep Apnea Syndrome	Arch Bronconeumol	Catala, R. and Villoro, R. and Merino, M. and Sangenis, S. and Colomes, L. and Hernandez Flix, S. and Perez de Llano, L. A.	Exp: KQ 1: No AHI change data
10807830	Effects of augmented continuous positive airway pressure education and support on compliance and outcome in a Chinese population.	Chest	Hui DS and Chan JK and Choy DK and Ko FW and Li TS and Leung RC and Lai CK	Exp: KQ 1: No AHI change data
29424037	Severity of OSAS, CPAP and cardiovascular events: A follow-up study	European Journal of Clinical Investigation	Baratta, F. and Pastori, D. and Fabiani, M. and Fabiani, V. and Ceci, F. and Lillo, R. and Lolli, V. and Brunori, M. and Pannitteri, G. and Cravotto, E. and De Vito, C. and Angelico, F. and Del Ben, M.	Exp: KQ 1: No AHI change data
26633747	Effect of continuous positive airway pressure on nocturnal urine production in patients with obstructive sleep apnea syndrome	Neurourology and Urodynamics	Miyazato, M. and Tohyama, K. and Touyama, M. and Nakamura, H. and Oshiro, T. and Ueda, S. and Saito, S.	Exp: KQ 1: No AHI change data
21471093	Noninferiority of functional outcome in ambulatory management of obstructive sleep apnea	American Journal of Respiratory and Critical Care Medicine	Kuna, S. T. and Gurubhagavatula, I. and Maislin, G. and Hin, S. and Hartwig, K. C. and McCloskey, S. and Hachadoorian, R. and Hurley, S. and Gupta, R. and Staley, B. and Atwood, C. W.	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
31252205	Morbidity and mortality in patients with cardiovascular risk factors and obstructive sleep apnoea: results from the DIAST-CHF cohort	Respiratory Medicine	Haarmann, H. and Koch, J. and Bonsch, N. and Mende, M. and Werhahn, S. M. and LvºErs, C. and Stahrenberg, R. and Edelmann, F. and Holzendorf, V. and von Haehling, S. and Pieske, B. and Andreas, S. and LvºThje, L. and Wachter, R.	Exp: KQ 1: No AHI change data
28179438	Management of continuous positive airway pressure treatment compliance using telemonitoring in obstructive sleep apnoea	European Respiratory Journal	Turino, C. and De Batlle, J. and Woehrle, H. and Mayoral, A. and Castro-Grattoni, A. L. and GV≥mez, S. and Dalmases, M. and SV°nchez-De-La-Torre, M. and BarbV©, F.	Exp: KQ 1: No AHI change data
23888171	Risk of new-onset atrial fibrillation in elderly patients with the overlap syndrome: a retrospective cohort study	J Geriatr Cardiol	Ganga, H. V. and Nair, S. U. and Puppala, V. K. and Miller, W. L.	Exp: KQ 1: No AHI change data
25927872	Severity of OSA is an independent predictor of incident atrial fibrillation hospitalization in a large sleep-clinic cohort	Chest	Cadby, G. and McArdle, N. and Briffa, T. and Hillman, D. R. and Simpson, L. and Knuiman, M. and Hung, J.	Exp: KQ 1: No AHI change data
26316620	Sex-Specific Association of Sleep Apnea Severity With Subclinical Myocardial Injury, Ventricular Hypertrophy, and Heart Failure Risk in a Community-Dwelling Cohort: The Atherosclerosis Risk in Communities-Sleep Heart Health Study	Circulation	Roca, G. Q. and Redline, S. and Claggett, B. and Bello, N. and Ballantyne, C. M. and Solomon, S. D. and Shah, A. M.	Exp: KQ 1: No AHI change data
24360982	Sleep and risk for high blood pressure and hypertension in midlife women: the SWAN (Study of Women's Health Across the Nation) Sleep Study	Sleep Med	Matthews, K. A. and Chang, Y. and Kravitz, H. M. and Bromberger, J. T. and Owens, J. F. and Buysse, D. J. and Hall, M. H.	Exp: KQ 1: No AHI change data
23946706	Impact of CPAP use and age on mortality in patients with combined COPD and obstructive sleep apnea: the overlap syndrome	J Clin Sleep Med	Stanchina, M. L. and Welicky, L. M. and Donat, W. and Lee, D. and Corrao, W. and Malhotra, A.	Exp: KQ 1: No AHI change data
24701193	Effects of obstructive sleep apnea on cardiac function and clinical outcomes in Chinese	ScientificWorldJournal	Liu, B. and Guo, R. and Zhou, S. and Xie, S. and Wang, K. and Xu, Y.	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
	patients with ST-elevation myocardial infarction			
24796286	Prognostic implication of obstructive sleep apnea diagnosed by post-discharge sleep study in patients presenting with acute coronary syndrome	Sleep Med	Loo, G. and Tan, A. Y. and Koo, C. Y. and Tai, B. C. and Richards, M. and Lee, C. H.	Exp: KQ 1: No AHI change data
24910546	Impact of CPAP on activity patterns and diet in patients with obstructive sleep apnea (OSA)	J Clin Sleep Med	Batool-Anwar, S. and Goodwin, J. L. and Drescher, A. A. and Baldwin, C. M. and Simon, R. D. and Smith, T. W. and Quan, S. F.	Exp: KQ 1: No AHI change data
24932142	The effect of continuous positive air pressure (CPAP) on nightmares in patients with posttraumatic stress disorder (PTSD) and obstructive sleep apnea (OSA)	J Clin Sleep Med	Tamanna, S. and Parker, J. D. and Lyons, J. and Ullah, M. I.	Exp: KQ 1: No AHI change data
24993911	Intensive versus standard follow-up to improve continuous positive airway pressure compliance	Eur Respir J	Bouloukaki, I. and Giannadaki, K. and Mermigkis, C. and Tzanakis, N. and Mauroudi, E. and Moniaki, V. and Michelakis, S. and Siafakas, N. M. and Schiza, S. E.	Exp: KQ 1: No AHI change data
25028171	Obstructive sleep apnea should be treated in patients with idiopathic pulmonary fibrosis	Sleep Breath	Mermigkis, C. and Bouloukaki, I. and Antoniou, K. and Papadogiannis, G. and Giannarakis, I. and Varouchakis, G. and Siafakas, N. and Schiza, S. E.	Exp: KQ 1: No AHI change data
25325480	Sleep breathing disorders and cognitive function in the elderly: an 8-year follow-up study. the proof-synapse cohort	Sleep	Martin, M. S. and Sforza, E. and Roche, F. and Barthelemy, J. C. and Thomas-Anterion, C.	Exp: KQ 1: No AHI change data
25325491	Psychometric performance and responsiveness of the functional outcomes of sleep questionnaire and sleep apnea quality of life instrument in a randomized trial: the HomePAP study	Sleep	Billings, M. E. and Rosen, C. L. and Auckley, D. and Benca, R. and Foldvary-Schaefer, N. and Iber, C. and Zee, P. C. and Redline, S. and Kapur, V. K.	Exp: KQ 1: No AHI change data
25325505	Quality-adjusted life-years gain and health status in patients with OSAS after one year of continuous positive airway pressure use	Sleep	Rizzi, C. F. and Ferraz, M. B. and Poyares, D. and Tufik, S.	Exp: KQ 1: No AHI change data
25364081	CPAP treatment supported by telemedicine does not improve	Sleep	Mendelson, M. and Vivodtzev, I. and Tamisier, R. and Laplaud, D. and Dias-Domingos, S. and Baguet, J. P. and	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
	blood pressure in high cardiovascular risk OSA patients: a randomized, controlled trial		Moreau, L. and Koltes, C. and Chavez, L. and De Lamberterie, G. and Herengt, F. and Levy, P. and Flore, P. and Pepin, J. L.	
25376169	Sleep-disordered breathing and functional decline in older women	J Am Geriatr Soc	Spira, A. P. and Stone, K. L. and Rebok, G. W. and Punjabi, N. M. and Redline, S. and Ancoli-Israel, S. and Yaffe, K.	Exp: KQ 1: No AHI change data
25766689	Role of primary care in the follow-up of patients with obstructive sleep apnoea undergoing CPAP treatment: a randomised controlled trial	Thorax	Sanchez-de-la-Torre, M. and Nadal, N. and Cortijo, A. and Masa, J. F. and Duran-Cantolla, J. and Valls, J. and Serra, S. and Sanchez-de-la-Torre, A. and Gracia, M. and Ferrer, F. and Lorente, I. and Urgeles, M. C. and Alonso, T. and Fuentes, A. and Armengol, F. and Lumbierres, M. and Vazquez-Polo, F. J. and Barbe, F.	Exp: KQ 1: No AHI change data
25834546	Obstructive sleep apnea syndrome and erectile dysfunction: does long term continuous positive airway pressure therapy improve erections?	Afr Health Sci	Husnu, T. and Ersoz, A. and Bulent, E. and Tacettin, O. and Remzi, A. and Bulent, A. and Aydin, M.	Exp: KQ 1: No AHI change data
25957615	Effect of APAP and heated humidification with a heated breathing tube on adherence, quality of life, and nasopharyngeal complaints	Sleep Breath	Nilius, G. and Franke, K. J. and Domanski, U. and Schroeder, M. and Ruhle, K. H.	Exp: KQ 1: No AHI change data
25965712	Impact of obstructive sleep apnea and continuous positive airway pressure therapy on outcomes in patients with atrial fibrillation-Results from the Outcomes Registry for Better Informed Treatment of Atrial Fibrillation (ORBIT-AF)	Am Heart J	Holmqvist, F. and Guan, N. and Zhu, Z. and Kowey, P. R. and Allen, L. A. and Fonarow, G. C. and Hylek, E. M. and Mahaffey, K. W. and Freeman, J. V. and Chang, P. and Holmes, D. N. and Peterson, E. D. and Piccini, J. P. and Gersh, B. J.	Exp: KQ 1: No AHI change data
26021726	Effect of obstructive sleep apnea diagnosis on health related quality of life	Health Qual Life Outcomes	Isidoro, S. I. and Salvaggio, A. and Lo Bue, A. and Romano, S. and Marrone, O. and Insalaco, G.	Exp: KQ 1: No AHI change data
26265560	A pathway underlying the impact of CPAP adherence on intimate relationship with bed partner in men with obstructive sleep apnea	Sleep Breath	Lai, A. Y. and Ip, M. S. and Lam, J. C. and Weaver, T. E. and Fong, D. Y.	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
26363577	Self-reported obstructive sleep apnea, simple snoring, and various markers of sleep-disordered breathing as predictors of cardiovascular risk	Sleep Breath	Niiranen, T. J. and Kronholm, E. and Rissanen, H. and Partinen, M. and Jula, A. M.	Exp: KQ 1: No AHI change data
26446113	Obstructive Sleep Apnea and 15-Year Cognitive Decline: The Atherosclerosis Risk in Communities (ARIC) Study	Sleep	Lutsey, P. L. and Bengtson, L. G. and Punjabi, N. M. and Shahar, E. and Mosley, T. H. and Gottesman, R. F. and Wruck, L. M. and MacLehose, R. F. and Alonso, A.	Exp: KQ 1: No AHI change data
26446115	Remote Ambulatory Management of Veterans with Obstructive Sleep Apnea	Sleep	Fields, B. G. and Behari, P. P. and McCloskey, S. and True, G. and Richardson, D. and Thomasson, A. and Korom-Djakovic, D. and Davies, K. and Kuna, S. T.	Exp: KQ 1: No AHI change data
26610430	Increased sexual desire with exogenous testosterone administration in men with obstructive sleep apnea: a randomized placebo-controlled study	Andrology	Melehan, K. L. and Hoyos, C. M. and Yee, B. J. and Wong, K. K. and Buchanan, P. R. and Grunstein, R. R. and Liu, P. Y.	Exp: KQ 1: No AHI change data
26743325	The Cognitive Effects of Obstructive Sleep Apnea: An Updated Meta-analysis	Arch Clin Neuropsychol	Stranks, E. K. and Crowe, S. F.	Exp: KQ 1: No AHI change data
26847976	Sleep disorders increase risk of subsequent erectile dysfunction in individuals without sleep apnea: a nationwide population-base cohort study	Sleep Med	Chen, K. F. and Liang, S. J. and Lin, C. L. and Liao, W. C. and Kao, C. H.	Exp: KQ 1: No AHI change data
26857162	Effect of Obstructive Sleep Apnea in Acute Coronary Syndrome	Am J Cardiol	Leao, S. and Conde, B. and Fontes, P. and Calvo, T. and Afonso, A. and Moreira, I.	Exp: KQ 1: No AHI change data
27143032	The relative association of obstructive sleep apnea, obesity and excessive daytime sleepiness with incident depression: a longitudinal, population-based study	Int J Obes (Lond)	LaGrotte, C. and Fernandez-Mendoza, J. and Calhoun, S. L. and Liao, D. and Bixler, E. O. and Vgontzas, A. N.	Exp: KQ 1: No AHI change data
27250815	Pain Intensity and Opioid Utilization in Response to CPAP Therapy in Veterans with Obstructive Sleep Apnea on Chronic Opioid Treatment	J Clin Sleep Med	Jaoude, P. and Lal, A. and Vermont, L. and Porhomayon, J. and El-Solh, A. A.	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
27307401	Impact of Sleep-Disordered Breathing on Long-Term Outcomes in Patients With Acute Coronary Syndrome Who Have Undergone Primary Percutaneous Coronary Intervention	J Am Heart Assoc	Mazaki, T. and Kasai, T. and Yokoi, H. and Kuramitsu, S. and Yamaji, K. and Morinaga, T. and Masuda, H. and Shirai, S. and Ando, K.	Exp: KQ 1: No AHI change data
27380033	Simple obstructive sleep apnea patients without hypertension or diabetes accelerate kidney dysfunction: a population follow-up cohort study from Taiwan	Sleep Breath	Lin, Y. S. and Liu, P. H. and Lin, S. W. and Chuang, L. P. and Ho, W. J. and Chou, Y. T. and Juan, K. C. and Lo, M. T. and Chu, P. H. and Chen, N. H.	Exp: KQ 1: No AHI change data
27464791	Nocturnal Hypoxemia Due to Obstructive Sleep Apnea Is an Independent Predictor of Poor Prognosis After Myocardial Infarction	J Am Heart Assoc	Xie, J. and Sert Kuniyoshi, F. H. and Covassin, N. and Singh, P. and Gami, A. S. and Wang, S. and Chahal, C. A. and Wei, Y. and Somers, V. K.	Exp: KQ 1: No AHI change data
27477030	Usefulness of overnight pulse oximeter as the sleep assessment tool to assess the 6-year risk of road traffic collision: evidence from the Taiwan Bus Driver Cohort Study	Int J Epidemiol	Wu, W. T. and Tsai, S. S. and Liao, H. Y. and Lin, Y. J. and Lin, M. H. and Wu, T. N. and Shih, T. S. and Liou, S. H.	Exp: KQ 1: No AHI change data
27568910	Impact of Sleep-Disordered Breathing Treatment on Patient Reported Outcomes in a Clinic-Based Cohort of Hypertensive Patients	J Clin Sleep Med	Walia, H. K. and Griffith, S. D. and Thompson, N. R. and Moul, D. E. and Foldvary-Schaefer, N. and Mehra, R.	Exp: KQ 1: No AHI change data
27631236	Bidirectional association between obstructive sleep apnea and depression: A population-based longitudinal study	Medicine (Baltimore)	Pan, M. L. and Tsao, H. M. and Hsu, C. C. and Wu, K. M. and Hsu, T. S. and Wu, Y. T. and Hu, G. C.	Exp: KQ 1: No AHI change data
27810258	Obstructive sleep apnea and incident type 2 diabetes	Sleep Med	Nagayoshi, M. and Punjabi, N. M. and Selvin, E. and Pankow, J. S. and Shahar, E. and Iso, H. and Folsom, A. R. and Lutsey, P. L.	Exp: KQ 1: No AHI change data
28007359	Neurocognitive function in patients with residual excessive sleepiness from obstructive sleep apnea: a prospective, controlled study	Sleep Med	Werli, K. S. and Otuyama, L. J. and Bertolucci, P. H. and Rizzi, C. F. and Guilleminault, C. and Tufik, S. and Poyares, D.	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
28081532	Cardiovascular Events in Moderately to Severely Obese Obstructive Sleep Apnea Patients on Positive Airway Pressure Therapy	Respiration	Marotta, A. M. and Borel, J. C. and Galerneau, L. M. and Tamisier, R. and Bonsignore, M. R. and Pepin, J. L.	Exp: KQ 1: No AHI change data
27284240	Obstructive sleep apnea affects the clinical outcomes of patients undergoing percutaneous coronary intervention.	Patient preference and adherence	Zhang JJ and Gao XF and Ge Z and Jiang XM and Xiao PX and Tian NL and Kan J and Lee CH and Chen SL	Exp: KQ 1: No AHI change data
28114683	Physician Decision Making and Clinical Outcomes With Laboratory Polysomnography or Limited-Channel Sleep Studies for Obstructive Sleep Apnea: A Randomized Trial	Ann Intern Med	Chai-Coetzer, C. L. and Antic, N. A. and Hamilton, G. S. and McArdle, N. and Wong, K. and Yee, B. J. and Yeo, A. and Ratnavadivel, R. and Naughton, M. T. and Roebuck, T. and Woodman, R. and McEvoy, R. D.	Exp: KQ 1: No AHI change data
28146212	Impact of High Risk for Obstructive Sleep Apnea on Survival after Acute Coronary Syndrome: Insights from the ERICO Registry	Arq Bras Cardiol	Maia, F. C. and Goulart, A. C. and Drager, L. F. and Staniak, H. L. and Santos, I. S. and Lotufo, P. A. and Bensenor, I. M.	Exp: KQ 1: No AHI change data
28300571	Sleep Apnea and Hypertension: Are There Sex Differences? The Vitoria Sleep Cohort	Chest	Cano-Pumarega, I. and Barbe, F. and Esteban, A. and Martinez-Alonso, M. and Egea, C. and Duran-Cantolla, J.	Exp: KQ 1: No AHI change data
28374832	A randomized controlled trial of an ambulatory approach versus the hospital-based approach in managing suspected obstructive sleep apnea syndrome	Sci Rep	Hui, D. S. and Ng, S. S. and To, K. W. and Ko, F. W. and Ngai, J. and Chan, K. K. and Yip, W. H. and Chan, T. O. and Yiu, K. and Tam, W. W.	Exp: KQ 1: No AHI change data
28386781	Diagnosing and managing sleep apnea in patients with chronic cerebrovascular disease: a randomized trial of a home-based strategy	Sleep Breath	Bravata, D. M. and McClain, V. and Austin, C. and Ferguson, J. and Burrus, N. and Miech, E. J. and Matthias, M. S. and Chumbler, N. and Ofner, S. and Foresman, B. and Sico, J. and Vaz Fragoso, C. A. and Williams, L. S. and Agarwal, R. and Concato, J. and Klar Yaggi, H.	Exp: KQ 1: No AHI change data
28389911	The effects of integrated nursing education on quality of life and health-related outcomes among obstructive sleep apnea patients receiving continuous positive airway pressure therapy	Sleep Breath	Hu, S. T. and Yu, C. C. and Liu, C. Y. and Tsao, L. I.	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
28629298	Anxiety and depression are improved by continuous positive airway pressure treatments in obstructive sleep apnea	Int J Psychiatry Med	Li, Y. Y. and Mazarakis, T. and Shen, Y. C. and Yang, M. C. and Chang, E. T. and Wang, H. M.	Exp: KQ 1: No AHI change data
28859723	Improving PTSD Symptoms and Preventing Progression of Subclinical PTSD to an Overt Disorder by Treating Comorbid OSA With CPAP	J Clin Sleep Med	Ullah, M. I. and Campbell, D. G. and Bhagat, R. and Lyons, J. A. and Tamanna, S.	Exp: KQ 1: No AHI change data
28865067	Predictors of CPAP compliance in different clinical settings: primary care versus sleep unit	Sleep Breath	Nadal, N. and de Batlle, J. and Barbe, F. and Marsal, J. R. and Sanchez-de-la-Torre, A. and Tarraubella, N. and Lavega, M. and Sanchez-de-la-Torre, M.	Exp: KQ 1: No AHI change data
28905231	Sleep-disordered breathing and the risk of cognitive decline: a meta-analysis of 19,940 participants	Sleep Breath	Zhu, X. and Zhao, Y.	Exp: KQ 1: No AHI change data
28935698	Polysomnographic phenotypes and their cardiovascular implications in obstructive sleep apnoea	Thorax	Zinchuk, A. V. and Jeon, S. and Koo, B. B. and Yan, X. and Bravata, D. M. and Qin, L. and Selim, B. J. and Strohl, K. P. and Redeker, N. S. and Concato, J. and Yaggi, H. K.	Exp: KQ 1: No AHI change data
20083429	Residual sleep apnea on polysomnography after 3 months of CPAP therapy: clinical implications, predictors and patterns.	Sleep medicine	Mulgrew AT and Lawati NA and Ayas NT and Fox N and Hamilton P and Cortes L and Ryan CF	Exp: KQ 1: No AHI change data
19643262	Upper airway reconstructive surgery long-term quality-of-life outcomes compared with CPAP for adult obstructive sleep apnea.	Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery	Robinson S and Chia M and Carney AS and Chawla S and Harris P and Esterman A	Exp: KQ 1: No AHI change data
19961025	Effects of heated humidification and topical steroids on compliance, nasal symptoms, and quality of life in patients with obstructive sleep apnea syndrome using nasal continuous positive airway pressure.	Journal of clinical sleep medicine : JCSM : official publication of the American Academy of Sleep Medicine	Ryan S and Doherty LS and Nolan GM and McNicholas WT	Exp: KQ 1: No AHI change data
24390072	Adjustment of apnea-hypopnea index with severity of obstruction events enhances detection of	Sleep Breath	Muraja-Murro, A. and Kulkas, A. and Hiltunen, M. and Kupari, S. and Hukkanen, T. and Tiihonen, P. and Mervaala, E. and Toyras, J.	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
	sleep apnea patients with the highest risk of severe health consequences			
29581977	Association between Sleep Apnea Hypopnea Syndrome and the Risk of Atrial Fibrillation: A Meta-Analysis of Cohort Study	Biomed Res Int	Zhao, E. and Chen, S. and Du, Y. and Zhang, Y.	Exp: KQ 1: No AHI change data
31513273	Association of Obstructive Sleep Apnea With the Risk of Affective Disorders	JAMA Otolaryngol Head Neck Surg	Kim, J. Y. and Ko, I. and Kim, D. K.	Exp: KQ 1: No AHI change data
25803785	Associations between sleep-disordered breathing, nocturnal hypoxemia, and subsequent cognitive decline in older community-dwelling men: the Osteoporotic Fractures in Men Sleep Study	J Am Geriatr Soc	Blackwell, T. and Yaffe, K. and Laffan, A. and Redline, S. and Ancoli-Israel, S. and Ensrud, K. E. and Song, Y. and Stone, K. L.	Exp: KQ 1: No AHI change data
25796967	Attention deficits detected in cognitive tests differentiate between sleep apnea patients with or without a motor vehicle accident	Sleep Medicine	Karimi, M. and Hedner, J. and Zou, D. and Eskandari, D. and Lundquist, A. C. and Grote, L.	Exp: KQ 1: No AHI change data
abstract	Morbidity and mortality of chronic heart failure (CHF) patients with sleep apnoea (SA) treated by adaptive servo-ventilation (ASV): Interim results of FACE cohort study UPDATE	Archives of Cardiovascular Diseases Supplements	Damy, T. and Tamisier, R. and Pepin, J. L. and Levy, P. and Morin, L. and Lavergne, F. and D'Ortho M, P. and Davy, J.	Exp: KQ 1: No AHI change data
25367548	Morbidity and mortality risk ratios are elevated in severe supine dominant OSA: a long-term follow-up study	Sleep Breath	Kulkas, A. and Muraja-Murro, A. and Tiihonen, P. and Mervaala, E. and Toyras, J.	Exp: KQ 1: No AHI change data
28668820	Obstructive and Central Sleep Apnea and the Risk of Incident Atrial Fibrillation in a Community Cohort of Men and Women	J Am Heart Assoc	Tung, P. and Levitzky, Y. S. and Wang, R. and Weng, J. and Quan, S. F. and Gottlieb, D. J. and Rueschman, M. and Punjabi, N. M. and Mehra, R. and Bertisch, S. and Benjamin, E. J. and Redline, S.	Exp: KQ 1: No AHI change data
23601803	Obstructive sleep apnea and increased risk of glaucoma: a population-based matched-cohort study	Ophthalmology	Lin, C. C. and Hu, C. C. and Ho, J. D. and Chiu, H. W. and Lin, H. C.	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
29469928	Obstructive Sleep Apnea and Neurocognitive Dysfunction in Edentulous Patients	J Prosthodont	Bagchi, S. and Tripathi, A. and Tripathi, S. and Kar, S. and Tiwari, S. C. and Singh, J.	Exp: KQ 1: No AHI change data
23484461	Obstructive sleep apnea representations, self-efficacy and family coping regarding APAP adherence: a longitudinal study	Psychol Health Med	Sampaio, R. and Graca Pereira, M. and Winck, J. C.	Exp: KQ 1: No AHI change data
24591276	Sleep apnea and risk of pneumonia: a nationwide population-based study	Cmaj	Su, V. Y. and Liu, C. J. and Wang, H. K. and Wu, L. A. and Chang, S. C. and Perng, D. W. and Su, W. J. and Chen, Y. M. and Lin, E. Y. and Chen, T. J. and Chou, K. T.	Exp: KQ 1: No AHI change data
30243978	Sleep Apnea Increases the Risk of New Hospitalized Atrial Fibrillation: A Historical Cohort Study	Chest	Kendzerska, T. and Gershon, A. S. and Atzema, C. and Dorian, P. and Mangat, I. and Hawker, G. and Leung, R. S.	Exp: KQ 1: No AHI change data
29554902	Sleep deficiency and motor vehicle crash risk in the general population: a prospective cohort study	BMC Med	Gottlieb, D. J. and Ellenbogen, J. M. and Bianchi, M. T. and Czeisler, C. A.	Exp: KQ 1: No AHI change data
26943468	Sleep Disordered Breathing and Risk of Stroke in Older Community-Dwelling Men	Sleep	Stone, K. L. and Blackwell, T. L. and Ancoli-Israel, S. and Barrett-Connor, E. and Bauer, D. C. and Cauley, J. A. and Ensrud, K. E. and Hoffman, A. R. and Mehra, R. and Stefanick, M. L. and Varosy, P. D. and Yaffe, K. and Redline, S.	Exp: KQ 1: No AHI change data
24428306	Sleep disturbances and risk of falls in older community-dwelling men: the outcomes of Sleep Disorders in Older Men (MrOS Sleep) Study	J Am Geriatr Soc	Stone, K. L. and Blackwell, T. L. and Ancoli-Israel, S. and Cauley, J. A. and Redline, S. and Marshall, L. M. and Ensrud, K. E.	Exp: KQ 1: No AHI change data
26260848	The effect of CPAP therapy on insulin-like growth factor and cognitive functions in obstructive sleep apnea patients	Clin Respir J	Kanbay, A. and Demir, N. C. and Tutar, N. and Kostek, O. and Ozer Simsek, Z. and Buyukoglan, H. and Demir, R. and Parrino, L.	Exp: KQ 1: No AHI change data
24810282	The efficacy of a brief motivational enhancement education program on CPAP adherence in OSA: a randomized controlled trial	Chest	Lai, A. Y. K. and Fong, D. Y. T. and Lam, J. C. M. and Weaver, T. E. and Ip, M. S. M.	Exp: KQ 1: No AHI change data
30093261	The relationships between improvements in daytime sleepiness, fatigue and	Sleep Med	Bhat, S. and Gupta, D. and Akel, O. and Polos, P. G. and DeBari, V. A. and Akhtar, S. and McIntyre, A. and Ming, S. X. and Upadhyay, H. and Chokroverty, S.	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
	depression and psychomotor vigilance task testing with CPAP use in patients with obstructive sleep apnea			
20686860	Visual analogical well-being scale for sleep apnea patients: Validity and responsiveness	Sleep and Breathing	Masa, J. F. and Jimv©nez, A. and Durv°n, J. and Carmona, C. and Monasterio, C. and Mayos, M. and Terv°n, J. and Barbv©, F. and Rubio, M. and Failde, I. and Mota, M. and Montserrat, J. M.	Exp: KQ 1: No AHI change data
20175411	Randomized controlled trial of variable-pressure versus fixed-pressure continuous positive airway pressure (CPAP) treatment for patients with obstructive sleep apnea/hypopnea syndrome (OSAHS)	Sleep	Vennelle, M. and White, S. and Riha, R. L. and Mackay, T. W. and Engleman, H. M. and Douglas, N. J.	Exp: KQ 1: No AHI change data
20411690	Empiric auto-titrating CPAP in people with suspected obstructive sleep apnea	J Clin Sleep Med	Drummond, F. and Doelken, P. and Ahmed, Q. A. and Gilbert, G. E. and Strange, C. and Herpel, L. and Frye, M. D.	Exp: KQ 1: No AHI change data
20572413	Outcome of CPAP treatment on intimate and sexual relationships in men with obstructive sleep apnea	J Clin Sleep Med	Reishtein, J. L. and Maislin, G. and Weaver, T. E.	Exp: KQ 1: No AHI change data
20625114	Prospective study of obstructive sleep apnea and incident coronary heart disease and heart failure: the sleep heart health study	Circulation	Gottlieb, D. J. and Yenokyan, G. and Newman, A. B. and O'Connor, G. T. and Punjabi, N. M. and Quan, S. F. and Redline, S. and Resnick, H. E. and Tong, E. K. and Diener-West, M. and Shahar, E.	Exp: KQ 1: No AHI change data
20719563	Does CPAP treatment in mild obstructive sleep apnea affect blood pressure?	Sleep Med	Jaimchariyatam, N. and Rodriguez, C. L. and Budur, K.	Exp: KQ 1: No AHI change data
20735887	Executive function in patients with obstructive sleep apnea treated with continuous positive airway pressure	J Int Neuropsychol Soc	Lau, E. Y. and Eskes, G. A. and Morrison, D. L. and Rajda, M. and Spurr, K. F.	Exp: KQ 1: No AHI change data
20880872	A telemedicine intervention to improve adherence to continuous positive airway pressure: a randomised controlled trial	Thorax	Sparrow, D. and Aloia, M. and Demolles, D. A. and Gottlieb, D. J.	Exp: KQ 1: No AHI change data

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21220756	Sleep-disordered breathing predicts cardiovascular events and mortality in hemodialysis patients	Nephrol Dial Transplant	Masuda, T. and Murata, M. and Honma, S. and Iwazu, Y. and Sasaki, N. and Ogura, M. and Onishi, A. and Ando, Y. and Muto, S. and Shimada, K. and Kario, K. and Kusano, E. and Asano, Y.	Exp: KQ 1: No AHI change data
21358601	Prognosis and cardiovascular morbidity and mortality in prospective study of hypertensive patients with obstructive sleep apnea syndrome in St Petersburg, Russia	Med Sci Monit	Korostovtseva, L. S. and Sviryaev, Y. V. and Zvartau, N. E. and Konradi, A. O. and Kalinkin, A. L.	Exp: KQ 1: No AHI change data
21372549	Long-term therapy with continuous positive airway pressure in obstructive sleep apnea: adherence, side effects and predictors of withdrawal - a 'real-life' study	Respiration	Galetke, W. and Puzzo, L. and Priegnitz, C. and Anduleit, N. and Randerath, W. J.	Exp: KQ 1: No AHI change data
21461321	Sleep disordered breathing with excessive daytime sleepiness is a risk factor for mortality in older adults	Sleep	Gooneratne, N. S. and Richards, K. C. and Joffe, M. and Lam, R. W. and Pack, F. and Staley, B. and Dinges, D. F. and Pack, A. I.	Exp: KQ 1: No AHI change data
21724460	Sleep disordered breathing in community dwelling elderly: associations with cardiovascular disease, impaired systolic function, and mortality after a six-year follow-up	Sleep Med	Johansson, P. and Alehagen, U. and Ulander, M. and Svanborg, E. and Dahlstrom, U. and Brostrom, A.	Exp: KQ 1: No AHI change data
21847517	Functional outcomes of sleep in Thai patients with obstructive sleep-disordered breathing	Sleep Breath	Banhiran, W. and Assanasen, P. and Metheetrairut, C. and Nopmaneejumruslers, C. and Chotinaiwattarakul, W. and Kerdnoppakhun, J.	Exp: KQ 1: No AHI change data
22078131	Association between sleep apnea, snoring, incident cardiovascular events and all-cause mortality in an adult population: MESA	Atherosclerosis	Yeboah, J. and Redline, S. and Johnson, C. and Tracy, R. and Ouyang, P. and Blumenthal, R. S. and Burke, G. L. and Herrington, D. M.	Exp: KQ 1: No AHI change data
22171200	Severe obstructive sleep apnea and outcomes following myocardial infarction	J Clin Sleep Med	Lee, C. H. and Khoo, S. M. and Chan, M. Y. and Wong, H. B. and Low, A. F. and Phua, Q. H. and Richards, A. M. and Tan, H. C. and Yeo, T. C.	Exp: KQ 1: No AHI change data
22294346	Severe obstructive sleep apnea increases mortality in patients	Sleep Breath	Won, C. H. and Chun, H. J. and Chandra, S. M. and Sarinas, P. S. and Chitkara, R. K. and Heidenreich, P. A.	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
	with ischemic heart disease and myocardial injury			
22334803	Assessment of multiple health risks in a single obstructive sleep apnea population	J Clin Sleep Med	Hudgel, D. W. and Lamerato, L. E. and Jacobsen, G. R. and Drake, C. L.	Exp: KQ 1: No AHI change data
22405221	Effect of obstructive sleep apnea on response to cognitive behavior therapy for depression after an acute myocardial infarction	J Psychosom Res	Freedland, K. E. and Carney, R. M. and Hayano, J. and Steinmeyer, B. C. and Reese, R. L. and Roest, A. M.	Exp: KQ 1: No AHI change data
22835611	Insomnia related to sleep apnoea: effect of long-term auto-adjusting positive airway pressure treatment	Eur Respir J	Nguyen, X. L. and Rakotonanahary, D. and Chaskalovic, J. and Fleury, B.	Exp: KQ 1: No AHI change data
22892811	Insomnia with objective short sleep duration and incident hypertension: the Penn State Cohort	Hypertension	Fernandez-Mendoza, J. and Vgontzas, A. N. and Liao, D. and Shaffer, M. L. and Vela-Bueno, A. and Basta, M. and Bixler, E. O.	Exp: KQ 1: No AHI change data
23023681	Interactive associations of depression and sleep apnea with adverse clinical outcomes after acute myocardial infarction	Psychosom Med	Hayano, J. and Carney, R. M. and Watanabe, E. and Kawai, K. and Kodama, I. and Stein, P. K. and Watkins, L. L. and Freedland, K. E. and Blumenthal, J. A.	Exp: KQ 1: No AHI change data
23106598	Comorbidities and survival in obstructive sleep apnoea beyond the age of 50	Eur J Clin Invest	Marrone, O. and Lo Bue, A. and Salvaggio, A. and Dardanoni, G. and Insalaco, G.	Exp: KQ 1: No AHI change data
23361136	Mortality in middle-aged men with obstructive sleep apnea in Finland	Sleep Breath	Muraja-Murro, A. and Eskola, K. and Kolari, T. and Tiihonen, P. and Hukkanen, T. and Tuomilehto, H. and Peltonen, M. and Mervaala, E. and Toyras, J.	Exp: KQ 1: No AHI change data
23386369	Cerebral hemodynamic changes in obstructive sleep apnea syndrome after continuous positive airway pressure treatment	Sleep Breath	Jimenez Caballero, P. E. and Coloma Navarro, R. and Ayo Martin, O. and Segura Martin, T.	Exp: KQ 1: No AHI change data
23386373	Depression, physical activity, energy consumption, and quality of life in OSA patients before and after CPAP treatment	Sleep Breath	Diamanti, C. and Manali, E. and Ginieri-Coccossis, M. and Vougas, K. and Cholidou, K. and Markozannes, E. and Bakakos, P. and Liappas, I. and Alchanatis, M.	Exp: KQ 1: No AHI change data
23483174	Primary care vs specialist sleep center management of obstructive sleep apnea and	Jama	Chai-Coetzer, C. L. and Antic, N. A. and Rowland, L. S. and Reed, R. L. and Esterman, A. and Catcheside, P. G. and	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
	daytime sleepiness and quality of life: a randomized trial		Eckermann, S. and Vowles, N. and Williams, H. and Dunn, S. and McEvoy, R. D.	
23674930	Obstructive sleep apnea and the subsequent risk of depressive disorder: a population-based follow-up study	J Clin Sleep Med	Chen, Y. H. and Keller, J. K. and Kang, J. H. and Hsieh, H. J. and Lin, H. C.	Exp: KQ 1: No AHI change data
23674934	Impact of zaleplon on continuous positive airway pressure therapy compliance	J Clin Sleep Med	Park, J. G. and Olson, E. J. and Morgenthaler, T. I.	Exp: KQ 1: No AHI change data
21203366	The effect of CPAP in normalizing daytime sleepiness, quality of life, and neurocognitive function in patients with moderate to severe OSA.	Sleep	Antic NA and Catcheside P and Buchan C and Hensley M and Naughton MT and Rowland S and Williamson B and Windler S and McEvoy RD	Exp: KQ 1: No AHI change data
21667216	Adherence to CPAP therapy improves quality of life and reduces symptoms among obstructive sleep apnea syndrome patients.	Sleep & breathing = Schlaf & Atmung	Avlonitou E and Kapsimalis F and Varouchakis G and Vardavas CI and Behrakis P	Exp: KQ 1: No AHI change data
11388814	Treatment with continuous positive airway pressure is not effective in patients with sleep apnea but no daytime sleepiness. a randomized, controlled trial.	Annals of internal medicine	Barbe F and Mayoralas LR and Duran J and Masa JF and Maimo A and Montserrat JM and Monasterio C and Bosch M and Ladaria A and Rubio M and Rubio R and Medinas M and Hernandez L and Vidal S and Douglas NJ and Agusti AG	Exp: KQ 1: No AHI change data
11485111	Neuropsychological effects of one-week continuous positive airway pressure treatment in patients with obstructive sleep apnea: a placebo-controlled study.	Psychosomatic medicine	Bardwell WA and Ancoli-Israel S and Berry CC and Dimsdale JE	Exp: KQ 1: No AHI change data
9927358	Randomized placebo-controlled crossover trial of continuous positive airway pressure for mild sleep Apnea/Hypopnea syndrome.	American journal of respiratory and critical care medicine	Engleman HM and Kingshott RN and Wraith PK and Mackay TW and Deary IJ and Douglas NJ	Exp: KQ 1: No AHI change data
9708223	Randomised placebo controlled trial of daytime function after continuous positive airway pressure (CPAP) therapy for the	Thorax	Engleman HM and Martin SE and Kingshott RN and Mackay TW and Deary IJ and Douglas NJ	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
	sleep apnoea/hypopnoea syndrome.			
11179104	Randomized placebo-controlled trial of continuous positive airway pressure on blood pressure in the sleep apnea-hypopnea syndrome.	American journal of respiratory and critical care medicine	Faccenda JF and Mackay TW and Boon NA and Douglas NJ	Exp: KQ 1: No AHI change data
12204875	Oral appliance therapy improves symptoms in obstructive sleep apnea: a randomized, controlled trial.	American journal of respiratory and critical care medicine	Gotsopoulos H and Chen C and Qian J and Cistulli PA	Exp: KQ 1: No AHI change data
9989366	Effect of serotonin uptake inhibition on breathing during sleep and daytime symptoms in obstructive sleep apnea.	Sleep	Kraiczi H and Hedner J and Dahlof P and Ejnell H and Carlson J	Exp: KQ 1: No AHI change data
9122571	Long-term compliance with CPAP therapy in obstructive sleep apnea patients and in snorers.	Sleep	Krieger J and Kurtz D and Petiau C and Sforza E and Trautmann D	Exp: KQ 1: No AHI change data
10188139	Cognitive function and treatment of obstructive sleep apnea syndrome.	Journal of sleep research	Lojander J and Kajaste S and Maasilta P and Partinen M	Exp: KQ 1: No AHI change data
11704596	Effect of continuous positive airway pressure on sleep architecture in the sleep apnea-hypopnea syndrome: a randomized controlled trial.	American journal of respiratory and critical care medicine	McArdle N and Douglas NJ	Exp: KQ 1: No AHI change data
11371418	A randomized, controlled study of a mandibular advancement splint for obstructive sleep apnea.	American journal of respiratory and critical care medicine	Mehta A and Qian J and Petocz P and Darendeliler MA and Cistulli PA	Exp: KQ 1: No AHI change data
11520724	Effectiveness of CPAP treatment in daytime function in sleep apnea syndrome: a randomized controlled study with an optimized placebo.	American journal of respiratory and critical care medicine	Montserrat JM and Ferrer M and Hernandez L and Farre R and Vilagut G and Navajas D and Badia JR and Carrasco E and De Pablo J and Ballester E	Exp: KQ 1: No AHI change data
9517603	Improvement of mild sleep-disordered breathing with CPAP compared with conservative therapy.	American journal of respiratory and critical care medicine	Redline S and Adams N and Strauss ME and Roebuck T and Winters M and Rosenberg C	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
20173052	Outcomes of home-based diagnosis and treatment of obstructive sleep apnea	Chest	Skomro, R. P. and Gjevre, J. and Reid, J. and McNab, B. and Ghosh, S. and Stiles, M. and Jokic, R. and Ward, H. and Cotton, D.	Exp: KQ 1: No AHI change data
20394322	Randomized controlled trial comparing flexible and continuous positive airway pressure delivery: effects on compliance, objective and subjective sleepiness and vigilance	Sleep	Bakker, J. and Campbell, A. and Neill, A.	Exp: KQ 1: No AHI change data
27690206	The Interaction of Obesity and Nocturnal Hypoxemia on Cardiovascular Consequences in Adults with Suspected Obstructive Sleep Apnea. A Historical Observational Study	Ann Am Thorac Soc	Kendzerska, T. and Leung, R. S. and Gershon, A. S. and Tomlinson, G. and Ayas, N.	Exp: KQ 1: No AHI change data
27989495	Assessing Whether the Association Between Sleep Apnea and Diabetes is Bidirectional	Can J Diabetes	Liu, C. L. and Wu, C. S.	Exp: KQ 1: No AHI change data
30103074	Factors influencing adherence to continuous positive airway pressure treatment in obstructive sleep apnea and mortality associated with treatment failure - a national registry-based cohort study	Sleep Med	Palm, A. and Midgren, B. and Theorell-Haglow, J. and Ekstrom, M. and Ljunggren, M. and Janson, C. and Lindberg, E.	Exp: KQ 1: No AHI change data
30336691	Apnea-Hypopnea Event Duration Predicts Mortality in Men and Women in the Sleep Heart Health Study	Am J Respir Crit Care Med	Butler, M. P. and Emch, J. T. and Rueschman, M. and Sands, S. A. and Shea, S. A. and Wellman, A. and Redline, S.	Exp: KQ 1: No AHI change data
30372124	Cardiovascular Outcomes and All-Cause Mortality in Patients with Obstructive Sleep Apnea and Chronic Obstructive Pulmonary Disease (Overlap Syndrome)	Ann Am Thorac Soc	Kendzerska, T. and Leung, R. S. and Aaron, S. D. and Ayas, N. and Sandoz, J. S. and Gershon, A. S.	Exp: KQ 1: No AHI change data
30764637	Symptom Subtypes of Obstructive Sleep Apnea Predict Incidence of Cardiovascular Outcomes	Am J Respir Crit Care Med	Mazzotti, D. R. and Keenan, B. T. and Lim, D. C. and Gottlieb, D. J. and Kim, J. and Pack, A. I.	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
22964420	Cerebral hemodynamic changes at basilar artery in obstructive sleep apnea syndrome after continuous positive airway pressure treatment	Journal of Stroke & Cerebrovascular Diseases	JimV©nez Caballero, P. E. and Coloma Navarro, R. and Ayo MartV≠n, O. and Segura MartV≠n, T.	Exp: KQ 1: No AHI change data
25035126	TOMADO: a crossover randomised controlled trial of oral mandibular advancement devices for obstructive sleep apnoea-hypopnoea	Thorax	Quinnell, T. G. and Pittman, M. A. and Bennett, M. and Jordan, J. and Clutterbuck-James, A. L. and East, C. L. and Davies, M. G. and Oscroft, N. and Cameron, M. and Chadwick, R. and et al.	Exp: KQ 1: No AHI change data
abstract	A randomised controlled trial comparing patient outcomes following full polysomnography versus limited sleep study testing for suspected obstructive sleep apnea	Sleep and biological rhythms	Chai-Coetzer, C. L. and Antic, N. and Hamilton, G. and McArdle, N. and Wong, K. and Yee, B. and Yeo, A. and Ratnavadivel, R. and Naughton, M. and Roebuck, T. and et al.	Exp: KQ 1: No AHI change data
22036603	A new means of assessing the quality of life of patients with obstructive sleep apnea: the MOSAS questionnaire	Sleep Med	Moroni, L. and Neri, M. and Lucioni, A. M. and Filipponi, L. and Bertolotti, G.	Exp: KQ 1: No AHI change data
22036603	A new means of assessing the quality of life of patients with obstructive sleep apnea: The MOSAS questionnaire	Sleep Medicine	Moroni, L. and Neri, M. and Lucioni, A. M. and Filipponi, L. and Bertolotti, G.	Exp: KQ 1: No AHI change data
30251146	A Pilot Study on the Efficacy of Continuous Positive Airway Pressure on the Manifestations of Dysphagia in Patients with Obstructive Sleep Apnea	Dysphagia	Caparroz, F. A. and de Almeida Torres Campanholo, M. and Sguillar, D. A. and Haddad, L. and Park, S. W. and Bittencourt, L. and Tufik, S. and Haddad, F. L. M.	Exp: KQ 1: No AHI change data
24392703	Effect of continuous positive airway pressure therapy on sexual function and serum testosterone in males with type 2 diabetes and obstructive sleep apnoea	Clinical Endocrinology	Knapp, A. and Myhill, P. C. and Davis, W. A. and Peters, K. E. and Hillman, D. and Hamilton, E. J. and Lim, E. M. and Davis, T. M. E.	Exp: KQ 1: No AHI change data
27465978	The role of compliance with PAP use on blood pressure in patients with obstructive sleep apnea: Is longer use a key-factor?	Journal of Human Hypertension	Bouloukaki, I. and Mermigkis, C. and Tzanakis, N. and Giannadaki, K. and Mauroudi, E. and Moniaki, V. and Kallergis, E. M. and Schiza, S. E.	Exp: KQ 1: No AHI change data

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26265560	A pathway underlying the impact of CPAP adherence on intimate relationship with bed partner in men with obstructive sleep apnea	Sleep and Breathing	Lai, A. Y. K. and Ip, M. S. M. and Lam, J. C. M. and Weaver, T. E. and Fong, D. Y. T.	Exp: KQ 1: No AHI change data
25028171	Obstructive sleep apnea should be treated in patients with idiopathic pulmonary fibrosis	Sleep and Breathing	Mermigkis, C. and Bouloukaki, I. and Antoniou, K. and Papadogiannis, G. and Giannarakis, I. and Varouchakis, G. and Siafakas, N. and Schiza, S. E.	Exp: KQ 1: No AHI change data
30064993	Management of obstructive sleep apnoea in a primary care vs sleep unit setting: A randomised controlled trial	Thorax	Tarraubella, N. and SV°nchez-De-La-Torre, M. and Nadal, N. and De Batlle, J. and BenV≠tez, I. and Cortijo, A. and UrgelV©s, M. C. and Sanchez, V. and Lorente, I. and Lavega, M. M. and Fuentes, A. and Clotet, J. and Llort, L. and Vilo, L. and Juni, M. C. and Juarez, A. and Gracia, M. and Castro-Grattoni, A. L. and Pascual, L. and Minguez, O. and Masa, J. F. and BarbV©, F.	Exp: KQ 1: No AHI change data
21868499	Obstructive sleep apnea and systemic hypertension: longitudinal study in the general population: the Vitoria Sleep Cohort	Am J Respir Crit Care Med	Cano-Pumarega, I. and Duran-Cantolla, J. and Aizpuru, F. and Miranda-Serrano, E. and Rubio, R. and Martinez-Null, C. and de Miguel, J. and Egea, C. and Cancelo, L. and Alvarez, A. and Fernandez-Bolanos, M. and Barbe, F.	Exp: KQ 1: No AHI change data
22610391	Sleep-disordered breathing and cancer mortality: results from the Wisconsin Sleep Cohort Study	Am J Respir Crit Care Med	Nieto, F. J. and Peppard, P. E. and Young, T. and Finn, L. and Hla, K. M. and Farre, R.	Exp: KQ 1: No AHI change data
22701379	Functional outcomes in patients with REM-related obstructive sleep apnea treated with positive airway pressure therapy	J Clin Sleep Med	Su, C. S. and Liu, K. T. and Panjapornpon, K. and Andrews, N. and Foldvary-Schaefer, N.	Exp: KQ 1: No AHI change data
19179111	CPAP treatment in obstructive sleep apnoea: a randomised, controlled trial of follow-up with a focus on patient satisfaction.	Sleep medicine	Holmdahl C and Schollin IL and Alton M and Nilsson K	Exp: KQ 1: No AHI change data
29029945	Continuous positive airway pressure improves sleep quality, but not glycaemic control, in patients with poorly controlled long-standing type 2 diabetes	Diabetes and Metabolism	Torrella, M. and Castells, I. and Gimenez-Perez, G. and Recasens, A. and Miquel, M. and SimV≥, O. and Barbeta, E. and Sampol, G.	Exp: KQ 1: No AHI change data
27123331	Continuous positive airway pressure therapy is associated with improvement in overactive bladder symptoms in women	Cent European J Urol	Ipekci, T. and Cetintas, G. and Celik, O. and Ekin, R. G. and Sarac, S. and Tunckiran, A. and Ilbey, Y. O.	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
	with obstructive sleep apnea syndrome			
28442894	Effect of adherence on daytime sleepiness, fatigue, depression and sleep quality in the obstructive sleep apnea/hypopnea syndrome patients undertaking nasal continuous positive airway pressure therapy	Patient Prefer Adherence	Wang, Y. and Ai, L. and Luo, J. and Li, R. and Chai, Y. and He, X. and Cao, Y. and Li, Y.	Exp: KQ 1: No AHI change data
abstract	Effect of CPAP adherence on cognition in older adults with mild cognitive impairment and obstructive sleep apnea	Sleep	Richards, K. and Gooneratne, N. and Dicicco, B. and Hanlon, A. and Moelter, S. and Onen, F. and Wang, Y. and Sawyer, A. and Weaver, T. E. and Lozano, A. and Carter, P. and Johnson, J. C.	Exp: KQ 1: No AHI change data
29404114	Effect of Nasal Continuous Positive Airway Pressure Therapy on the Functional Respiratory Parameters and Cardiopulmonary Exercise Test in Obstructive Sleep Apnea Syndrome	Turk Thorac J	Tapan, O. O. and Sevinc, C. and Itil, B. O. and Oztura, I. and Kayatekin, B. M. and Demiral, Y.	Exp: KQ 1: No AHI change data
27344926	Effect of Nasal Continuous Positive Pressure on the Nostrils of Patients with Sleep Apnea Syndrome and no Previous Nasal Pathology. Predictive Factors for Compliance	Arch Bronconeumol	Aguilar, F. and Cisternas, A. and Montserrat, J. M. and Avila, M. and Torres-Lopez, M. and Iranzo, A. and Berenguer, J. and Vilaseca, I.	Exp: KQ 1: No AHI change data
24275628	Effect of sleep apnea and continuous positive airway pressure on cardiac structure and recurrence of atrial fibrillation	J Am Heart Assoc	Neilan, T. G. and Farhad, H. and Dodson, J. A. and Shah, R. V. and Abbasi, S. A. and Bakker, J. P. and Michaud, G. F. and van der Geest, R. and Blankstein, R. and Steigner, M. and John, R. M. and Jerosch-Herold, M. and Malhotra, A. and Kwong, R. Y.	Exp: KQ 1: No AHI change data
22713425	Effectiveness of 6-months Continuous Positive Airway Pressure treactment in OSAS-related cognitive deficit in older adults	Behavioural Neurology	Iglesias, B. G. and Escarceller, C. J. and Robles, I. B. and Masip, R. C. and Santo-TomV°s, O. R. and Navinv©s, F. P. and Rovira, M. B.	Exp: KQ 1: No AHI change data
30793369	Effectiveness of nasal continuous airway pressure therapy in	Int J Health Plann Manage	Kandasamy, G. and Almaghaslah, D. and Sivanandy, P. and Arumugam, S.	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
	patients with obstructive sleep apnea			
25136550	Effects of a pragmatic lifestyle intervention for reducing body mass in obese adults with obstructive sleep apnoea: a randomised controlled trial	Biomed Res Int	Moss, J. and Tew, G. A. and Copeland, R. J. and Stout, M. and Billings, C. G. and Saxton, J. M. and Winter, E. M. and Bianchi, S. M.	Exp: KQ 1: No AHI change data
abstract	Health benefits to peers participating in a mentoring program for treatment adherence in patients with sleep apnea	Sleep	Patel, S. I. and Wendel, C. and Berryhill, S. and Provencio, N. and DeArmond, R. and Quan, S. F. and Combs, D. and Skrepnek, G. H. and Parthasarathy, S.	Exp: KQ 1: No AHI change data
24684976	High incidence of stroke in young women with sleep apnea syndrome	Sleep Med	Chang, C. C. and Chuang, H. C. and Lin, C. L. and Sung, F. C. and Chang, Y. J. and Hsu, C. Y. and Chiang, L. L.	Exp: KQ 1: No AHI change data
27001264	Hypertension Is Associated With Undiagnosed OSA During Rapid Eye Movement Sleep	Chest	Appleton, S. L. and Vakulin, A. and Martin, S. A. and Lang, C. J. and Wittert, G. A. and Taylor, A. W. and McEvoy, R. D. and Antic, N. A. and Catcheside, P. G. and Adams, R. J.	Exp: KQ 1: No AHI change data
abstract	Impact of risk factor modification in improving quality of life and arrhythmia symptoms in patients with atrial fibrillation	Circulation: Cardiovascular Quality and Outcomes	Yaeger, A. and Cash, N. R. and Parham, T. and Pathak, R. and Frankel, D. S. and Schaller, R. and Santangeli, P. and Callans, D. J. and Marchlinski, F. E. and Kolansky, D. M. and Mora, J. and Schwab, R. and Pack, A. and Dixit, S.	Exp: KQ 1: No AHI change data
27105053	Influence of Lung Function and Sleep-disordered Breathing on All-Cause Mortality. A Community-based Study	Am J Respir Crit Care Med	Putcha, N. and Crainiceanu, C. and Norato, G. and Samet, J. and Quan, S. F. and Gottlieb, D. J. and Redline, S. and Punjabi, N. M.	Exp: KQ 1: No AHI change data
22759809	Sexual function in male patients with obstructive sleep apnoea after 1 year of CPAP treatment	Clin Respir J	Petersen, M. and Kristensen, E. and Berg, S. and Midgren, B.	Exp: KQ 1: No AHI change data
23155146	Association between obstructive sleep apnea and cancer incidence in a large multicenter Spanish cohort	Am J Respir Crit Care Med	Campos-Rodriguez, F. and Martinez-Garcia, M. A. and Martinez, M. and Duran-Cantolla, J. and Pena Mde, L. and Masdeu, M. J. and Gonzalez, M. and Campo, Fd and Gallego, I. and Marin, J. M. and Barbe, F. and Montserrat, J. M. and Farre, R.	Exp: KQ 1: No AHI change data
23674935	Effects of armodafinil on simulated driving and self-report measures in obstructive sleep apnea patients prior to treatment with continuous positive airway pressure	J Clin Sleep Med	Kay, G. G. and Feldman, N.	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
23770166	Obstructive sleep apnea and the risk of sudden cardiac death: a longitudinal study of 10,701 adults	J Am Coll Cardiol	Gami, A. S. and Olson, E. J. and Shen, W. K. and Wright, R. S. and Ballman, K. V. and Hodge, D. O. and Herges, R. M. and Howard, D. E. and Somers, V. K.	Exp: KQ 1: No AHI change data
24897551	Obstructive sleep apnea and incident diabetes. A historical cohort study	Am J Respir Crit Care Med	Kendzerska, T. and Gershon, A. S. and Hawker, G. and Tomlinson, G. and Leung, R. S.	Exp: KQ 1: No AHI change data
25622738	Association between inflammation and cognitive function and effects of continuous positive airway pressure treatment in obstructive sleep apnea hypopnea syndrome	Zhonghua Yi Xue Za Zhi	Sun, L. and Chen, R. and Wang, J. and Zhang, Y. and Li, J. and Peng, W. and Liu, C.	Exp: KQ 1: No AHI change data
26395950	Impact of non-dipping on cardiovascular outcomes in patients with obstructive sleep apnea syndrome	Clin Exp Hypertens	Sasaki, N. and Ozono, R. and Edahiro, Y. and Ishii, K. and Seto, A. and Okita, T. and Teramen, K. and Fujiwara, S. and Kihara, Y.	Exp: KQ 1: No AHI change data
26992334	Obstructive sleep apnea is associated with an increased risk of venous thromboembolism	J Vasc Surg Venous Lymphat Disord	Lin, C. C. and Keller, J. J. and Kang, J. H. and Hsu, T. C. and Lin, H. C.	Exp: KQ 1: No AHI change data
	Evaluation of cognitive functions in patients with obstructive sleep apnea before and after continuous positive airway pressure treatment	Neurology Asia	Gemici, Y. and Ozturk, L. and Celebi, C.	Exp: KQ 1: No AHI change data
abstract	Dynamics of clinical and psychological parameters in patients with obstructive sleep Apnoea and hypertension against the background of CPAP therapy one month later	Journal of Hypertension	Konovalova, K. and Elfimova, E. and Fedorova, V. and Litvin, A.	Exp: KQ 1: No AHI change data
abstract	Emotional regulation in obstructive sleep apnoea before and after treatment with continuous positive airway pressure	Journal of Sleep Research	Pattison, E. and Barnes, M. and Tolson, J. and Miles, J. and Jackson, M.	Exp: KQ 1: No AHI change data
abstract	Impact of Cpap on Quality of Life in Patient with Osa: Experience of Sleep Laboratory from Cluj-Napoca, Romania	Chest	Maierean, A. D. and Doina Adina, T.	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
abstract	Effects of CPAP on clinic blood pressure in patients with obstructive sleep apnea: 10 years follow-up	European Respiratory Journal	Matsuo, A. and Sonehara, K.	Exp: KQ 1: No AHI change data
29112823	Obstructive Sleep Apnea during REM Sleep and Cardiovascular Disease	Am J Respir Crit Care Med	Aurora, R. N. and Crainiceanu, C. and Gottlieb, D. J. and Kim, J. S. and Punjabi, N. M.	Exp: KQ 1: No AHI change data
29167620	Obstructive Sleep Apnea Independently Increases the Incidence of Heart Failure and Major Adverse Cardiac Events: A Retrospective Population-Based Follow-Up Study	Acta Cardiol Sin	Lin, Y. S. and Liu, P. H. and Chu, P. H.	Exp: KQ 1: No AHI change data
29217597	Outcomes in coronary artery disease patients with sleepy obstructive sleep apnoea on CPAP	Eur Respir J	Peker, Y. and Thunstrom, E. and Glantz, H. and Wegscheider, K. and Eulenburg, C.	Exp: KQ 1: No AHI change data
29296051	Effects of continuous positive airway pressure on anxiety, depression, and major cardiac and cerebro-vascular events in obstructive sleep apnea patients with and without coronary artery disease	Ci Ji Yi Xue Za Zhi	Lee, M. C. and Shen, Y. C. and Wang, J. H. and Li, Y. Y. and Li, T. H. and Chang, E. T. and Wang, H. M.	Exp: KQ 1: No AHI change data
29301021	Changing Faces of Obstructive Sleep Apnea: Treatment Effects by Cluster Designation in the Icelandic Sleep Apnea Cohort	Sleep	Pien, G. W. and Ye, L. and Keenan, B. T. and Maislin, G. and Bjornsdottir, E. and Arnardottir, E. S. and Benediktsdottir, B. and Gislason, T. and Pack, A. I.	Exp: KQ 1: No AHI change data
29330769	Comorbid insomnia and sleep apnea in Veterans with post-traumatic stress disorder	Sleep Breath	El-Solh, A. A. and Adamo, D. and Kufel, T.	Exp: KQ 1: No AHI change data
29351819	Patient-Reported Outcomes in Older Adults With Obstructive Sleep Apnea Treated With Continuous Positive Airway Pressure Therapy	J Clin Sleep Med	Pallansch, J. and Li, Y. and Bena, J. and Wang, L. and Foldvary-Schaefer, N.	Exp: KQ 1: No AHI change data
29352093	Excessive Daytime Sleepiness Independently Predicts Increased Cardiovascular Risk After Myocardial Infarction	J Am Heart Assoc	Xie, J. and Sert Kuniyoshi, F. H. and Covassin, N. and Singh, P. and Gami, A. S. and Chahal, C. A. A. and Somers, V. K.	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
29380097	Depression score changes in response to sleep disordered breathing treatment with positive airway pressure in a large clinic-based cohort	Sleep Breath	Relia, S. and Thompson, N. R. and Mehra, R. and Moul, D. and Katzan, I. and Foldvary-Schaefer, N. and Walia, H. K.	Exp: KQ 1: No AHI change data
29530366	Joint effects of OSA and self-reported sleepiness on incident CHD and stroke	Sleep Med	Ogilvie, R. P. and Lakshminarayan, K. and Iber, C. and Patel, S. R. and Lutsey, P. L.	Exp: KQ 1: No AHI change data
30059554	Timely diagnosis and treatment of sleep apnea reduce cardiovascular sequelae in patients with myocardial infarction	PLoS One	Lin, M. T. and Lai, C. L. and Lee, P. L. and Shen, M. H. and Yu, C. J. and Fang, C. T. and Chen, C. L.	Exp: KQ 1: No AHI change data
30110675	Obstructive Sleep Apnea Increases Sudden Cardiac Death in Incident Hemodialysis Patients	Am J Nephrol	Kerns, E. S. and Kim, E. D. and Meoni, L. A. and Sozio, S. M. and Jaar, B. G. and Estrella, M. M. and Parekh, R. S. and Bourjeily, G.	Exp: KQ 1: No AHI change data
30118776	Evaluation of Sexual Dysfunction, Lower Urinary Tract Symptoms and Quality of Life in Men With Obstructive Sleep Apnea Syndrome and the Efficacy of Continuous Positive Airway Pressure Therapy	Urology	Irer, B. and Celikhisar, A. and Celikhisar, H. and Bozkurt, O. and Demir, O.	Exp: KQ 1: No AHI change data
30472022	Multimodal Remote Monitoring of High Cardiovascular Risk Patients With OSA Initiating CPAP: A Randomized Trial	Chest	Pepin, J. L. and Jullian-Desayes, I. and Sapene, M. and Treptow, E. and Joyeux-Faure, M. and Benmerad, M. and Bailly, S. and Grillet, Y. and Stach, B. and Richard, P. and Levy, P. and Muir, J. F. and Tamisier, R.	Exp: KQ 1: No AHI change data
30523558	Psychometric properties of the Ethos Brief Index (EBI) using factorial structure and Rasch Analysis among patients with obstructive sleep apnea before and after CPAP treatment is initiated	Sleep Breath	Brostrom, A. and Pakpour, A. H. and Nilsen, P. and Fridlund, B. and Ulander, M.	Exp: KQ 1: No AHI change data
30590811	Mild-to-moderate sleep apnea is associated with incident hypertension: age effect	Sleep	Vgontzas, A. N. and Li, Y. and He, F. and Fernandez-Mendoza, J. and Gaines, J. and Liao, D. and Basta, M. and Bixler, E. O.	Exp: KQ 1: No AHI change data
30636505	Association of Obstructive Sleep Apnea With Cardiovascular	J Am Heart Assoc	Fan, J. and Wang, X. and Ma, X. and Somers, V. K. and Nie, S. and Wei, Y.	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
	Outcomes in Patients With Acute Coronary Syndrome			
30685854	Comorbidities associated with obstructive sleep apnea: a retrospective Egyptian study on 244 patients	Sleep Breath	Sweed, R. A. and Hassan, S. and ElWahab, N. H. A. and Aref, S. R. and Mahmoud, M. I.	Exp: KQ 1: No AHI change data
31027347	Telomere Length and Risk of Major Adverse Cardiac Events and Cancer in Obstructive Sleep Apnea Patients	Cells	Polonis, K. and Sompalli, S. and Becari, C. and Xie, J. and Covassin, N. and Schulte, P. J. and Druliner, B. R. and Johnson, R. A. and Narkiewicz, K. and Boardman, L. A. and Singh, P. and Somers, V. K.	Exp: KQ 1: No AHI change data
31309464	OSA and CPAP therapy: effect of gender, somnolence, and treatment adherence on health-related quality of life	Sleep Breath	Lo Bue, A. and Salvaggio, A. and Iacono Isidoro, S. and Romano, S. and Insalaco, G.	Exp: KQ 1: No AHI change data
30376054	The hypoxic burden of sleep apnoea predicts cardiovascular disease-related mortality: the Osteoporotic Fractures in Men Study and the Sleep Heart Health Study.	European heart journal	Azarbarzin A and Sands SA and Stone KL and Taranto-Montemurro L and Messineo L and Terrill PI and Ancoli-Israel S and Ensrud K and Purcell S and White DP and Redline S and Wellman A	Exp: KQ 1: No AHI change data
17099012	An oral hypnotic medication does not improve continuous positive airway pressure compliance in men with obstructive sleep apnea.	Chest	Bradshaw DA and Ruff GA and Murphy DP	Exp: KQ 1: No AHI change data
15258478	A pilot trial of a telecommunications system in sleep apnea management.	Medical care	DeMolles DA and Sparrow D and Gottlieb DJ and Friedman R	Exp: KQ 1: No AHI change data
16236868	Effect of heated humidification on compliance and quality of life in patients with sleep apnea using nasal continuous positive airway pressure.	Chest	Mador MJ and Krauza M and Pervez A and Pierce D and Braun M	Exp: KQ 1: No AHI change data
17157557	A multicentre trial of education strategies at CPAP induction in the treatment of severe sleep apnoea-hypopnoea syndrome.	Sleep medicine	Meurice JC and Ingrand P and Portier F and Arnulf I and Rakotonanahari D and Fournier E and Philip-Joet F and Veale D	Exp: KQ 1: No AHI change data
14725828	Annual review of patients with sleep apnea/hypopnea syndrome--a pragmatic	Sleep medicine	Palmer S and Selvaraj S and Dunn C and Osman LM and Cairns J and Franklin D and Hulks G and Godden DJ	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
	randomised trial of nurse home visit versus consultant clinic review.			
18656731	Randomized placebo-controlled trial of pantoprazole for daytime sleepiness in GERD and obstructive sleep disordered breathing.	Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery	Suurna MV and Welge J and Surdulescu V and Kushner J and Steward DL	Exp: KQ 1: No AHI change data
16565867	The role of telemedicine in CPAP compliance for patients with obstructive sleep apnea syndrome.	Sleep & breathing = Schlaf & Atmung	Taylor Y and Eliasson A and Andrada T and Kristo D and Howard R	Exp: KQ 1: No AHI change data
21365185	Obstructive sleep apnea symptoms beyond sleepiness and snoring: effects of nasal APAP therapy	Sleep Breath	Cruz, I. A. and Drummond, M. and Winck, J. C.	Exp: KQ 1: No AHI change data
26980010	Obstructive sleep apnoea and frequency of occupational injury	Thorax	Allen, A. J. H. and Park, J. E. and Daniele, P. R. and Fleetham, J. and Ryan, C. F. and Ayas, N. T.	Exp: KQ 1: No AHI change data
	Prediction of systemic hypertension in patients with Sleep-Apnea syndrome	Experimental and Clinical Cardiology	Frent, S. M. and Mihaicuta, S. and Tudorache, V. M.	Exp: KQ 1: No AHI change data
abstract	Residual excessive sleepiness in long term CPAP-treated patients: a leak problem?	European Respiratory Journal	Rotty, M. C. and Mallet, J. P. and Suehs, C. M. and Martinez, C. and Bourdin, A. and Molinari, N. and Jaffuel, D.	Exp: KQ 1: No AHI change data
26660307	Obstructive sleep apnoea and the incidence and mortality of cancer: a meta-analysis	Eur J Cancer Care (Engl)	Zhang, X. B. and Peng, L. H. and Lyu, Z. and Jiang, X. T. and Du, Y. P.	Exp: KQ 1: No AHI change data
24812654	Obstructive sleep apnea and risk for late-life depression	Ann Clin Psychiatry	Bajpai, S. and Im, K. B. and Dyken, M. E. and Sodhi, S. K. and Fiedorowicz, J. G.	Exp: KQ 1: No AHI change data
23936988	Health-related quality of life in Thai patients with obstructive sleep disordered breathing	J Med Assoc Thai	Banhiran, W. and Assanasen, P. and Metheetrairut, C. and Chotinaiwattarakul, W.	Exp: KQ 1: No AHI change data
21866643	Risk factors of obstructive sleep apnea hypopnea syndrome and its treatment in female patients	Journal of Sichuan University (Medical Science Edition)	Wang, J. L. and Xia, J. and Wang, J. F. and Luo, C. and Liang, Z. A.	Exp: KQ 1: No AHI change data
24163991	Comparison of the clinical outcomes between unattended home APAP and polysomnography manual	Journal of the Medical Association of Thailand	Wongsritrang, K. and Fueangkamloon, S.	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
	titration in obstructive sleep apnea patients			
	The efficacy of continuous positive airway pressure treatment for obstructive sleep apnoea on clinical depression	Journal of Sleep Research	Tolson, J. and Barnes, M. and Bartlett, D. J. and Jackson, M. L.	Exp: KQ 1: No AHI change data
	The association of obstructive sleep apnoea with mortality, cardiovascular events, cancer and diabetes incidence and the impact of CPAP therapy	Irish Journal of Medical Science	Ng, S. W. and Nolan, G. and Hayes, L. and Ryan, S.	Exp: KQ 1: No AHI change data
	Establishing the minimum CPAP usage to achieve improvement in sleepiness and daytime functioning in OSA	Journal of Sleep Research	Le Feuvre, S. and Duce, B. and Hukins, A. C.	Exp: KQ 1: No AHI change data
	Six months of continuous positive airway pressure treatment improves neurobehavioral function and quantitative sleep electroencephalogram measures in obstructive sleep apnea	Sleep	D'Rozario, A. L. and Hoyos, C. and Kim, J. and Vakulin, A. and Wong, K. K. and Leow, J. and Bartlett, D. J. and Grunstein, R. R.	Exp: KQ 1: No AHI change data
	Obstructive sleep apnoea treatment response in the elderly	Journal of Sleep Research	Fanning, G. and Hukins, C.	Exp: KQ 1: No AHI change data
	Association of obstructive sleep apnoea (OSA) with incident stroke: A systematic review and meta-analysis	Journal of Neurology, Neurosurgery and Psychiatry	Brown, J. W. L. and Loke, Y. and Kwok, C. S. and Niruban, A. and Myint, P.	Exp: KQ 1: No AHI change data
	Severe obstructive sleep apnea syndrome in elderly population: A prospective study of 80 patients	European Respiratory Journal	Khalfallah, I. and Loukil, M. and Ismail, I. and Naceur, I. and Ghrairi, H.	Exp: KQ 1: No AHI change data
	Neurocognitive impairment in patients with obstructive sleep apnea before and after therapy with continuous positive airway pressure	Sleep Medicine	Suri, T. M. and Sharma, S. K. and Kumaran, S. S. and Nehra, A. and Nischal, N. and Kalaivani, M.	Exp: KQ 1: No AHI change data
	Obstructive sleep apnea severity and subsequent cancer risk	Sleep	Sillah, A. and Watson, N. F. and Phipps, A. I.	Exp: KQ 1: No AHI change data
	Prognostic differences between severe and very severe	Circulation	Hamaoka, T. and Murai, H. and Sugimoto, H. and Mukai, Y. and Inoue, O. and Okabe, Y. and Tokuhisa, H. and	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
	obstructive sleep apnea patients treated with continuous positive airway pressure; five years outcome		Takashima, S. and Kato, T. and Usui, S. and Furusho, H. and Takata, S. and Kaneko, S. and Takamura, M.	
	A randomised controlled trial to evaluate a simplified model of care for obstructive sleep apnea in primary care	American journal of respiratory and critical care medicine	Chai-Coetzer, C. and Antic, N. A. and Rowland, L. and Reed, R. L. and Esterman, A. and Catcheside, P. and Vowles, N. and Williams, H. and Dunn, S. and McEvoy, R. D.	Exp: KQ 1: No AHI change data
	Continuous positive airway pressure (CPAP) supported by telemedicine improves sleepiness and quality of life but not blood pressure in high cardiovascular risk obstructive sleep apnea (OSA): a randomized, controlled trial	American journal of respiratory and critical care medicine	Pepin, J. L. and Mendelson, M. and Vivodtzev, I. and Tamisier, R. and Laplaud, D. and Dias Domingos, S. and Baguet, J. P. and Moreau, L. and Koltes, C. and Chavez, L. and et al.	Exp: KQ 1: No AHI change data
23831239	Association between severe obstructive sleep apnea and incident arterial hypertension in the older people population	Sleep Med	Guillot, M. and Sforza, E. and Achour-Crawford, E. and Maudoux, D. and Saint-Martin, M. and Barthelemy, J. C. and Roche, F.	Exp: KQ 1: No AHI change data
21429412	[Twenty years follow-up: the correlation between sleep apnea syndrome and cerebrovascular disease]	Zhonghua Jie He He Hu Xi Za Zhi	Ci, S. P. and Gao, Y. and Zhang, X. L. and Mao, J. H. and Zhao, N. Z. and Ni, J. Q. and Shen, X. and Ding, M. and Xu, X. X.	Exp: KQ 1: No AHI change data
24796588	[A long-term follow-up of the correlation between obstructive sleep apnea hypopnea syndrome and multiple organ diseases]	Zhonghua Jie He He Hu Xi Za Zhi	Cao, Y. and Dai, H. and Ni, J. and Zhu, A. and Wang, Y. and Ci, S.	Exp: KQ 1: No AHI change data
29071875	[Oral-appliance combined with tadalafil for erectile dysfunction induced by severe obstructive sleep apneahypopnea syndrome]	Zhonghua Nan Ke Xue	Zhang, T. and Li, W. B. and Pan, M. A.	Exp: KQ 1: No AHI change data
15738297	All-cause mortality in males with sleep apnoea syndrome: declining mortality rates with age	European Respiratory Journal	Lavie P	Exp: KQ 1: No AHI change data
19688045	Sleep-Disordered Breathing and Mortality: A Prospective Cohort Study	PLOS Medicinw	Punjabi	Exp: KQ 1: No AHI change data
7610310		Sleep Apnea Research	Lavie P	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
19264976	Prospective Study of Sleep-disordered breating and hypertension		O'Connor G	Exp: KQ 1: No AHI change data
19725256	Longitudinal Evaluation of Sleep-Disordered Breathing and Sleep Symptoms with Change in Quality of Life: The Sleep Heart Health Study (SHHS)	SLEEP	Silva	Exp: KQ 1: No AHI change data
10194151	Can intensive support improve continuous positive airway pressure use in patients with the sleep apnea/hypopnea syndrome?	American journal of respiratory and critical care medicine	Hoy CJ and Vennelle M and Kingshott RN and Engleman HM and Douglas NJ	Exp: KQ 1: No AHI change data
29087522	Slow-Wave Sleep Is Associated With Incident Hypertension: The Sleep Heart Health Study	Sleep	Javaheri, S. and Zhao, Y. Y. and Punjabi, N. M. and Quan, S. F. and Gottlieb, D. J. and Redline, S.	Exp: KQ 1: No AHI change data
25515104	Coronary heart disease incidence in sleep disordered breathing: the Wisconsin Sleep Cohort Study	Sleep	Hla, K. M. and Young, T. and Hagen, E. W. and Stein, J. H. and Finn, L. A. and Nieto, F. J. and Peppard, P. E.	Exp: KQ 1: No AHI change data
24293765	Symptoms of insomnia among patients with obstructive sleep apnea before and after two years of positive airway pressure treatment	Sleep	Bjornsdottir, E. and Janson, C. and Sigurdsson, J. F. and Gehrman, P. and Perlis, M. and Juliusson, S. and Arnardottir, E. S. and Kuna, S. T. and Pack, A. I. and Gislason, T. and Benediktsdottir, B.	Exp: KQ 1: No AHI change data
24435294	Depressive symptoms before and after long-term CPAP therapy in patients with sleep apnea	Chest	Gagnadoux, F. and Le Vaillant, M. and Goupil, F. and Pigeanne, T. and Chollet, S. and Masson, P. and Bizieux-Thaminy, A. and Humeau, M. P. and Meslier, N.	Exp: KQ 1: No AHI change data
26857052	Predicting CPAP Use and Treatment Outcomes Using Composite Indices of Sleep Apnea Severity	J Clin Sleep Med	Balakrishnan, K. and James, K. T. and Weaver, E. M.	Exp: KQ 1: No AHI change data
28572118	Obstructive sleep apnoea is not a risk factor for incident hospitalised depression: a historical cohort study	Eur Respir J	Kendzerska, T. and Gershon, A. S. and Hawker, G. A. and Tomlinson, G. A. and Leung, R. S.	Exp: KQ 1: No AHI change data
25766697	Nocturnal Hypoxemia and Severe Obstructive Sleep Apnea are Associated with Incident Type 2 Diabetes in a Population Cohort of Men.	Journal of clinical sleep medicine : JCSM : official publication of the American Academy of Sleep Medicine	Appleton SL and Vakulin A and McEvoy RD and Wittert GA and Martin SA and Grant JF and Taylor AW and Antic NA and Catcheside PG and Adams RJ	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
19777281	Obstructive sleep apnea as a risk factor for coronary events or cardiovascular death	Sleep Breath	Shah, N. A. and Yaggi, H. K. and Concato, J. and Mohsenin, V.	Exp: KQ 1: No AHI change data
20237456	Sleep apnea is a novel risk predictor of cardiovascular morbidity and death in patients receiving peritoneal dialysis	Kidney Int	Tang, S. C. and Lam, B. and Yao, T. J. and Leung, W. S. and Chu, C. M. and Ho, Y. W. and Ip, M. S. and Lai, K. N.	Exp: KQ 1: No AHI change data
20339144	Obstructive sleep apnea-hypopnea and incident stroke: the sleep heart health study	Am J Respir Crit Care Med	Redline, S. and Yenokyan, G. and Gottlieb, D. J. and Shahar, E. and O'Connor, G. T. and Resnick, H. E. and Diener-West, M. and Sanders, M. H. and Wolf, P. A. and Geraghty, E. M. and Ali, T. and Lebowitz, M. and Punjabi, N. M.	Exp: KQ 1: No AHI change data
24733978	Sleep apnea and 20-year follow-up for all-cause mortality, stroke, and cancer incidence and mortality in the Busselton Health Study cohort	J Clin Sleep Med	Marshall, N. S. and Wong, K. K. and Cullen, S. R. and Knuiman, M. W. and Grunstein, R. R.	Exp: KQ 1: No AHI change data
18714778	Sleep Disordered Breathing and Mortality: Eighteen-Year Follow-up of the Wisconsin Sleep Cohort	SLEEP	Young T	Exp: KQ 1: No AHI change data
16141444	Association of Sleep-disordered Breathing and the Occurrence of Stroke	Am J Respir Crit Care Med	Artz	Exp: KQ 1: No AHI change data
16192452	Association of Sleep Apnea and Type II Diabetes	Am J Respir Crit Care Med	Reichmuth	Exp: KQ 1: No AHI change data
23937311	The severity of individual obstruction events is related to increased mortality rate in severe obstructive sleep apnea	J Sleep Res	Muraja-Murro, A. and Kulkas, A. and Hiltunen, M. and Kupari, S. and Hukkanen, T. and Tiihonen, P. and Mervaala, E. and Toyras, J.	Exp: KQ 1: No AHI change data
27938920	Impact of different hypopnea definitions on obstructive sleep apnea severity and cardiovascular mortality risk in women and elderly individuals	Sleep Med	Campos-Rodriguez, F. and Martinez-Garcia, M. A. and Reyes-Nunez, N. and Selma-Ferrer, M. J. and Punjabi, N. M. and Farre, R.	Exp: KQ 1: No AHI change data
25295854	Obstructive sleep apnea during REM sleep and hypertension. results of the Wisconsin Sleep Cohort	Am J Respir Crit Care Med	Mokhlesi, B. and Finn, L. A. and Hagen, E. W. and Young, T. and Hla, K. M. and Van Cauter, E. and Peppard, P. E.	Exp: KQ 1: No AHI change data
8275724	Long-term survival of patients with obstructive sleep apnea	Chest	Keenan SP and Burt H and Ryan CF and Fleetham JA	Exp: KQ 1: No AHI change data

PubMed ID	Title	Journal	Authors	Rejection Reason
	treated by uvulopalatopharyngoplasty or nasal CPAP.			
24317681	Continuous positive airway pressure treatment improves cardiovascular outcomes in elderly patients with cardiovascular disease and obstructive sleep apnea	Heart Vessels	Nishihata, Y. and Takata, Y. and Usui, Y. and Kato, K. and Yamaguchi, T. and Shiina, K. and Yamashina, A.	Exp: KQ 1: No AHI change data
25663192	Relationship between severity of obstructive sleep apnea and adverse cardiac outcomes in non-diabetic patients presenting with myocardial infarction.	European archives of oto-rhino-laryngology : official journal of the European Federation of Oto-Rhino-Laryngological Societies (EUFOS) : affiliated with the German Society for Oto-Rhino-Laryngology - Head and Neck Surgery	Zhao LP and Loh K and Loo G and Khoo SM and Shen L and Lee CH	Exp: KQ 1: No AHI change data
25325460	Sleep apnea-related risk of motor vehicle accidents is reduced by continuous positive airway pressure: Swedish Traffic Accident Registry data	Sleep	Karimi, M. and Hedner, J. and Habel, H. and Nerman, O. and Grote, L.	Exp: KQ 1: No AHI change data
	Gender-specific efficacy of Mandibular Repositioning Device (MRD) therapy in obstructive sleep apnea (OSA) patients. Subgroup analysis of ORCADES study data	Journal of sleep research	Vecchierini, M. F. and Attali, V. and Collet, J. M. and D'Ortho, M. P. and Goutorbe, F. and Kerbrat, J. B. and Khemliche, H. and Leger, D. and Lerousseau, L. and Martin, F. and et al.	Exp: KQ 1: No AHI change data
12426271			Sin	Exp: KQ 1: No AHI change data
CN-01804584	The impact of changing the pressure generating device in people with sleep apnoea using Continuous Positive Airway Pressure (CPAP) less than 4 hours per night	http://www.who.int/trialsearch/Trial2.aspx?TrialID=ISRCTN31885415	Isrctn	Exp: KQ 2 Not CPAP
25581921	Web-Based Access to Positive Airway Pressure Usage with or without an Initial Financial Incentive Improves Treatment	Sleep	Kuna, S. T. and Shuttleworth, D. and Chi, L. and Schutte-Rodin, S. and Friedman, E. and Guo, H. and Dhand, S. and Yang, L. and Zhu, J. and Bellamy, S. L. and Volpp, K. G. and Asch, D. A.	Exp: KQ 2 Not CPAP

PubMed ID	Title	Journal	Authors	Rejection Reason
	Use in Patients with Obstructive Sleep Apnea			
29405512	Ready-made versus custom-made mandibular advancement appliances in obstructive sleep apnea: A systematic review and meta-analysis	J Sleep Res	Johal, A. and Agha, B.	Exp: KQ 2 Not CPAP
29582447	Sleep study-guided multidisciplinary therapy (SGMT) for patients with acute coronary syndrome: Trial rationale and design	Clin Cardiol	Chua, A. P. and Koo, C. Y. and Kristanto, W. and Parot, M. and Tan, E. S. and Koh, E. H. and Abd Gani, M. B. and Kojodjojo, P. and Han, T. O. and Chan, S. P. and Chong, J. P. and Frampton, C. and Richards, A. M. and Lee, C. H.	Exp: KQ 2 Not CPAP
29605831	Influence of sleep-disordered breathing assessed by pulse oximetry on long-term clinical outcomes in patients who underwent percutaneous coronary intervention	Clin Res Cardiol	Yatsu, S. and Naito, R. and Kasai, T. and Matsumoto, H. and Shitara, J. and Shimizu, M. and Murata, A. and Kato, T. and Suda, S. and Hiki, M. and Sai, E. and Miyauchi, K. and Daida, H.	Exp: KQ 2 Not CPAP
abstract	Cardiovascular outcomes in revascularized coronary artery disease patients with obstructive sleep apnea syndrome on CPAP treatment: the observational arm of the riccadsa cohort	American journal of respiratory and critical care medicine	Peker, Y. and Glantz, H. and Eulenburg, C. and Thunstrom, E.	Exp: KQ 2 Not CPAP
abstract	Impact of adherence to continuous positive airway pressure on the long-term clinical outcomes in patients with acute myocardial infarction and obstructive sleep apnea	European Heart Journal	Nakashima, H. and Fukushima, T. and Muto, S. and Furudono, S. and Nunohiro, T. and Maemura, K.	Exp: KQ 2 Not CPAP
15195049	Survival of veterans with sleep apnea: continuous positive airway pressure versus surgery.	Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery	Weaver EM and Maynard C and Yueh B	Exp: KQ 2 Not CPAP
	CPAP treatment and sexual quality of life in women and men with sleep apnea	Otolaryngology - Head and Neck Surgery	Jara, S. M. and Kapur, V. and Weaver, E. M.	Exp: KQ 2 Not CPAP
25763792	A Randomized Controlled Study to Examine the Effect of a	Chest	Ng, S. S. S. and Chan, R. S. M. and Woo, J. and Chan, T. O. and Cheung, B. H. K. and Sea, M. M. M. and To, K. W. and	Exp: KQ 2 Not CPAP

PubMed ID	Title	Journal	Authors	Rejection Reason
	Lifestyle Modification Program in OSA		Chan, K. K. P. and Ngai, J. and Yip, W. H. and Ko, F. W. S. and Hui, D. S. C.	
31310575	Telemedicine for Continuous Positive Airway Pressure in Sleep Apnea: A Randomized, Controlled Study	Ann Am Thorac Soc	Schoch, O. D. and Baty, F. and Boesch, M. and Benz, G. and Niedermann, J. and Brutsche, M. H.	Exp: KQ 2 Not CPAP
29795528	Association between obstructive sleep apnea and erectile dysfunction: a systematic review and meta-analysis	Int J Impot Res	Kellesarian, S. V. and Malignaggi, V. R. and Feng, C. and Javed, F.	O: No outcome of interest
31480717	Blood pressure non-dipping and obstructive sleep apnea syndrome: A meta-analysis	Journal of Clinical Medicine	Cuspidi, C. and Tadic, M. and Sala, C. and Gherbesi, E. and Grassi, G. and Mancia, G.	O: No outcome of interest
27914881	Continuous positive airway pressure and diabetes risk in sleep apnea patients: A systemic review and meta-analysis	Eur J Intern Med	Chen, L. and Kuang, J. and Pei, J. H. and Chen, H. M. and Chen, Z. and Li, Z. W. and Yang, H. Z. and Fu, X. Y. and Wang, L. and Chen, Z. J. and Lai, S. Q. and Zhang, S. T.	O: No outcome of interest
20668457	Long-term nasal continuous positive airway pressure treatment lowers blood pressure in patients with obstructive sleep apnea regardless of age.	Hypertension research : official journal of the Japanese Society of Hypertension	Aihara K and Chin K and Oga T and Takahashi K and Hitomi T and Takegami M and Handa T and Niimi A and Tsuboi T and Mishima M	O: No outcome of interest
10767241	Dose-dependent effects of mandibular advancement on pharyngeal mechanics and nocturnal oxygenation in patients with sleep-disordered breathing.	Chest	Kato J and Isono S and Tanaka A and Watanabe T and Araki D and Tanzawa H and Nishino T	O: No outcome of interest
10453869	Effects of humidification on nasal symptoms and compliance in sleep apnea patients using continuous positive airway pressure.	Chest	Massie CA and Hart RW and Peralez K and Richards GN	O: No outcome of interest
10194153	Long-term use of CPAP therapy for sleep apnea/hypopnea syndrome.	American journal of respiratory and critical care medicine	McArdle N and Devereux G and Heidarnejad H and Engleman HM and Mackay TW and Douglas NJ	O: No outcome of interest
10885414	Two months auto-adjusting versus conventional nCPAP for obstructive sleep apnoea syndrome.	The European respiratory journal	Teschler H and Wessendorf TE and Farhat AA and Konietzko N and Berthon-Jones M	O: No outcome of interest

PubMed ID	Title	Journal	Authors	Rejection Reason
1945423	Obstructive sleep apnea: a comparison of continuous positive airway pressure and surgical treatment.	Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery	Anand VK and Ferguson PW and Schoen LS	O: No outcome of interest
14572126	A randomized crossover efficacy trial of oral CPAP (Oracle) compared with nasal CPAP in the management of obstructive sleep apnea.	Sleep	Anderson FE and Kingshott RN and Taylor DR and Jones DR and Kline LR and Whyte KF	O: No outcome of interest
CN-01545131	The Treatment of Obstructive Sleep Apnea With Continuous Positive Airway Pressure on Appearance and Age	https://clinicaltrials.gov/show/NCT02117271	Nct	O: No outcome of interest
21477566	Paradoxical reaction of blood pressure on sleep apnoea patients treated with Positive Airway Pressure	Revista Portuguesa de Pneumologia	Chaves Loureiroa, C. and Drummondb, M. and Winckc, J. C. and Almeida, J.	O: No outcome of interest
25660149	Predictors of Blood Pressure Fall With Continuous Positive Airway Pressure Treatment in Hypertension With Coronary Artery Disease and Obstructive Sleep Apnea	Canadian Journal of Cardiology	Huang, Z. and Liu, Z. and Luo, Q. and Zhao, Q. and Zhao, Z. and Ma, X. and Xi, Q. and Yang, D.	O: No outcome of interest
24855286	Effects of moderate-to-severe obstructive sleep apnea on the clinical manifestations of plaque vulnerability and the progression of coronary atherosclerosis in patients with acute coronary syndrome	European Heart Journal: Acute Cardiovascular Care	Nakashima, H. and Kurobe, M. and Minami, K. and Furudono, S. and Uchida, Y. and Amenomori, K. and Nunohiro, T. and Takeshita, S. and Maemura, K.	O: No outcome of interest
20689107	Safety and efficacy of pulmonary vein antral isolation in patients with obstructive sleep apnea: the impact of continuous positive airway pressure	Circ Arrhythm Electrophysiol	Patel, D. and Mohanty, P. and Di Biase, L. and Shaheen, M. and Lewis, W. R. and Quan, K. and Cummings, J. E. and Wang, P. and Al-Ahmad, A. and Venkatraman, P. and Nashawati, E. and Lakkireddy, D. and Schweikert, R. and Horton, R. and Sanchez, J. and Gallinghouse, J. and Hao, S. and Beheiry, S. and Cardinal, D. S. and Zagrodzky, J. and Canby, R. and Bailey, S. and Burkhardt, J. D. and Natale, A.	O: No outcome of interest

PubMed ID	Title	Journal	Authors	Rejection Reason
23859257	Restoring the salivary cortisol awakening response through nasal continuous positive airway pressure therapy in obstructive sleep apnea	Chronobiol Int	Ghiciuc, C. M. and Dima Cozma, L. C. and Bercea, R. M. and Lupusoru, C. E. and Mihaescu, T. and Szalontay, A. and Gianfreda, A. and Patacchioli, F. R.	O: No outcome of interest
24293768	Predictors of long-term adherence to continuous positive airway pressure therapy in patients with obstructive sleep apnea and cardiovascular disease in the SAVE study	Sleep	Chai-Coetzer, C. L. and Luo, Y. M. and Antic, N. A. and Zhang, X. L. and Chen, B. Y. and He, Q. Y. and Heeley, E. and Huang, S. G. and Anderson, C. and Zhong, N. S. and McEvoy, R. D.	O: No outcome of interest
24327037	Effect of CPAP on blood pressure in patients with obstructive sleep apnea and resistant hypertension: the HIPARCO randomized clinical trial	Jama	Martinez-Garcia, M. A. and Capote, F. and Campos-Rodriguez, F. and Lloberes, P. and Diaz de Atauri, M. J. and Somoza, M. and Masa, J. F. and Gonzalez, M. and Sacristan, L. and Barbe, F. and Duran-Cantolla, J. and Aizpuru, F. and Manas, E. and Barreiro, B. and Mosteiro, M. and Cebrian, J. J. and de la Pena, M. and Garcia-Rio, F. and Maimo, A. and Zapater, J. and Hernandez, C. and Grau SanMarti, N. and Montserrat, J. M.	O: No outcome of interest
24503600	Obstructive sleep apnea and risk of cardiovascular events and all-cause mortality: a decade-long historical cohort study	PLoS Med	Kendzerska, T. and Gershon, A. S. and Hawker, G. and Leung, R. S. and Tomlinson, G.	O: No outcome of interest
24705611	Clinical outcomes and cost-effectiveness of continuous positive airway pressure to manage obstructive sleep apnea in patients with type 2 diabetes in the U.K	Diabetes Care	Guest, J. F. and Panca, M. and Sladkevicius, E. and Taheri, S. and Stradling, J.	O: No outcome of interest
24733980	Blood pressure improvement with continuous positive airway pressure is independent of obstructive sleep apnea severity	J Clin Sleep Med	Bakker, J. P. and Edwards, B. A. and Gautam, S. P. and Montesi, S. B. and Duran-Cantolla, J. and Aizpuru, F. and Barbe, F. and Sanchez-de-la-Torre, M. and Malhotra, A.	O: No outcome of interest
24881587	Adaptive servo-ventilation therapy improves long-term prognosis in heart failure patients with anemia and sleep-disordered breathing	Int Heart J	Suzuki, S. and Yoshihisa, A. and Miyata, M. and Sato, T. and Yamaki, T. and Sugimoto, K. and Kunii, H. and Nakazato, K. and Suzuki, H. and Saitoh, S. and Takeishi, Y.	O: No outcome of interest
24947425	Effect of CPAP on blood pressure in patients with minimally	Thorax	Bratton, D. J. and Stradling, J. R. and Barbe, F. and Kohler, M.	O: No outcome of interest

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	symptomatic obstructive sleep apnoea: a meta-analysis using individual patient data from four randomised controlled trials			
24976980	Nocturnal pulse rate and symptomatic response in patients with obstructive sleep apnoea treated with continuous positive airway pressure for one year	J Thorac Dis	Pengo, M. F. and Drakatos, P. and Kosky, C. and Williams, A. and Hart, N. and Rossi, G. P. and Steier, J.	O: No outcome of interest
25189572	Obstructive sleep apnea is associated with future subclinical carotid artery disease: thirteen-year follow-up from the Wisconsin sleep cohort	Arterioscler Thromb Vasc Biol	Gunnarsson, S. I. and Peppard, P. E. and Korcarz, C. E. and Barnet, J. H. and Aeschlimann, S. E. and Hagen, E. W. and Young, T. and Hla, K. M. and Stein, J. H.	O: No outcome of interest
25243523	Effects of continuous positive airway pressure on blood pressure in patients with resistant hypertension and obstructive sleep apnea: a meta-analysis	J Hypertens	Iftikhar, I. H. and Valentine, C. W. and Bittencourt, L. R. and Cohen, D. L. and Fedson, A. C. and Gislason, T. and Penzel, T. and Phillips, C. L. and Yu-sheng, L. and Pack, A. I. and Magalang, U. J.	O: No outcome of interest
25276145	Effects of continuous positive airway pressure treatment on glycaemic control and insulin sensitivity in patients with obstructive sleep apnoea and type 2 diabetes: a meta-analysis	Arch Med Sci	Chen, L. and Pei, J. H. and Chen, H. M.	O: No outcome of interest
25719929	Effects of continuous positive airway pressure therapy on glycaemic control, insulin sensitivity and body mass index in patients with obstructive sleep apnoea and type 2 diabetes: a systematic review and meta-analysis	NPJ Prim Care Respir Med	Feng, Y. and Zhang, Z. and Dong, Z. Z.	O: No outcome of interest
26212231	Association between sleep-disordered breathing, obstructive sleep apnea, and cancer incidence: a systematic review and meta-analysis	Sleep Med	Palamaner Subash Shantha, G. and Kumar, A. A. and Cheskin, L. J. and Pancholy, S. B.	O: No outcome of interest

PubMed ID	Title	Journal	Authors	Rejection Reason
26225487	Longitudinal Effect of CPAP on BP in Resistant and Nonresistant Hypertension in a Large Clinic-Based Cohort	Chest	Walia, H. K. and Griffith, S. D. and Foldvary-Schaefer, N. and Thomas, G. and Bravo, E. L. and Moul, D. E. and Mehra, R.	O: No outcome of interest
26396261	Beneficial Effects of Long-Term CPAP Treatment on Sleep Quality and Blood Pressure in Adherent Subjects With Obstructive Sleep Apnea	Respir Care	Yang, M. C. and Huang, Y. C. and Lan, C. C. and Wu, Y. K. and Huang, K. F.	O: No outcome of interest
26620900	The Efficacy of Continuous Positive Airway Pressure Therapy on Nocturia in Patients With Obstructive Sleep Apnea: A Systematic Review and Meta-Analysis	Int Neurourol J	Wang, T. and Huang, W. and Zong, H. and Zhang, Y.	O: No outcome of interest
26624827	CPAP vs Mandibular Advancement Devices and Blood Pressure in Patients With Obstructive Sleep Apnea: A Systematic Review and Meta-analysis	Jama	Bratton, D. J. and Gaisl, T. and Wons, A. M. and Kohler, M.	O: No outcome of interest
26727475	Effect of a Heated Breathing Tube on Efficacy, Adherence and Side Effects during Continuous Positive Airway Pressure Therapy in Obstructive Sleep Apnea	Respiration	Galetke, W. and Nothofer, E. and Priegnitz, C. and Anduleit, N. and Randerath, W.	O: No outcome of interest
27406181	Effect of CPAP on cardiovascular risks in OSA patients. A 4-year follow-up, preliminary data	Sleep Breath	Carratu, P. and Zito, A. and Dragonieri, S. and Ciccone, M. M. and Resta, O.	O: No outcome of interest
27732758	Asthma outcomes improve with continuous positive airway pressure for obstructive sleep apnea	Allergy	Serrano-Pariente, J. and Plaza, V. and Soriano, J. B. and Mayos, M. and Lopez-Vina, A. and Picado, C. and Vigil, L.	O: No outcome of interest
27810185	Continuous positive airway pressure treatment impact on memory processes in obstructive sleep apnea patients: a randomized sham-controlled trial	Sleep Med	Joyeux-Faure, M. and Naegele, B. and Pepin, J. L. and Tamisier, R. and Levy, P. and Launois, S. H.	O: No outcome of interest

PubMed ID	Title	Journal	Authors	Rejection Reason
28408103	Effect of CPAP on diastolic function in coronary artery disease patients with nonsleepy obstructive sleep apnea: A randomized controlled trial	Int J Cardiol	Glantz, H. and Johansson, M. C. and Thunstrom, E. and Guron, C. W. and Uzel, H. and Saygin, M. and Herlitz, J. and Peker, Y.	O: No outcome of interest
28484904	Is Obstructive Sleep Apnoea Related to Neuropsychological Function in Healthy Older Adults? A Systematic Review and Meta-Analysis	Neuropsychol Rev	Cross, N. and Lampit, A. and Pye, J. and Grunstein, R. R. and Marshall, N. and Naismith, S. L.	O: No outcome of interest
28560832	Effects of a lifestyle intervention on REM sleep-related OSA severity in obese individuals with type 2 diabetes	J Sleep Res	Shechter, A. and Foster, G. D. and Lang, W. and Reboussin, D. M. and St-Onge, M. P. and Zammit, G. and Newman, A. B. and Millman, R. P. and Wadden, T. A. and Jakicic, J. M. and Strotmeyer, E. S. and Wing, R. R. and Pi-Sunyer, F. X. and Kuna, S. T.	O: No outcome of interest
28701992	Verifying the Relative Efficacy between Continuous Positive Airway Pressure Therapy and Its Alternatives for Obstructive Sleep Apnea: A Network Meta-analysis	Front Neurol	Liu, T. and Li, W. and Zhou, H. and Wang, Z.	O: No outcome of interest
28767770	Effects of continuous positive airway pressure on blood pressure in patients with resistant hypertension and obstructive sleep apnea: a systematic review and meta-analysis of six randomized controlled trials	J Bras Pneumol	Lei, Q. and Lv, Y. and Li, K. and Ma, L. and Du, G. and Xiang, Y. and Li, X.	O: No outcome of interest
28812180	Effect of continuous positive airway pressure on glucose metabolism in adults with type 2 diabetes: a systematic review and meta-analysis of randomized controlled trials	Sleep Breath	Zhu, B. and Ma, C. and Chaiard, J. and Shi, C.	O: No outcome of interest
19480232	Comparison of mandibular advancement splint and tongue stabilizing device in obstructive sleep apnea: a randomized controlled trial.	Sleep	Deane SA and Cistulli PA and Ng AT and Zeng B and Petocz P and Darendeliler MA	O: No outcome of interest

PubMed ID	Title	Journal	Authors	Rejection Reason
19786682	A randomized study on the effect of weight loss on obstructive sleep apnea among obese patients with type 2 diabetes: the Sleep AHEAD study.	Archives of internal medicine	Foster GD and Borradaile KE and Sanders MH and Millman R and Zammit G and Newman AB and Wadden TA and Kelley D and Wing RR and Pi-Sunyer FX and Reboussin D and Kuna ST	O: No outcome of interest
19234106	Effects of oropharyngeal exercises on patients with moderate obstructive sleep apnea syndrome.	American journal of respiratory and critical care medicine	Guimaraes KC and Drager LF and Genta PR and Marcondes BF and Lorenzi-Filho G	O: No outcome of interest
19959590	Effect of a very low energy diet on moderate and severe obstructive sleep apnoea in obese men: a randomised controlled trial.	BMJ (Clinical research ed.)	Johansson K and Neovius M and Lagerros YT and Harlid R and Rossner S and Granath F and Hemmingsson E	O: No outcome of interest
19608589	A randomised controlled trial of nasal continuous positive airway pressure on insulin sensitivity in obstructive sleep apnoea.	The European respiratory journal	Lam JC and Lam B and Yao TJ and Lai AY and Ooi CG and Tam S and Lam KS and Ip MS	O: No outcome of interest
19218664	Mask leakage in continuous positive airway pressure and C-Flex.	Journal of physiology and pharmacology : an official journal of the Polish Physiological Society	Leidag M and Hader C and Keller T and Meyer Y and Rasche K	O: No outcome of interest
19944893	Surgery vs ventilation in adult severe obstructive sleep apnea syndrome.	American journal of otolaryngology	Vicini C and Dallan I and Campanini A and De Vito A and Barbanti F and Giorgiomarrano G and Bosi M and Plazzi G and Provini F and Lugaresi E	O: No outcome of interest
31240541	APAP therapy does not improve impaired sleep quality and sympatho-vagal balance: a randomized trial in patients with obstructive sleep apnea and systolic heart failure	Sleep Breath	Spiesshoefer, J. and Aries, J. and Giannoni, A. and Emdin, M. and Fox, H. and Boentert, M. and Bitter, T. and Oldenburg, O.	O: No outcome of interest
28594570	Obstructive Sleep Apnea and Retinopathy in Patients with Type 2 Diabetes. A Longitudinal Study	Am J Respir Crit Care Med	Altaf, Q. A. and Dodson, P. and Ali, A. and Raymond, N. T. and Wharton, H. and Fellows, H. and Hampshire-Bancroft, R. and Shah, M. and Shepherd, E. and Miah, J. and Barnett, A. H. and Tahrani, A. A.	O: No outcome of interest
abstract	Effects of cpap therapy on blood pressure variability (bpv) in people with comorbid obstructive sleep apnoea (osa) and cardiovascular disease (CVD): save trial	Sleep medicine	Van Ryswyk, E. and Quan, W. and Meng, R. and Li, Q. and Anderson, C. and Woodman, R. and Loffler, K. and Zheng, D. and McEvoy, R. D.	O: No outcome of interest

PubMed ID	Title	Journal	Authors	Rejection Reason
abstract	Effect of treatment of mild obstructive sleep apnea on quality of life, mood and sustained attention: randomized, parallel, single-blind and controlled study	American journal of respiratory and critical care medicine	Azeredo Bittencourt, L. and Luz, G. and Guimaraes, T. and Silva, L. and Badke, L. and Millani, A. and Tufik, S. and Nery, L. E.	O: No outcome of interest
29729860	Is ventilatory therapy combined with exercise training effective in patients with heart failure and sleep-disordered breathing? Results of a randomized trial during a cardiac rehabilitation programme (SATELIT-HF)	Archives of cardiovascular diseases	Iliou, M. C. and Corone, S. and Gellen, B. and Denolle, T. and Roche, F. and Nelson, A. C. and DarnV©, C.	O: No outcome of interest
abstract	Effect of 12 weeks continuous positive airway pressure on day and night arterial stiffness in patients with type 2 diabetes and obstructive sleep apnoea, a randomised trial	Diabetologia	Krogager, C. and Banghoj, A. and Poulsen, P. L. and Kirkegaard, M. G. and Tarnow, L. and Hansen, K. W. and Laugesen, E.	O: No outcome of interest
abstract	Telemetrically triggered interventions in the first month of CPAP: 6-months results of a prospective, randomized controlled trial	Respiration; international review of thoracic diseases	Schoch, O. D. and Baty, F. and Benz, G. and Niedermann, J. and Brutsche, M. H.	O: No outcome of interest
abstract	Effect of CPAP on blood pressure variability in obstructive sleep apnea and cardiovascular disease	Journal of sleep research	Ryswyk, E. V. and Anderson, C. and Arima, H. and Barbe, F. and Chen, R. and Heeley, E. and Liu, Z. and Loffler, K. and Lorenzi-Filho, G. and Luo, Y. and et al.	O: No outcome of interest
abstract	Cardiovascular effects of a mandibular advancement device versus continuous positive airway pressure in moderate obstructive sleep apnea	European respiratory journal	De Vries, G. E. and Hoekema, A. and Houwerzijl, E. and Jacobs, W. and Van Der Maten, J. and Stegenga, B. and Kerstjens, H. and Wijkstra, P.	O: No outcome of interest
abstract	Daytime sleepiness and physical activity in adults with type 2 diabetes and OSA treated with CPAP	Sleep	Luyster, F. and Shi, X. and Atwood, C. and Sereika, S. and Strollo, P. and Stansbury, R. and Chasens, E.	O: No outcome of interest
19770425	First-choice treatment in mild to moderate obstructive sleep apnea: single-stage, multilevel, temperature-controlled	Archives of otolaryngology--head & neck surgery	Ceylan K and Emir H and Kizilkaya Z and Tastan E and Yavanoglu A and Uzunkulaoglu H and Samim E and Felek SA	O: No outcome of interest

PubMed ID	Title	Journal	Authors	Rejection Reason
	radiofrequency tissue volume reduction or nasal continuous positive airway pressure.			
8184	Comparison of atenolol and propranolol during insulin-induced hypoglycaemia.	British medical journal	Deacon SP and Barnett D	O: No outcome of interest
26424500	Renoprotective effects of continuous positive airway pressure in chronic kidney disease patients with sleep apnea	Int Urol Nephrol	Puckrin, R. and Iqbal, S. and Zidulka, A. and Vasilevsky, M. and Barre, P.	O: No outcome of interest
25994924	Sleep apnea and venous thromboembolism. A systematic review	Thromb Haemost	Lippi, G. and Mattiuzzi, C. and Franchini, M.	O: No outcome of interest
24156237	Sleep apnea is associated with subclinical myocardial injury in the community. The ARIC-SHHS study	Am J Respir Crit Care Med	Querejeta Roca, G. and Redline, S. and Punjabi, N. and Claggett, B. and Ballantyne, C. M. and Solomon, S. D. and Shah, A. M.	O: No outcome of interest
22686135	The association between anxiety and the degree of illness in mild obstructive sleep apnoea	Clin Respir J	Lehto, S. M. and Sahlman, J. and Soini, E. J. and Gylling, H. and Vanninen, E. and Seppa, J. and Viinamaki, H. and Tuomilehto, H.	O: No outcome of interest
22334806	Diagnosis and treatment of sleep apnea in patients' homes: The rationale and methods of the 'GoToSleep' randomized-controlled trial	Journal of Clinical Sleep Medicine	Bravata, D. M. and Ferguson, J. and Miech, E. J. and Agarwal, R. and McClain, V. and Austin, C. and Struve, F. and Foresman, B. and Li, X. and Wang, Z. and Williams, L. S. and Dallas, M. I. and Couch, C. D. and Sico, J. and Fragoso, C. and Matthias, M. S. and Chumbler, N. and Myers, J. and Burrus, N. and Dube, A. and French, D. D. and Schmid, A. A. and Concato, J. and Yaggi, H. K.	O: No outcome of interest
21121505	The association between obstructive sleep apnea syndrome and microvascular complications in well-controlled diabetic patients	Mil Med	Kosseifi, S. and Bailey, B. and Price, R. and Roy, T. M. and Byrd, R. P., Jr. and Peiris, A. N.	O: No outcome of interest
abstract	The relationship between continuous positive airway pressuretreatment in obstructive sleep apnea syndromepatients and sensorineural hearing loss: A prospective cohort study	Sleep	Chi, J. C. Y. and Hua, T. and Liu, S. Y.	O: No outcome of interest

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20574423	Effects of long-term treatment for obstructive sleep apnea on pulse wave velocity	Hypertens Res	Saito, T. and Sugiyama, S. and Asai, K. and Yasutake, M. and Mizuno, K.	O: No outcome of interest
21538074	Long-term oral appliance therapy in obstructive sleep apnea syndrome: a controlled study on temporomandibular side effects	Clin Oral Investig	Doff, M. H. and Veldhuis, S. K. and Hoekema, A. and Slater, J. J. and Wijkstra, P. J. and de Bont, L. G. and Stegenga, B.	O: No outcome of interest
22562077	Long-term oral appliance therapy in obstructive sleep apnea syndrome: a controlled study on dental side effects	Clin Oral Investig	Doff MH, Finnema KJ, Hoekema A, et al.	O: No outcome of interest
22263035	The sleep apnea cardiovascular endpoints (SAVE) trial: Rationale and start-up phase	J Thorac Dis	McEvoy, R. D. and Anderson, C. S. and Antic, N. A. and Chen, B. and He, Q. and Heeley, E. and Huang, S. and Huang, Y. and Wang, J. and Zhong, N.	O: No outcome of interest
22945541	Stage-matched intervention for adherence to CPAP in patients with obstructive sleep apnea: a randomized controlled trial	Sleep Breath	Deng, T. and Wang, Y. and Sun, M. and Chen, B.	O: No outcome of interest
23066358	Effects of positive airway pressure treatment on clinical measures of hypertension and type 2 diabetes	J Clin Sleep Med	Prasad, B. and Carley, D. W. and Krishnan, J. A. and Weaver, T. E. and Weaver, F. M.	O: No outcome of interest
9231954	Compliance with nasal CPAP can be improved by simple interventions.	Sleep	Chervin RD and Theut S and Bassetti C and Aldrich MS	O: No outcome of interest
8769497	A crossover study comparing the efficacy of continuous positive airway pressure with anterior mandibular positioning devices on patients with obstructive sleep apnea.	Chest	Clark GT and Blumenfeld I and Yoffe N and Peled E and Lavie P	O: No outcome of interest
11282765	Effect of nasal continuous positive airway pressure on neuropsychological function in sleep apnea-hypopnea syndrome. A randomized, placebo-controlled trial.	American journal of respiratory and critical care medicine	Henke KG and Grady JJ and Kuna ST	O: No outcome of interest
10947032	A long-term randomized, cross-over comparison of auto-titrating	Sleep	Hudgel DW and Fung C	O: No outcome of interest

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	and standard nasal continuous airway pressure.			
11451834	Determinants of continuous positive airway pressure compliance in a group of Chinese patients with obstructive sleep apnea.	Chest	Hui DS and Choy DK and Li TS and Ko FW and Wong KK and Chan JK and Lai CK	O: No outcome of interest
8681614	Nasal-CPAP, surgery, and conservative management for treatment of obstructive sleep apnea syndrome. A randomized study.	Chest	Lojander J and Maasilta P and Partinen M and Brander PE and Salmi T and Lehtonen H	O: No outcome of interest
11254519	Autoadjusting CPAP therapy based on impedance efficacy, compliance and acceptance.	American journal of respiratory and critical care medicine	Randerath WJ and Schraeder O and Galetke W and Feldmeyer F and Ruhle KH	O: No outcome of interest
9341056	Efficacy of automatic continuous positive airway pressure therapy that uses an estimated required pressure in the treatment of the obstructive sleep apnea syndrome.	Annals of internal medicine	Series F and Marc I	O: No outcome of interest
2086548	Response to CPAP and UPPP in apnea.	Henry Ford Hospital medical journal	Zorick FJ and Roehrs T and Conway W and Potts G and Roth T	O: No outcome of interest
23409736	Residual sleepiness in sleep apnea patients treated by continuous positive airway pressure	J Sleep Res	Gasa, M. and Tamisier, R. and Launois, S. H. and Sapene, M. and Martin, F. and Stach, B. and Grillet, Y. and Levy, P. and Pepin, J. L.	O: No outcome of interest
27997271	Improvement in Physical Activity in Persons With Obstructive Sleep Apnea Treated With Continuous Positive Airway Pressure	J Phys Act Health	Jean, R. E. and Duttuluri, M. and Gibson, C. D. and Mir, S. and Fuhrmann, K. and Eden, E. and Supariwala, A.	O: No outcome of interest
28743190	Effect of Obstructive Sleep Apnea Treatment on Renal Function in Patients with Cardiovascular Disease	Am J Respir Crit Care Med	Loffler, K. A. and Heeley, E. and Freed, R. and Anderson, C. S. and Brockway, B. and Corbett, A. and Chang, C. L. and Douglas, J. A. and Ferrier, K. and Graham, N. and Hamilton, G. S. and Hlavac, M. and McArdle, N. and McLachlan, J. and Mukherjee, S. and Naughton, M. T. and Thien, F. and Young, A. and Grunstein, R. R. and Palmer, L. J. and Woodman, R. J. and Hanly, P. J. and McEvoy, R. D.	O: No outcome of interest

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30170662	Role of obstructive sleep apnea on the response to cardiac resynchronization therapy and all-cause mortality	Heart Rhythm	Shantha, G. and Mentias, A. and Pothineni, N. V. K. and Bhave, P. D. and Rasmussen, T. and Deshmukh, A. and Pelosi, F. and Giudici, M.	O: No outcome of interest
30324547	Obstructive sleep apnea and self-reported functional impairment in revascularized patients with coronary artery disease in the RICCADSA trial	Sleep Breath	Baniak, L. M. and Chasens, E. R. and Luyster, F. S. and Strollo, P. J., Jr. and Thunstrom, E. and Peker, Y.	O: No outcome of interest
31428034	Factors Influencing Adherence to Auto-CPAP: An Observational Monocentric Study Comparing Patients With and Without Cardiovascular Diseases	Front Neurol	Nsair, A. and Hupin, D. and Chomette, S. and Barthelemy, J. C. and Roche, F.	O: No outcome of interest
21252389	A randomised controlled trial to evaluate a simplified model of care for obstructive sleep apnea in general practice	Journal of sleep research	Chai-Coetzer, C. L. and Antic, N. and Rowland, L. S. and Reed, R. and Esterman, A. and Vowles, N. and Williams, H. and Dunn, S. and McEvoy, R. D.	O: No outcome of interest
abstract	The impact of continuous positive airway pressure (CPAP) therapy on cognitive function in older people with sleep disordered breathing (SDB) and co morbidity	Thorax	McMillan, A. and Paniccia, L. and Glasser, M. and Edison, P. and Simonds, A. K. and Morrell, M. J.	O: No outcome of interest
abstract	Obstructive sleep apnea and adherence to CPAP in coronary artery disease without daytime sleepiness: RICCADSA trial	Scandinavian cardiovascular journal.	Glantz, H. and Thunstrom, E. and Cederin, B. and Kallryd, A. and Ejdeback, J. and Herlitz, J. and Peker, Y.	O: No outcome of interest
abstract	Infectious complications associated with the use of CPAP in patients with sleep apneahipopnea sindrome	European respiratory journal	Zamora, T. S. and Martinez, P. M. and Colinas, C. M. V. and Lucas, J. A. R. and Lopez, F. J. R. and Martinez, J. H. and Martinez, M. C. A. and Aviles, M. C. C. and Ingles, M. J. A. and Alvarado, D. M. and et al.	O: No outcome of interest
abstract	2-years follow-up (FU) Results of ORCADES study: longterm mandibular repositioning device (MRD) therapy in patients treated for Obstructive Sleep Apnea (OSA)	Journal of sleep research	D'Ortho, M. P. and Attali, V. and Collet, J. M. and Goutorbe, F. and Kerbrat, J. B. and Khemliche, H. and Leger, D. and Lerousseau, L. and Martin, F. and Meurice, J. C. and et al.	O: No outcome of interest

PubMed ID	Title	Journal	Authors	Rejection Reason
abstract	Effect of positive airway pressure on diastolic function in coronary artery disease patients with non-sleepy obstructive sleep apnea	European respiratory journal	Peker, Y. and Glantz, H. and Thunstrom, E. and Guron, C. W. and Uzel, H. and Saygin, M. and Herlitz, J. and Johansson, M.	O: No outcome of interest
abstract	The sleep apnea cardiovascular endpoints (SAVE) study results-a trial of CPAP versus usual care in 2717 high cardiovascular risk patients with moderate-severe obstructive sleep apnea (OSA)	European respiratory journal	McEvoy, R. D. and Antic, N. and Heeley, E. and Luo, Y. and Mediano, O. and McArdle, N. and Tripathi, M. and Lorenzi-Filho, G. and Zhong, N. and Anderson, C. S.	O: No outcome of interest
abstract	Improved compliance in patients diagnosed with OSA and co-morbid PTSD through a new CPAP delivery platform	Sleep	Shaha, D. and Costan-Toth, C. and Terry, S. and Butler, G. and Sheikh, K. and Robertson, B. and Collen, J. and Williams, S. and Golden, D. and Andrada, T. and et al.	O: No outcome of interest
abstract	Continuous positive airway pressure efficiency in apneic patients with resistant hypertension: results from the randomized controlled rhoosas study	American journal of respiratory and critical care medicine	Pepin, J. L. and Joyeux-Faure, M. and Baguet, J. P. and Barone-Rochette, G. and Faure, P. and Sosner, P. and Mounier-Vehier, C. and Levy, P. and Tamisier, R.	O: No outcome of interest
29707392	Cardiovascular Risk Assessment in a Cohort of Newly Diagnosed Patients with Obstructive Sleep Apnea Syndrome	Cardiol Res Pract	Archontogeorgis, K. and Voulgaris, A. and Nena, E. and Strempela, M. and Karailidou, P. and Tzouvelekis, A. and Mouemin, T. and Xanthoudaki, M. and Steiropoulos, S. and Froudarakis, M. E. and Steiropoulos, P.	O: No outcome of interest
26715403	Commercial motor vehicle driver positive airway pressure therapy adherence in a sleep center	Journal of Clinical Sleep Medicine	Colvin, L. J. and Dace, G. A. and Colvin, R. M. and Ojile, J. and Collop, N.	O: No outcome of interest
30813163	Effect of 12-month nasal continuous positive airway pressure therapy for obstructive sleep apnea on progression of chronic kidney disease	Medicine	Li, X. and Liu, C. and Zhang, H. and Zhang, J. and Zhao, M. and Sun, D. and Xia, M. and Han, M.	O: No outcome of interest
23321601	Effect of CPAP on the metabolic syndrome: a randomised sham-controlled study	Thorax	Hoyos, C. M. and Sullivan, D. R. and Liu, P. Y.	O: No outcome of interest
24810973	Continuous positive airway pressure is associated with a decrease in pulmonary artery pressure in patients with	Respirology	Sun, X. and Luo, J. and Xiao, Y.	O: No outcome of interest

PubMed ID	Title	Journal	Authors	Rejection Reason
	obstructive sleep apnoea: a meta-analysis			
24879492	A randomized controlled study of CPAP effect on plasma aldosterone concentration in patients with resistant hypertension and obstructive sleep apnea	J Hypertens	Lloberes, P. and Sampol, G. and Espinel, E. and Segarra, A. and Ramon, M. A. and Romero, O. and Ferrer, R. and Martinez-Garcia, M. A. and Tovar, J. L.	O: No outcome of interest
25084263	The antihypertensive effect of positive airway pressure on resistant hypertension of patients with obstructive sleep apnea: a randomized, double-blind, clinical trial	Am J Respir Crit Care Med	de Oliveira, A. C. and Martinez, D. and Massierer, D. and Gus, M. and Goncalves, S. C. and Ghizzoni, F. and Steinhorst, A. M. and Moreira, L. B. and Fuchs, S. C. and Fuchs, F. D.	O: No outcome of interest
25923226	Comparison of Efficacy and Tolerance of Automatic Continuous Positive Airway Pressure Devices With the Optimum Continuous Positive Airway Pressure	Am J Ther	Tommi, G. and Aronow, W. S. and Sheehan, J. C. and McCleay, M. T. and Meyers, P. G.	O: No outcome of interest
26278919	Continuous Positive Airway Pressure in Patients With Obstructive Sleep Apnea and Resistant Hypertension: A Meta-Analysis of Randomized Controlled Trials	J Clin Hypertens (Greenwich)	Liu, L. and Cao, Q. and Guo, Z. and Dai, Q.	O: No outcome of interest
abstract	Effect of positive airway pressure (PAP) on the daily burden of COPD respiratory symptoms in patients with COPD and OSA	American Journal of Respiratory and Critical Care Medicine	Criner, R. and Criner, A. J. and Rybicki, K. and Smith, H. and Criner, G. J.	O: No outcome of interest
	Short-term blood pressure variability in hypertensive patients with obstructive sleep apnea syndrome	Sleep and Biological Rhythms	Sasaki, N. and Ozono, R. and Edahiro, Y. and Okita, T. and Teramen, K. and Kisaka, T. and Fujiwara, S. and Kihara, Y.	O: No outcome of interest
abstract	Relationships between hypertension continuous positive airway pressure cardiovascular events and obstructive sleep apnoea in guadeloupe (French west Indies)	Journal of Hypertension	Billy Brissac, R. and Phira, S.	O: No outcome of interest

PubMed ID	Title	Journal	Authors	Rejection Reason
abstract	Impact on oral myofunctional therapy to treat the patients with moderate to severe obstructive sleep apnea	Sleep	Suzuki, M. and Okamoto, T. and Akagi, Y. and Sekiguchi, H. and Matsui, K. and Satoya, N. and Inoue, Y. and Tatsuta, A. and Hagiwara, N.	O: No outcome of interest
28217508	Obstructive sleep apnea in Type 2 diabetes and impact of continuous positive airway pressure therapy on glycemic control	Indian Journal of Endocrinology and Metabolism	Malik, J. and Masoodi, S. and Shoib, S.	O: No outcome of interest
abstract	Blood pressure effects of obstructive sleep apnea treatment by continuous positive airway pressure: Systematic review, metaanalysis and evaluation of phenotypes predicting response	Journal of Hypertension	Pengo, M. and Soranna, D. and Giontella, A. and Perger, E. and Schwarz, E. I. and Lombardi, C. and Bilo, G. and Zambon, A. and Steier, J. and Minuz, P. and Parati, G. and Fava, C.	O: No outcome of interest
29762755	Obstructive sleep apnea during rapid eye movement sleep is associated with early signs of atherosclerosis in women	Sleep	Ljunggren, M. and Lindberg, E. and Franklin, K. A. and Ohagen, P. and Larsson, M. and Theorell-Haglow, J. and Naessen, T.	O: No outcome of interest
30166323	Continuous positive airway pressure effect on visual acuity in patients with type 2 diabetes and obstructive sleep apnoea: a multicentre randomised controlled trial	Eur Respir J	West, S. D. and Prudon, B. and Hughes, J. and Gupta, R. and Mohammed, S. B. and Gerry, S. and Stradling, J. R.	O: No outcome of interest
30203008	The Association of Obstructive Sleep Apnea and Pain Outcomes in Adults: A Systematic Review	Pain Med	Charokopos, A. and Card, M. E. and Gunderson, C. and Steffens, C. and Bastian, L. A.	O: No outcome of interest
30353812	Defining the Core Components of a Clinical Review of People Using Continuous Positive Airway Pressure Therapy to Treat Obstructive Sleep Apnea: An International e-Delphi Study	J Clin Sleep Med	Murphie, P. and Little, S. and Paton, R. and McKinstry, B. and Pinnock, H.	O: No outcome of interest
31463779	Effects of continuous positive airway pressure therapy on daytime and nighttime arterial blood pressure in patients with	Sleep Breath	Bischof, F. and Egresits, J. and Schulz, R. and Randerath, W. J. and Galetke, W. and Budweiser, S. and Nilius, G. and Arzt, M. and Hetzenecker, A.	O: No outcome of interest

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	severe obstructive sleep apnea and endothelial dysfunction			
16009798	Obstructive sleep apnea syndrome affects left ventricular diastolic function: effects of nasal continuous positive airway pressure in men.	Circulation	Arias MA and Garcia-Rio F and Alonso-Fernandez A and Mediano O and Martinez I and Villamor J	O: No outcome of interest
18795367	The impact of CPAP on cardiovascular biomarkers in minimally symptomatic patients with obstructive sleep apnea: a pilot feasibility randomized crossover trial.	Lung	Comondore VR and Cheema R and Fox J and Butt A and John Mancini GB and Fleetham JA and Ryan CF and Chan S and Ayas NT	O: No outcome of interest
17251237	Cardiovascular and metabolic effects of CPAP in obese males with OSA.	The European respiratory journal	Coughlin SR and Mawdsley L and Mugarza JA and Wilding JP and Calverley PM	O: No outcome of interest
18390635	Continuous positive airway pressure improves vascular function in obstructive sleep apnoea/hypopnoea syndrome: a randomised controlled trial.	Thorax	Cross MD and Mills NL and Al-Abri M and Riha R and Vennelle M and Mackay TW and Newby DE and Douglas NJ	O: No outcome of interest
19129293	Compliance in sleep apnoea therapy: influence of home care support and pressure mode.	The European respiratory journal	Damjanovic D and Fluck A and Bremer H and Muller-Quernheim J and Idzko M and Sorichter S	O: No outcome of interest
18551327	Longitudinal comparison study of pressure relief (C-Flex) vs. CPAP in OSA patients.	Sleep & breathing = Schlaf & Atmung	Dolan DC and Okonkwo R and Gfullner F and Hansbrough JR and Strobel RJ and Rosenthal L	O: No outcome of interest
17556718	Effects of continuous positive airway pressure on early signs of atherosclerosis in obstructive sleep apnea.	American journal of respiratory and critical care medicine	Drager LF and Bortolotto LA and Figueiredo AC and Krieger EM and Lorenzi GF	O: No outcome of interest
17148931	Comparison of automatic and continuous positive airway pressure in a night-by-night analysis: a randomized, crossover study.	Respiration; international review of thoracic diseases	Galetke W and Anduleit N and Richter K and Stieglitz S and Randerath WJ	O: No outcome of interest
15453552	Oral appliance therapy reduces blood pressure in obstructive sleep apnea: a randomized, controlled trial.	Sleep	Gotsopoulos H and Kelly JJ and Cistulli PA	O: No outcome of interest

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19014072	Prospective randomized study of patients with insomnia and mild sleep disordered breathing.	Sleep	Guilleminault C and Davis K and Huynh NT	O: No outcome of interest
14551167	Endothelial function in obstructive sleep apnea and response to treatment.	American journal of respiratory and critical care medicine	Ip MS and Tse HF and Lam B and Tsang KW and Lam WK	O: No outcome of interest
15733510	Clinical audit of subjects with snoring & sleep apnoea/hypopnoea syndrome fitted with mandibular repositioning splint.	Respiratory medicine	Izci B and McDonald JP and Coleman EL and Mackay TW and Douglas NJ and Engleman HM	O: No outcome of interest
15716221	CPAP compliance: video education may help!	Sleep medicine	Jean Wiese H and Boethel C and Phillips B and Wilson JF and Peters J and Viggiano T	O: No outcome of interest
15033131	A cognitive-behavioral weight reduction program in the treatment of obstructive sleep apnea syndrome with or without initial nasal CPAP: a randomized study.	Sleep medicine	Kajaste S and Brander PE and Telakivi T and Partinen M and Mustajoki P	O: No outcome of interest
12660387	Cardiovascular effects of continuous positive airway pressure in patients with heart failure and obstructive sleep apnea.	The New England journal of medicine	Kaneko Y and Floras JS and Usui K and Plante J and Tkacova R and Kubo T and Ando S and Bradley TD	O: No outcome of interest
14592306	A prospective 8 week trial of nasal interfaces vs. a novel oral interface (Oracle) for treatment of obstructive sleep apnea hypopnea syndrome.	Sleep medicine	Khanna R and Kline LR	O: No outcome of interest
14694248	Intranasal corticosteroid therapy for obstructive sleep apnoea in patients with co-existing rhinitis.	Thorax	Kiely JL and Nolan P and McNicholas WT	O: No outcome of interest
17898015	Randomised trial of nasal surgery for fixed nasal obstruction in obstructive sleep apnoea.	The European respiratory journal	Koutsourelakis I and Georgoulopoulos G and Perraki E and Vagiakis E and Roussos C and Zakynthinos SG	O: No outcome of interest
16564210	Simple interventions improve re-attendance when treating the sleep apnoea syndrome.	Sleep medicine	Lewis KE and Bartle IE and Watkins AJ and Seale L and Ebden P	O: No outcome of interest
16676791	Effect of continuous positive airway pressure versus	Sleep	Loredo JS and Ancoli-Israel S and Kim EJ and Lim WJ and Dimsdale JE	O: No outcome of interest

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	supplemental oxygen on sleep quality in obstructive sleep apnea: a placebo-CPAP-controlled study.			
15165530	Preference for fixed or automatic CPAP in patients with obstructive sleep apnea syndrome.	Sleep medicine	Marrone O and Resta O and Salvaggio A and Giliberti T and Stefano A and Insalaco G	O: No outcome of interest
17040007	Nocturnal overdrive pacing for the treatment of sleep apnea syndrome.	Sleep	Melzer C and Fietze I and Duru F and Glos M and Lemola K and Bloch K and Erickson M and Cho Y and Markowitz T and Theres H	O: No outcome of interest
16357087	Effects of nasal continuous positive airway pressure and oxygen supplementation on norepinephrine kinetics and cardiovascular responses in obstructive sleep apnea.	Journal of applied physiology (Bethesda, Md. : 1985)	Mills PJ and Kennedy BP and Loredo JS and Dimsdale JE and Ziegler MG	O: No outcome of interest
12952257	Humidified nasal continuous positive airway pressure in obstructive sleep apnoea.	The European respiratory journal	Neill AM and Wai HS and Bannan SP and Beasley CR and Weatherall M and Campbell AJ	O: No outcome of interest
17035433	Pressure-relief continuous positive airway pressure vs constant continuous positive airway pressure: a comparison of efficacy and compliance.	Chest	Nilius G and Happel A and Domanski U and Ruhle KH	O: No outcome of interest
17326544	Auto-adjusting versus fixed positive pressure therapy in mild to moderate obstructive sleep apnoea.	Sleep	Nolan GM and Doherty LS and Mc Nicholas WT	O: No outcome of interest
16585412	Effects of continuous positive airway pressure versus supplemental oxygen on 24-hour ambulatory blood pressure.	Hypertension (Dallas, Tex. : 1979)	Norman D and Loredo JS and Nelesen RA and Ancoli-Israel S and Mills PJ and Ziegler MG and Dimsdale JE	O: No outcome of interest
15249439	Constant vs auto-continuous positive airway pressure in patients with sleep apnea hypopnea syndrome and a high variability in pressure requirement.	Chest	Noseda A and Kempenaers C and Kerkhofs M and Braun S and Linkowski P and Jann E	O: No outcome of interest
17494789	Fixed and autoadjusting continuous positive airway	Chest	Patruno V and Aiolfi S and Costantino G and Murgia R and Selmi C and Malliani A and Montano N	O: No outcome of interest

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	pressure treatments are not similar in reducing cardiovascular risk factors in patients with obstructive sleep apnea.			
12683473	Efficacy and cost of home-initiated auto-nCPAP versus conventional nCPAP.	Sleep	Planes C and D'Ortho MP and Foucher A and Berkani M and Leroux K and Essalhi M and Delclaux C and Quera-Salva MA and Lofaso F	O: No outcome of interest
12942031	Auto-adjusting CPAP based on impedance versus bilevel pressure in difficult-to-treat sleep apnea syndrome: a prospective randomized crossover study.	Medical science monitor : international medical journal of experimental and clinical research	Randerath WJ and Galetke W and Ruhle KH	O: No outcome of interest
15679008	Effects of fixed compared to automatic CPAP on sleep in Obstructive Sleep Apnoea Syndrome.	Monaldi archives for chest disease = Archivio Monaldi per le malattie del torace	Resta O and Carratu P and Depalo A and Giliberti T and Ardito M and Marrone O and Insalaco G	O: No outcome of interest
17552379	Increased adherence to CPAP with a group cognitive behavioral treatment intervention: a randomized trial.	Sleep	Richards D and Bartlett DJ and Wong K and Malouff J and Grunstein RR	O: No outcome of interest
16455835	Continuous positive airway pressure does not reduce blood pressure in nonsleepy hypertensive OSA patients.	The European respiratory journal	Robinson GV and Smith DM and Langford BA and Davies RJ and Stradling JR	O: No outcome of interest
18982206	Impact of heated humidification with automatic positive airway pressure in obstructive sleep apnea therapy.	Jornal brasileiro de pneumologia : publicacao oficial da Sociedade Brasileira de Pneumologia e Tisilogia	Salgado SM and Boleo-Tome JP and Canhao CM and Dias AR and Teixeira JI and Pinto PM and Caetano MC	O: No outcome of interest
18713092	Efficacy of the 'tennis ball technique' versus nCPAP in the management of position-dependent obstructive sleep apnoea syndrome.	Respirology (Carlton, Vic.)	Skinner MA and Kingshott RN and Filsell S and Taylor DR	O: No outcome of interest
18829212	Patient education combined in a music and habit-forming intervention for adherence to continuous positive airway (CPAP) prescribed for sleep apnea.	Patient education and counseling	Smith CE and Dauz E and Clements F and Werkowitch M and Whitman R	O: No outcome of interest

PubMed ID	Title	Journal	Authors	Rejection Reason
16963674	Effect of treatment with nasal continuous positive airway pressure on ventilatory response to hypoxia and hypercapnia in patients with sleep apnea syndrome.	Chest	Spicuzza L and Bernardi L and Balsamo R and Ciancio N and Polosa R and Di Maria G	O: No outcome of interest
17513285	Pilot randomized trial of the effect of wireless telemonitoring on compliance and treatment efficacy in obstructive sleep apnea.	Journal of medical Internet research	Stepnowsky CJ and Palau JJ and Marler MR and Gifford AL	O: No outcome of interest
17673699	Comparison of a custom-made and a thermoplastic oral appliance for the treatment of mild sleep apnea.	American journal of respiratory and critical care medicine	Vanderveken OM and Devolder A and Marklund M and Boudewyns AN and Braem MJ and Okkerse W and Verbraecken JA and Franklin KA and De Backer WA and Van de Heyning PH	O: No outcome of interest
14569523	A prospective randomized study comparing two different degrees of mandibular advancement with a dental appliance in treatment of severe obstructive sleep apnea.	Sleep & breathing = Schlaf & Atmung	Walker-Engstrom ML and Ringqvist I and Vestling O and Wilhelmsson B and Tegelberg A	O: No outcome of interest
15358707	Can psychological factors help us to determine adherence to CPAP? A prospective study.	The European respiratory journal	Wild MR and Engleman HM and Douglas NJ and Espie CA	O: No outcome of interest
25582849	The role of continuous positive airway pressure in blood pressure control for patients with obstructive sleep apnea and hypertension: a meta-analysis of randomized controlled trials	J Clin Hypertens (Greenwich)	Hu, X. and Fan, J. and Chen, S. and Yin, Y. and Zrenner, B.	O: No outcome of interest
30300256	Obstructive Sleep Apnea in Neuro-Ophthalmology	Journal of neuro-ophthalmology : the official journal of the North American Neuro-Ophthalmology Society	Wong, B. and Fraser, C. L.	O: No outcome of interest
28603829	Adherence to treatment with continuous positive airway pressure in the obstructive sleep apnea syndrome	Tunis Med	Abdelghani, A. and Benzarti, W. and Ben Salem, H. and Gargouri, I. and Garrouche, A. and Hayouni, A. and Benzarti, M.	O: No outcome of interest
	Clinical outcomes of continuous positive airway pressure in	Sleep	Huang, H. and Lee, C. and Lin, S. and Chuang, L. and Chang, C. and Chen, N.	O: No outcome of interest

PubMed ID	Title	Journal	Authors	Rejection Reason
	patients with obstructive sleep apnea and non-dipping blood pressure: A prospective cohort study			
	Positive effects of long term continuous positive airway pressure (CPAP) therapy on blood pressure in obstructive sleep apnea patients	Sleep	Shirahama, R. and Tomooka, K. and Fan Yun, L. and Ikeda, A. and Endo, T. and Wada, H. and Kales, S. N. and Tanigawa, T.	O: No outcome of interest
31103396	Lower urinary tract symptoms and obstructive sleep apnea syndrome: Urodynamic evolution before and after one year of treatment with continuous positive airway pressure	Actas Urol Esp	Fernandez-Pello, S. and Gil, R. and Escaf, S. and Rodriguez Villamil, L. and Alzueta, A. and Rodriguez, C. and Gonzalo-Orden, J. M.	O: No outcome of interest
24988091	Impact of nasal continuous positive airway pressure on heart rhythm in patients with obstructive sleep apnea/hypopnea syndrome	Minerva medica	Pelechas, E. and Doina, A.	O: No outcome of interest
28095965	VAMONOS (Veterans Affairs' Metabolism, Obstructed and Non-Obstructed Sleep) Study: Effects of CPAP Therapy on Glucose Metabolism in Patients with Obstructive Sleep Apnea	J Clin Sleep Med	Ioachimescu, O. C. and Anthony, J., Jr. and Constantin, T. and Ciavatta, M. M. and McCarver, K. and Sweeney, M. E.	O: No outcome of interest
27545028	[Analysis of long-term compliance to continuous positive airway pressure in patients with obstructive sleep apnea]	Zhonghua Yi Xue Za Zhi	Wang, Q. and Ou, Q. and Tian, X. T. and Chen, Y. C. and Nie, Z. Q. and Gao, X. L.	O: No outcome of interest
27957696	The association between continuous positive airway pressure therapy and liver disease development in obstructive sleep apnea/hypopnea syndrome patients: a nationwide population-based cohort study in Taiwan	Sleep Breath	Hang, L. W. and Chen, C. F. and Wang, C. B. and Wu, T. N. and Liang, W. M. and Chou, T. C.	O: No outcome of interest

PubMed ID	Title	Journal	Authors	Rejection Reason
10679542	Randomised prospective parallel trial of therapeutic versus subtherapeutic nasal continuous positive airway pressure on simulated steering performance in patients with obstructive sleep apnoea.	Thorax	Hack M and Davies RJ and Mullins R and Choi SJ and Ramdassingh-Dow S and Jenkinson C and Stradling JR	O: No outcome of interest
23158073	[Effects of long term nasal continuous positive airway pressure on the blood pressure of patients with obstructive sleep apnea hypopnea syndrome]	Zhonghua Jie He He Hu Xi Za Zhi	Lin, Q. C. and Deng, C. S. and Ding, H. B. and Chen, H. and Chen, G. P. and Huang, J. C. and Zhao, J. M. and Shi, L. Y.	O: No outcome of interest
20007932	Long-term effect of continuous positive airway pressure in hypertensive patients with sleep apnea	Am J Respir Crit Care Med	Barbe, F. and Duran-Cantolla, J. and Capote, F. and de la Pena, M. and Chiner, E. and Masa, J. F. and Gonzalez, M. and Marin, J. M. and Garcia-Rio, F. and de Atauri, J. D. and Teran, J. and Mayos, M. and Monasterio, C. and del Campo, F. and Gomez, S. and de la Torre, M. S. and Martinez, M. and Montserrat, J. M.	O: No outcome of interest
25325608	Sleep architecture following a weight loss intervention in overweight and obese patients with obstructive sleep apnea and type 2 diabetes: relationship to apnea-hypopnea index	J Clin Sleep Med	Shechter, A. and St-Onge, M. P. and Kuna, S. T. and Zammit, G. and RoyChoudhury, A. and Newman, A. B. and Millman, R. P. and Reboussin, D. M. and Wadden, T. A. and Jakicic, J. M. and Pi-Sunyer, F. X. and Wing, R. R. and Foster, G. D.	O: No outcome of interest
24907033	Obstructive sleep apnea is associated with cancer mortality in younger patients	Sleep Med	Martinez-Garcia, M. A. and Campos-Rodriguez, F. and Duran-Cantolla, J. and de la Pena, M. and Masdeu, M. J. and Gonzalez, M. and Del Campo, F. and Serra, P. C. and Valero-Sanchez, I. and Ferrer, M. J. and Marin, J. M. and Barbe, F. and Martinez, M. and Farre, R. and Montserrat, J. M.	O: No outcome of interest
25559094	The effect of continuous positive airway pressure therapy on the prevalence of masked hypertension in obstructive sleep apnea patients	Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub	Sova, M. and Sovova, E. and Hobzova, M. and Zapletalova, J. and Kamasova, M. and Kolek, V.	O: No outcome of interest
28695399	The long-term effects of mandibular advancement splint on cardiovascular fitness and psychomotor performance in patients with mild to moderate	Sleep Breath	Gupta, A. and Tripathi, A. and Sharma, P.	O: No outcome of interest

PubMed ID	Title	Journal	Authors	Rejection Reason
	obstructive sleep apnea: a prospective study			
25827501	Effect of CPAP therapy on job productivity and psychosocial occupational health in patients with moderate to severe sleep apnea	Sleep Breath	Jurado-Gamez, B. and Guglielmi, O. and Gude-Sampedro, F. and Buela-Casal, G.	O: No outcome of interest
26307037	Obstructive sleep apnoea during REM sleep and incident non-dipping of nocturnal blood pressure: a longitudinal analysis of the Wisconsin Sleep Cohort	Thorax	Mokhlesi, B. and Hagen, E. W. and Finn, L. A. and Hla, K. M. and Carter, J. R. and Peppard, P. E.	O: No outcome of interest
25378962	Longitudinal assessment of sleep disordered breathing in Vietnam veterans with post-traumatic stress disorder	Nat Sci Sleep	Yesavage, J. A. and Kinoshita, L. M. and Noda, A. and Lazzeroni, L. C. and Fairchild, J. K. and Friedman, L. and Sekhon, G. and Thompson, S. and Cheng, J. and Zeitzer, J. M.	O: No outcome of interest
7842204	Continuous versus bilevel positive airway pressure for obstructive sleep apnea.	American journal of respiratory and critical care medicine	Reeves-Hoche MK and Hudgel DW and Meck R and Witteman R and Ross A and Zwillich CW	O: No outcome of interest
24558173	Sleep apnoea is associated with major cardiac events in peripheral arterial disease	Eur Respir J	Utriainen, K. T. and Airaksinen, J. K. and Polo, O. and Laitio, R. and Pietila, M. J. and Scheinin, H. and Vahlberg, T. and Leino, K. A. and Kentala, E. S. and Jalonen, J. R. and Hakovirta, H. and Parkkola, R. and Virtanen, S. and Laitio, T. T.	O: No outcome of interest
	Durability of treatment effects of the Sleep Position Trainer versus oral appliance therapy in positional OSA: 12-month follow-up of a randomized controlled trial		de Ruiter MHT, Benoist LBL, de Vries N, de Lange J	O: No outcome of interest
CN-01970200	A comparison between positional therapy and continuous positive airway pressure therapy for positional obstructive sleep apnoea	http://www.who.int/trialsearch/Trial2.aspx?TrialID=ACTRN12619000475145	Actrn	O: No results given
CN-01875514	A randomized cross-over study of adjustable thermoplastic oral appliances and continuous positive airway pressure in treatment of patients with obstructive sleep apnea	http://www.who.int/trialsearch/Trial2.aspx?TrialID=TCTR20140901002	Tctr	O: No results given

PubMed ID	Title	Journal	Authors	Rejection Reason
CN-01832380	A trial of 26 weeks of subcutaneous liraglutide (a GLP1 receptor agonist), with or without continuous positive airway pressure (CPAP), in patients with type 2 diabetes mellitus (T2DM) and obstructive sleep apnoea (OSA)	http://www.who.int/trialsearch/Trial2.aspx?TrialID=ISRCTN16250774	Isrctn	O: No results given
CN-01895350	An evaluation of the effectiveness of continuous positive airway pressure therapy in participants with obstructive sleep apnoea and angina	http://www.who.int/trialsearch/Trial2.aspx?TrialID=ACTRN12618000227291	Actrn	O: No results given
CN-01588356	Assessing the Risk of Developing Type II Diabetes Using Serum Biomarkers in Patients Diagnosed With Obstructive Sleep Apnea	https://clinicaltrials.gov/show/NCT01447251	Nct	O: No results given
CN-01953603	Combination Therapy Associating CPAP and Mandibular Advancement Device in OSA	https://clinicaltrials.gov/show/NCT04021810	Nct	O: No results given
CN-01535150	Comparison Study of the ICON,Ñ¢ Auto Series With and Without SensAwake,Ñ¢ and ThermoSmart,Ñ¢ and Conventional Continuous Positive Airway Pressure in Obstructive Sleep Apnea Patients	https://clinicaltrials.gov/show/NCT01517763	Nct	O: No results given
CN-01593539	Continues Positive Airway Pressure Treatment for Patients With Dilated Cardiomyopathy and Obstructive Sleep Apnea	https://clinicaltrials.gov/show/NCT02989181	Nct	O: No results given
CN-01552528	Continuous Positive Airway Pressure (CPAP) for Primary Care	https://clinicaltrials.gov/show/NCT02459548	Nct	O: No results given
CN-01836141	Continuous positive airway pressure (CPAP) in patients with impaired vision due to diabetic Retinopathy and concurrent Obstructive Sleep Apnoea (OSA): ROSA trial	http://www.who.int/trialsearch/Trial2.aspx?TrialID=ISRCTN95411896	Isrctn	O: No results given

PubMed ID	Title	Journal	Authors	Rejection Reason
CN-01533597	Continuous Positive Airway Pressure and Oral Appliances Treatments in Mild Obstructive Sleep Apnea	https://clinicaltrials.gov/show/NCT01461486	Nct	O: No results given
CN-01875741	Continuous positive airway pressure with or without liraglutide in obstructive sleep apnoea and type 2 diabetes (ROMANCE)	http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2014-000988-41-GB	Euctr, G. B.	O: No results given
CN-01795304	Continuous Positive Pressure Versus Bi-level in Overlap Syndrome	https://clinicaltrials.gov/show/NCT03766542	Nct	O: No results given
CN-01559431	CPAP Effect on Albuminuria in Patients With Diabetic Nephropathy and Obstructive Sleep Apnea	https://clinicaltrials.gov/show/NCT02816762	Nct	O: No results given
CN-01520335	CPAP Effect on the Progression of Diabetic Retinopathy in Patients With Sleep Apnea	https://clinicaltrials.gov/show/NCT02874313	Nct	O: No results given
CN-01579126	Diabetes-Obstructive Sleep Apnea Treatment Trial	https://clinicaltrials.gov/show/NCT01901055	Nct	O: No results given
CN-01308094	Does treatment of obstructive sleep apnoea in patients with mild cognitive impairment improve cognition and mood?	http://www.anzctr.org.au/ACTRN12616000733471.aspx	Actrn	O: No results given
CN-01580603	Economic Evaluation of Treatment Modalities for Position Dependent Obstructive Sleep Apnea	https://clinicaltrials.gov/show/NCT02553902	Nct	O: No results given
CN-01550906	Effect of Sleep Apnea Treatment on Type 1 Diabetes	https://clinicaltrials.gov/show/NCT02316665	Nct	O: No results given
CN-01877186	Effects of continuous positive airway pressure on cerebral function, neurological function, metabolism in patients with severe OSAHS: a randomized controlled trial	http://www.who.int/trialsearch/Trial2.aspx?TrialID=ChiCTR-IOR-15007065	Chi, C. I.	O: No results given
CN-01529891	Effects of PAP Treatment of OSA in Patients With Heart Failure	https://clinicaltrials.gov/show/NCT01136122	Nct	O: No results given

PubMed ID	Title	Journal	Authors	Rejection Reason
CN-01868967	Efficacy and safety of pitolisant (BF2.649) in the treatment of excessive daytme sleepiness in patients with excessive daytime sleepiness in patients with obstructive sleep apnea syndrome treated or not by nCPAP ans still complaning of excessive daytime sleepiness	http://www.who.int/trialsearch/Trial2.aspx?TrialID=EUCTR2015-004561-85-BG	Euctr, B. G.	O: No results given
CN-01800753	Efficacy of sleep apnoea (OSA) therapy for the reduction of atrial fibrilliation (AF) burden and morbidity in adults with OSA and AF	http://www.who.int/trialsearch/Trial2.aspx?TrialID=ACTRN12616000903482	Actrn	O: No results given
CN-01810914	Endobarrier in diabetes with obstructive sleep apneoa	http://www.who.int/trialsearch/Trial2.aspx?TrialID=ISRCTN33788132	Isrctn	O: No results given
CN-01535717	Heart Failure and Sleep Apnea: exercise Training and Continuous Positive Airway Pressure	https://clinicaltrials.gov/show/NCT01538069	Nct	O: No results given
CN-01552359	Hyperglycemic Profiles in Obstructive Sleep Apnea: effects of PAP Therapy	https://clinicaltrials.gov/show/NCT02454153	Nct	O: No results given
CN-01544127	Impact of Continuous Positive Airway Pressure (CPAP) Therapy on Outcomes in Patients Undergoing Coronary Revascularization	https://clinicaltrials.gov/show/NCT02080156	Nct	O: No results given
CN-01662666	Impact of Early Diagnosis and Treatment of OSA on Hospital Readmission in Hospitalized Cardiac Patients	https://clinicaltrials.gov/show/NCT03647891	Nct	O: No results given
CN-01529378	Neuromodulation Therapy Device for the Treatment of Sleep Apnea	https://clinicaltrials.gov/show/NCT01117064	Nct	O: No results given
CN-01588969	Obstructive Sleep Apnea - Patient Specific Factors, Success Rate and Compliance	https://clinicaltrials.gov/show/NCT02953028	Nct	O: No results given
CN-01595544	Oxygen Versus PAP for Sleep Apnea in Heart Failure	https://clinicaltrials.gov/show/NCT01807897	Nct	O: No results given

PubMed ID	Title	Journal	Authors	Rejection Reason
CN-01488935	PAC-IC-SAOS Obstructive Sleep Apnea Syndrome and Ventricular Function	https://clinicaltrials.gov/show/NCT01900379	Nct	O: No results given
CN-01520924	Sleep Apnea and Atrial Fibrillation Recurrence	https://clinicaltrials.gov/show/NCT02906839	Nct	O: No results given
CN-01579629	Telecoaching to Improve Physical Activity in Patients With Obstructive Sleep Apnea	https://clinicaltrials.gov/show/NCT03205878	Nct	O: No results given
CN-01546316	Telemedici ne Management of Veterans With Newly Diagnosed Obstructiv e Sleep Apnea (OSA)	https://clinicaltrials.gov/show/NCT02159885	Nct	O: No results given
CN-01844112	the effect of appropriate treatment with continuous positive airway pressure (CPAP) on the recurrence of atrial fibrillation after radiofrequency catheter ablation	http://www.who.int/trialsearch/Trial2.aspx?TrialID=JPRN-UMIN000005539	Jprn, U.	O: No results given
CN-01796586	The impact of continuous positive airway pressure (CPAP) on aortic aneurysms in patients with obstructive sleep apnea	http://www.who.int/trialsearch/Trial2.aspx?TrialID=JPRN-UMIN000011592	Jprn, U.	O: No results given
CN-01902277	The impact of sleep disorders in patients with type 2 diabetes	http://www.who.int/trialsearch/Trial2.aspx?TrialID=ISRCTN12361838	Isrctn	O: No results given
CN-01549834	The Influences of Intervention With Home-based Recovery Activity in Obstructive Sleep Apnea Syndrome	https://clinicaltrials.gov/show/NCT02278094	Nct	O: No results given
CN-01532999	Titration of Continuous Positive Airway Pressure Could Predict Success of Oral Appliance to Treat Sleep Apnea	https://clinicaltrials.gov/show/NCT01336556	Nct	O: No results given
CN-01489916	Upper Airway Toning for Improve the Compliance of CPAP	https://clinicaltrials.gov/show/NCT01936038	Nct	O: No results given
CN-01542306	Using Continuous Positive Airway Pressure to Reduce the Incidence of Acute Kidney Injury in Hospitalized Patients With Chronic Kidney Disease	https://clinicaltrials.gov/show/NCT01859260	Nct	O: No results given

PubMed ID	Title	Journal	Authors	Rejection Reason
abstract	Impact of treatment modalities on health status in patients with obstructive sleep apnea	Journal of the american college of cardiology.	Lewis, E. F. and Wang, R. and Quan, S. and Gottlieb, D. and Bhatt, D. and Blumenthal, R. and Mehra, R. and Punjabi, N. and Patel, S. and Weng, J. and et al.	O: No results given
abstract	The effect of continuous positive airway pressure (CPAP) on health related quality of life (HRQOL) as measured by quality of well being self administered questionnaire (QWB-SA)	Sleep	Batool-Anwar, S. and Quan, S.	O: No results given
abstract	Merge study: the effect of CPAP on energy and vitality in patients with mild OSA	Journal of sleep research	Wimms, A. and Kelly, J. and Morrell, M.	O: No results given
abstract	Depression and response to CPAP treatment in coronary artery disease patients with sleepy vs nonsleepy obstructive slee apnoea	European respiratory journal	Balcan, B. and Thunstrom, E. and Peker, Y.	O: No results given
abstract	Primary Care Physicians Can Comprehensively Manage Sleep Apnea Patients using a semi-automatic algorithm	European respiratory journal	Quiroga, M. A. S. and Penafiel, J. C. and Bernal, C. C. and Cruz, M. I. A. and Cabello, M. and Martinez, M. A. M. and Santaolalla, C. J. E. and Ordax, E. and Barbe, F. and Jimenez, J. F. M.	O: No results given
abstract	A 12 month multicenter, parallel, randomized trial of continuous positive airway pressure in older people with obstructive sleep apnea syndrome (Abstract)	American journal of respiratory and critical care medicine	McMillan, A. and Bratton, D. J. and Faria, R. and Laskawiec-Szkonter, M. and Griffin, S. and Davies, R. J.	O: No results given
26642771	The Determining Risk of Vascular Events by Apnea Monitoring (DREAM) study: design, rationale, and methods	Sleep Breath	Koo, B. B. and Won, C. and Selim, B. J. and Qin, L. and Jeon, S. and Redeker, N. S. and Bravata, D. M. and Strohl, K. P. and Concato, J. and Zinchuk, A. V. and Yaggi, H. K.	O: No results given
29097299	The Study of Neurocognitive Outcomes, Radiological and Retinal Effects of Aspirin in Sleep Apnoea- rationale and methodology of the SNORE-ASA study	Contemp Clin Trials	Ward, S. A. and Storey, E. and Woods, R. L. and Hamilton, G. S. and Kawasaki, R. and Janke, A. L. and Naughton, M. T. and O'Donoghue, F. and Wolfe, R. and Wong, T. Y. and Reid, C. M. and Abhayaratna, W. P. and Stocks, N. and Trevaks, R. and Fitzgerald, S. and Hodgson, L. A. B. and Robman, L. and Workman, B. and McNeil, J. J.	O: No results given
22812731	Sleep disordered breathing in TIA/ischemic Stroke: effects on short- and long-term outcome	Schweizer archiv fur neurologie und psychiatrie.	Cereda, C. W. and Azzola, A. and Baumann, C. and Bornatico, F. and Ciccone, A. and Dell'Acqua, M. L. and	O: No results given

PubMed ID	Title	Journal	Authors	Rejection Reason
	and CPAP treatment efficacy: an open, observational, clinical, multicentre trial with a randomized arm - SAS CARE study		Economou, N. T. and Fischer and Gallino, A. and Gyoerik, S. and et al.	
abstract	A 12 month multicenter, parallel, randomized trial of continuous positive airway pressure in older people with obstructive sleep apnea syndrome	American journal of respiratory and critical care medicine	McMillan, A. and Bratton, D. J. and Faria, R. and Laskawiec-Szkonter, M. and Griffin, S. and Davies, R. J. and Nunn, A. J. and Stradling, J. R. and Riha, R. L. and Morrell, M. J.	O: No results given
	CPAP impact on memory processes in OSA patients, a randomized sham controlled trial	European respiratory journal	Pepin, J. L. and Joyeux-Faure, M. and Naegele, B. and Tamisier, R. and Levy, P. and Launois, S.	O: No results given
abstract	Baseline data from the rosa trial: a randomised controlled trial of the effect of CPAP on diabetic macular oedema in people with concurrent obstructive sleep apnoea	Thorax	West, S. D. and Hughes, J. and Prudon, B.	O: No results given
	Automatic positive airway pressure for treatment of obstructive sleep apnea in heart failure: design, rationale, and insights from the APAP randomized controlled trial	Somnologie	Oldenburg, O. and Fox, H. and Wellmann, B. and Thiem, U. and Horstkotte, D. and Bitter, T.	O: No results given
abstract	Impact of automatic positive airway pressure on treatment compliance in obstructive sleep apnea patients awaiting bariatric surgery	American journal of respiratory and critical care medicine	Kermelly, S. and Series, F. and Boucher, M. E. and Bussieres, J.	O: No results given
abstract	A randomized controlled trial of positional therapy and oral appliance therapy in patients with position dependent sleep apnea	Journal of oral and maxillofacial surgery	De Ruiter, M. and Benoist, L. and De Vries, N. and De Lange, J.	O: No results given
26357928	A comparison of CPAP and CPAPFLEX in the treatment of obstructive sleep apnea in World Trade Center responders: study	Trials	Ayappa, I. and Sunderram, J. and Black, K. and Twumasi, A. and Udasin, I. and Harrison, D. and Carson, J. L. and Lu, S. E. and Rapoport, D. M.	O: No results given

PubMed ID	Title	Journal	Authors	Rejection Reason
	protocol for a randomized controlled trial			
24103561	Cardiovascular risk and mortality in end-stage renal disease patients undergoing dialysis: sleep study, pulmonary function, respiratory mechanics, upper airway collapsibility, autonomic nervous activity, depression, anxiety, stress and quality of life: a prospective, double blind, randomized controlled clinical trial	BMC Nephrol	dos Reis Santos, I. and Danaga, A. R. and de Carvalho Aguiar, I. and Oliveira, E. F. and Dias, I. S. and Urbano, J. J. and Martins, A. A. and Ferraz, L. M. and Fonseca, N. T. and Fernandes, V. and Fernandes, V. A. and Lopes, V. C. and Leitao Filho, F. S. and Nacif, S. R. and de Carvalho Pde, T. and Sampaio, L. M. and Giannasi, L. C. and Romano, S. and Insalaco, G. and Araujo, A. K. and Delle, H. and Souza, N. K. and Giannella-Neto, D. and Oliveira, L. V.	O: No results given
30904853	Effect of CPAP therapy on kidney function in patients with obstructive sleep apnoea and chronic kidney disease: a protocol for a randomised controlled clinical trial	BMJ Open	Rimke, A. N. and Ahmed, S. B. and Turin, T. C. and Pendharkar, S. R. and Raneri, J. K. and Lynch, E. J. and Hanly, P. J.	O: No results given
28174423	GESAP trial rationale and methodology: Management of patients with suspected obstructive sleep apnea in primary care units compared to sleep units	npj Primary Care Respiratory Medicine	Tarraubella, N. and De Batlle, J. and Nadal, N. and Castro-Grattoni, A. L. and Gv≥mez, S. and Sv°nchez-de-la-Torre, M. and Barbv©, F.	O: No results given
29469206	Impact of sacubitril-valsartan combination in patients with chronic heart failure and sleep apnoea syndrome: the ENTRESTO-SAS study design	ESC heart failure	Jaffuel, D. and Molinari, N. and Berdague, P. and Pathak, A. and Galinier, M. and Dupuis, M. and Ricci, J. E. and Mallet, J. P. and Bourdin, A. and Roubille, F.	O: No results given
abstract	Improvements in sleep apnea endpoints and quality of life are related to the degree of weight loss: results from the randomized, double-blind scale sleep apnea trial	Sleep medicine.	Blackman, A. and Foster, G. and Rosenberg, R. and Aronne, L. and Wadden, T. and Claudius, B.	O: No results given
abstract	Liraglutide 3.0 mg reduces severity of obstructive sleep apnea and body weight in individuals with obesity and	Canadian journal of diabetes.	Blackman, A. and Foster, G. and Zammit, G. and Rosenberg, R. and Wadden, T. and Aronne, L.	O: No results given

PubMed ID	Title	Journal	Authors	Rejection Reason
	moderate or severe disease: SCALE sleep apnoea trial			
	Sleep apnea cardiovascular endpoints (SAVE) study: an international randomised controlled trial to determine whether continuous positive airways pressure treatment for obstructive sleep apnea in patients with cv disease prevents secondary cardiovascular events	Journal of hypertension	Anderson, C. and McEvoy, D. and Wang, J.	O: No results given
	Sexual quality of life and sexual health in OSA patients	Otolaryngology - Head and Neck Surgery	Hopp, M. L. and Saadat, D. and Vardanyan, N. and Alessi, D. M. and Olarte, L. S. and Freedland, S. and Petrovic, M.	O: No results given
29801678	Rationale and Methodology of the SARAH Trial: Long-Term Cardiovascular Outcomes in Patients With Resistant Hypertension and Obstructive Sleep Apnea	Archivos de Bronconeumologia	SapiV±a-BeltrV°n, E. and Torres, G. and MartV≠nez-Alonso, M. and SV°nchez-de-la-Torre, M. and Franch, M. and Bravo, C. and Masa, J. F. and Felez, M. and Fortuna-Gutierrez, A. M. and Abad, J. and GarcV≠a-RV≠o, F. and Drager, L. F. and Lee Chi-Hang, R. and MartV≠nez-GarcV≠a, M. vÅ and BarbV©, F. and Dalmases, M.	O: No results given
29357947	Overnight auto-adjusting continuous airway pressure + standard care compared with standard care alone in the prevention of morbidity in sickle cell disease phase II (POMS2b): study protocol for a randomised controlled trial	Trials	Howard, J. and Slee, A. E. and Skene, S. and Inusa, B. and Kawadler, J. and Downes, M. and Gavlak, J. and Koelbel, M. and Stotesbury, H. and Chorozoglou, M. and Tebbs, S. and Chakravorty, S. and Awogbade, M. and Rees, D. C. and Gupta, A. and Murphy, P. B. and Hart, N. and Sahota, S. and Nwosu, C. and Gwam, M. and Saunders, D. and Muthurangu, V. and Barber, N. and Ako, E. and Thein, S. L. and Marshall, M. and Reading, I. C. and Cheng, M. Y. E. and Kirkham, F. J. and Liossi, C.	O: No results given
30517889	Diabetes sleep treatment trial: Premise, design, and methodology	Contemp Clin Trials	Chasens, E. R. and Atwood, C. W. and Burke, L. E. and Korytkowski, M. and Stansbury, R. and Strollo, P. J. and Sereika, S. M.	O: No results given
28550021	Effects of continuous positive airway pressure on neurocognitive architecture and function in patients with obstructive sleep apnoea: study protocol for a multicentre randomised controlled trial	BMJ Open	Xu, H. and Wang, H. and Guan, J. and Yi, H. and Qian, Y. and Zou, J. and Xia, Y. and Fu, Y. and Li, X. and Jiao, X. and Huang, H. and Dong, P. and Yu, Z. and Yang, J. and Xiang, M. and Li, J. and Chen, Y. and Wang, P. and Sun, Y. and Li, Y. and Zheng, X. and Jia, W. and Yin, S.	O: No results given
abstract	Clinical and cost-effectiveness of a mandibular advancement	European respiratory journal	De Vries, G. E. and Hoekema, A. and Vermeulen, K. M. and Claessen, J. and Jacobs, W. and Van Der Maten, J.	O: No results given

PubMed ID	Title	Journal	Authors	Rejection Reason
	device versus continuous positive airway pressure in moderate obstructive sleep apnea: a randomized controlled trial		and Van Der Hoeven, H. and Stegenga, B. and Kerstjens, H. and Wijkstra, P.	
23843147	Rationale and methodology of the impact of continuous positive airway pressure on patients with ACS and nonsleepy OSA: the ISAACC Trial	Clin Cardiol	Esquinas, C. and Sanchez-de-la Torre, M. and Aldoma, A. and Flores, M. and Martinez, M. and Barcelo, A. and Barbe, F.	O: No results given
27242272	Impact of continuous positive airway pressure (CPAP) on quality of life in patients with obstructive sleep apnea (OSA)	J Sleep Res	Batool-Anwar, S. and Goodwin, J. L. and Kushida, C. A. and Walsh, J. A. and Simon, R. D. and Nichols, D. A. and Quan, S. F.	O: No results given
23777510	Auto-titrating continuous positive airway pressure treatment for obstructive sleep apnoea after acute quadriplegia (COSAQ): study protocol for a randomized controlled trial	Trials	Berlowitz, D. J. and Ayas, N. and Barnes, M. and Brown, D. J. and Cistulli, P. A. and Geraghty, T. and Graham, A. and Lee, B. B. and Morris, M. and O'Donoghue, F. and Rochford, P. D. and Ross, J. and Singhal, B. and Spong, J. and Wadsworth, B. and Pierce, R. J.	O: No results given
in process	CPAP and cognition in OSA (APPLES)	Journal of Clinical Sleep Medicine	Berlowitz, D. J. and Shafazand, S.	O: No results given
30638392	Treatment of sleep apnea in patients with paroxysmal atrial fibrillation: design and rationale of a randomized controlled trial	Scand Cardiovasc J	Traaen, G. M. and Aakeroy, L. and Hunt, T. E. and Overland, B. and Lyseggen, E. and Aukrust, P. and Ueland, T. and Helle-Valle, T. and Steinshamn, S. and Edvardsen, T. and Khiabani Zare, H. and Aakhus, S. and Akre, H. and Anfinsen, O. G. and Loennechen, J. P. and Gullestad, L.	O: No results given
CN-01505838	Treatment of Obstructive Sleep Apnea in Chronic Kidney Disease	https://clinicaltrials.gov/show/NCT02420184	Nct	O: No results given
29079603	Combination of obstructive sleep apnoea and insomnia treated by continuous positive airway pressure with the SensAwake pressure relief technology to assist sleep: a randomised cross-over trial protocol	BMJ Open	Pepin, J. L. and Gagnadoux, F. and Foote, A. and Vicars, R. and Ogra, B. and Viot-Blanc, V. and Benmerad, M. and D'Ortho, M. P. and Tamisier, R.	O: No results given
abstract	Morbidity and mortality of chronic heart failure (CHF) patients with central sleep apnoea (CSA) treated by adaptive	American Journal of Respiratory and Critical Care Medicine	Pepin, J. and Tamisier, R. and Damy, T. and Goutorbe, F. and Palot, A. and Levy, P. A. and Davy, J. and Lavergne, F. and Morin, L. and D'Ortho, M.	P Not OSA

PubMed ID	Title	Journal	Authors	Rejection Reason
	servoventilation (ASV): Interim results of face cohort study			
29045745	Long-Term Oral Appliance Therapy Improves Daytime Function and Mood in Upper Airway Resistance Syndrome Patients	Sleep	Godoy LBM and Palombini L and Poyares D and Dal-Fabbro C and Moura Guimarães T and Calixto Klichouvicz P and Tufik S and Togeiro SM	P Not OSA
327	Response of alanine, tyrosine & leucine aminotransferases to dietary pyridoxine & protein in rat tissues.	Indian journal of experimental biology	Lalitha K and Radhakrishnamurty R	P Not OSA
29934418	Sleep Apnea, the Risk of Developing Heart Failure, and Potential Benefits of Continuous Positive Airway Pressure (CPAP) Therapy	J Am Heart Assoc	Holt, A. and Bjerre, J. and Zareini, B. and Koch, H. and Tonnesen, P. and Gislason, G. H. and Nielsen, O. W. and Schou, M. and Lamberts, M.	P Not OSA
25169419	Cardiovascular risk in patients with sleep apnoea with or without continuous positive airway pressure therapy: follow-up of 4.5 million Danish adults	J Intern Med	Lamberts, M. and Nielsen, O. W. and Lip, G. Y. and Ruwald, M. H. and Christiansen, C. B. and Kristensen, S. L. and Torp-Pedersen, C. and Hansen, M. L. and Gislason, G. H.	P Not OSA
30522886	The impact of continuous positive airway pressure treatment on the recurrence of atrial fibrillation post cardioversion: A randomized controlled trial	Int J Cardiol	Caples, S. M. and Mansukhani, M. P. and Friedman, P. A. and Somers, V. K.	P Not OSA
26497572	Effect of Respiratory Therapy on the Prognosis of Chronic Heart Failure Patients Complicated With Sleep-Disordered Breathing- A Pilot Efficacy Trial	Circ J	Satake, H. and Sugimura, K. and Fukumoto, Y. and Fukuda, K. and Nakano, M. and Kondo, M. and Fukui, S. and Ogawa, H. and Shinozaki, T. and Shimokawa, H.	P Not OSA
26612581	Nocturnal hypoxaemia is associated with increased mortality in stable heart failure patients	Eur Heart J	Oldenburg, O. and Wellmann, B. and Buchholz, A. and Bitter, T. and Fox, H. and Thiem, U. and Horstkotte, D. and Wegscheider, K.	P Not OSA
23222879	Auto-servoventilation in heart failure with sleep apnoea: A randomised controlled trial	European Respiratory Journal	Arzt, M. and Schroll, S. and Series, F. and Lewis, K. and Benjamin, A. and Escourrou, P. and Luigart, R. and Kehl, V. and Pfeifer, M.	P Not OSA

PubMed ID	Title	Journal	Authors	Rejection Reason
CN-01492096	CPAP to Treat Cognitive Dysfunction in MS	https://clinicaltrials.gov/show/NCT02544373	Nct	P: Other excluded population
31305423	Effects of continuous positive airway pressure (CPAP) therapy on neurological and functional rehabilitation in Basal Ganglia Stroke patients with obstructive sleep apnea: A prospective multicenter study	Medicine (United States)	Ren, L. and Wang, K. and Shen, H. and Xu, Y. and Wang, J. and Chen, R.	P: Other excluded population
29609704	Role of positive airway pressure therapy for Obstructive sleep apnea in patients with stroke: A randomized controlled trial	Journal of Clinical Sleep Medicine	Gupta, A. and Shukla, G. and Afsar, M. and Poornima, S. and Pandey, R. M. and Goyal, V. and Srivastava, C. and Vibha, D. and Behari, M.	P: Other excluded population
19793414	Can nasal surgery improve obstructive sleep apnea: subjective or objective?	American journal of rhinology & allergy	Li HY and Lee LA and Wang PC and Fang TJ and Chen NH	P: Other excluded population
abstract	Management of sleep apnea patients by a clinical nurse: a randomized open-label non-inferiority study	Sleep	Lajoie, A. C. and Prive, A. and Roy-Halle, A. and Sinf, B.	P: Other excluded population
31231783	Sleep Disorders and Stroke: Does Treatment of Obstructive Sleep Apnea Decrease Risk of Ischemic Stroke?	Curr Treat Options Neurol	Parasram, M. and Segal, A. Z.	P: Other excluded population
20847081	Early treatment of obstructive apnoea and stroke outcome: a randomised controlled trial	Eur Respir J	Parra, O. and Sanchez-Armengol, A. and Bonnin, M. and Arboix, A. and Campos-Rodriguez, F. and Perez-Ronchel, J. and Duran-Cantolla, J. and de la Torre, G. and Gonzalez Marcos, J. R. and de la Pena, M. and Carmen Jimenez, M. and Masa, F. and Casado, I. and Luz Alonso, M. and Macarron, J. L.	P: Other excluded population
20961913	Prognostic impact of sleep disordered breathing and its treatment in heart failure: an observational study	Eur J Heart Fail	Jilek, C. and Krenn, M. and Sebah, D. and Obermeier, R. and Braune, A. and Kehl, V. and Schroll, S. and Montalvan, S. and Riegger, G. A. and Pfeifer, M. and Arzt, M.	P: Other excluded population
21965227	Increased incidence of nonfatal cardiovascular events in stroke patients with sleep apnoea: effect of CPAP treatment	Eur Respir J	Martinez-Garcia, M. A. and Campos-Rodriguez, F. and Soler-Cataluna, J. J. and Catalan-Serra, P. and Roman-Sanchez, P. and Montserrat, J. M.	P: Other excluded population

PubMed ID	Title	Journal	Authors	Rejection Reason
29523641	CPAP as treatment of sleep apnea after stroke: A meta-analysis of randomized trials	Neurology	Brill, A. K. and Horvath, T. and Seiler, A. and Camilo, M. and Haynes, A. G. and Ott, S. R. and Egger, M. and Bassetti, C. L.	P: Other excluded population
abstract	Safety and efficacy of upper airway stimulation in treatment of obstructive sleep apnea	Sleep medicine.	Strollo, P. and Soose, R. and Strohl, K.	P: Other excluded population
24401051	Upper-airway stimulation for obstructive sleep apnea	New England Journal of Medicine	Strollo Jr, P. J. and Soose, R. J. and Maurer, J. T. and De Vries, N. and Cornelius, J. and Froymovich, O. and Hanson, R. D. and Padhya, T. A. and Steward, D. L. and Gillespie, M. B. and Woodson, B. T. and Van De Heyning, P. H. and Goetting, M. G. and Vanderveken, O. M. and Feldman, N. and Knaack, L. and Strohl, K. P.	P: Other excluded population
30081009	Maxillomandibular Advancement Improves Multiple Health-Related and Functional Outcomes in Patients With Obstructive Sleep Apnea: A Multicenter Study	Journal of Oral and Maxillofacial Surgery	Boyd, S. B. and Chigurupati, R. and Cillo, J. E. and Eskes, G. and Goodday, R. and Meisami, T. and Viozzi, C. F. and Waite, P. and Wilson, J.	P: Other excluded population
31556927	Evaluation of Hypoglossal Nerve Stimulation Treatment in Obstructive Sleep Apnea	JAMA Otolaryngol Head Neck Surg	Kent, D. T. and Carden, K. A. and Wang, L. and Lindsell, C. J. and Ishman, S. L.	P: Other excluded population
24033656	Hypoglossal nerve stimulation improves obstructive sleep apnea: 12-month outcomes	J Sleep Res	Kezirian, E. J. and Goding, G. S., Jr. and Malhotra, A. and O'Donoghue, F. J. and Zammit, G. and Wheatley, J. R. and Catcheside, P. G. and Smith, P. L. and Schwartz, A. R. and Walsh, J. H. and Maddison, K. J. and Claman, D. M. and Huntley, T. and Park, S. Y. and Campbell, M. C. and Palme, C. E. and Iber, C. and Eastwood, P. R. and Hillman, D. R. and Barnes, M.	P: Other excluded population
31323185	Maxillomandibular Advancement for Obstructive Sleep Apnea Is Associated With Very Long-Term Overall Sleep-Related Quality-of-Life Improvement	J Oral Maxillofac Surg	Cillo, J. E., Jr. and Robertson, N. and Dattilo, D. J.	P: Other excluded population
26158895	Upper Airway Stimulation for Obstructive Sleep Apnea: Durability of the Treatment Effect at 18 Months	Sleep	Strollo, P. J., Jr. and Gillespie, M. B. and Soose, R. J. and Maurer, J. T. and de Vries, N. and Cornelius, J. and Hanson, R. D. and Padhya, T. A. and Steward, D. L. and Woodson, B. T. and Verbraecken, J. and Vanderveken, O. M. and Goetting, M. G. and Feldman, N. and Chabolle, F. and Badr, M. S. and Randerath, W. and Strohl, K. P.	P: Other excluded population

PubMed ID	Title	Journal	Authors	Rejection Reason
abstract	Clinical and economic benefit of upper airway stimulation for obstructive sleep apnea in the German setting	Value in Health	Pietzsch, J. B. and Weschenfelder, A. and Randerath, W. and Steffen, A. and Liu, S. and Geisler, B. P. and Wasem, J. and Biermann, J.	P: Other excluded population
30091301	Effect of obstructive sleep apnea and its treatment on atrial fibrillation recurrence after radiofrequency catheter ablation: A meta- analysis	American Journal of Respiratory and Critical Care Medicine	Congrete, S. and Thongprayoon, C. and Boonpheng, B. and Sharma, K. and Chokesuwattanaskul, R. and Srivali, N. and Tanawuttiwat, T. and Cheungpasitporn, W.	P: Other excluded population
24945037	Impact of obstructive sleep apnea on cardiovascular outcomes in patients treated with percutaneous coronary intervention: Rationale and design of the sleep and stent study	Clinical Cardiology	Loo, G. and Koo, C. Y. and Zhang, J. and Li, R. and Sethi, R. and Ong, T. H. and Tai, B. C. and Lee, C. H.	P: Other excluded population
29703065	Association of obstructive sleep apnea with cardiovascular outcomes after percutaneous coronary intervention: A systematic review and meta-analysis	Medicine (Baltimore)	Wang, X. and Fan, J. Y. and Zhang, Y. and Nie, S. P. and Wei, Y. X.	P: Other excluded population
29773211	Treating obstructive sleep apnea with continuous positive airway pressure reduces risk of recurrent atrial fibrillation after catheter ablation: a meta-analysis	Sleep Med	Deng, F. and Raza, A. and Guo, J.	P: Other excluded population
18203817	Randomised trial of CPAP vs bilevel support in the treatment of obesity hypoventilation syndrome without severe nocturnal desaturation.	Thorax	Piper AJ and Wang D and Yee BJ and Barnes DJ and Grunstein RR	P: Other excluded population
	The effect of CPAP treatment on rehabilitation outcome of stroke patients with obstructive sleep apnea	Brain injury	Aaronson, J. and Hofman, W. and Van Bennekom, C. and Van Bezeij, T. and Van Den Aardweg, J. and Groet, E. and Kylstra, W. and Schmand, B.	P: Other excluded population
27178625	Obstructive Sleep Apnea and Cardiovascular Events After	Circulation	Lee, C. H. and Sethi, R. and Li, R. and Ho, H. H. and Hein, T. and Jim, M. H. and Loo, G. and Koo, C. Y. and Gao, X. F. and Chandra, S. and Yang, X. X. and Furlan, S. F. and Ge,	P: Other excluded population

PubMed ID	Title	Journal	Authors	Rejection Reason
	Percutaneous Coronary Intervention		Z. and Mundhekar, A. and Zhang, W. W. and Uchoa, C. H. and Kharwar, R. B. and Chan, P. F. and Chen, S. L. and Chan, M. Y. and Richards, A. M. and Tan, H. C. and Ong, T. H. and Roldan, G. and Tai, B. C. and Drager, L. F. and Zhang, J. J.	
24733715	Short- and long-term effects of nocturnal oxygen therapy on sleep apnea in chronic heart failure	Sleep Breath	Bordier, P. and Orazio, S. and Hofmann, P. and Robert, F. and Bourenane, G.	P: Other excluded population
25766718	Long-Term Effectiveness and Safety of Maxillomandibular Advancement for Treatment of Obstructive Sleep Apnea	J Clin Sleep Med	Boyd, S. B. and Walters, A. S. and Waite, P. and Harding, S. M. and Song, Y.	P: Other excluded population
30550176	Effect of butylphthalide on oxidative stress and cognitive function in old obstructive sleep apnea hypopnea syndrome patients	Lin Chung Er Bi Yan Hou Tou Jing Wai Ke Za Zhi	Zhang, P. P. and Wang, Y. H. and Han, X. Q. and Huang, C. and Ge, Y. L. and Wang, Y. and Zhao, Y. N. and Wang, L. and Wang, J. H. and Wang, H. Y.	P: Other excluded population
	Comparison of positional therapy versus continuous positive airway pressure in patients with positional obstructive sleep apnea: A metaanalysis of randomized trials			SR (no eligible studies)
	Efficacy of the New Generation of Devices for Positional Therapy for Patients With Positional Obstructive Sleep Apnea: A Systematic Review of the Literature and Meta-Analysis		Ravesloot MJL, et al.	SR (no eligible studies)

Appendix C. Study Descriptions

Table C-1. Key Question 1 CPAP Efficacy: Design Details (RCTs)

Author, Year, PMID, Study Name	Specific KQ	Funder	Start and end years of the Study	Inclusion criteria	Eligibility: Minimum AHI (threshold)	Exclusion criteria	Specific population	Definition of OSA	Sleep study setting/monitor type at baseline	Follow-up AHI measurement
Aarab, 2017, 28083705	KQ 2a: CPAP vs. non-CPAP intervention	Non-industry (fully)	NR	age >18 years, ESS 10 or at least two of the symptoms suggested by the American Academy of Sleep Medicine Task Force, e.g., unrefreshing sleep and daytime fatigue	5	Respiratory/sleep disorder other than OSA, BMI >40, Medication usage that could influence respiration or sleep, Periodic limb movement disorder, Previous treatment with CPAP or MAD, upper airway abnormalities (e.g., enlarged tonsils), TMJ disorders, periodontal problems, dental pain, lack of retention for an oral appliance.	No (all comers or not specified)	NR	Sleep lab	Same as baseline
Barbé, 2012, 22618923	KQ 2a: CPAP vs. no intervention	Industry (fully or in part)	2004-2009	Between 18 and 70 years, showed 20 or more apneas plus hypopneas per hour (apnea-hypopnea index [AHI]) in an overnight sleep study, and had no daytime hypersomnolence, defined as an ESS score of 10 or lower (ESS scores have a range of 0-24).	AHI >= 20	NR	No (all comers or not specified)	Absence of airflow in the presence of chest or abdominal wall motion.	Sleep lab, Home/portable	Same as baseline
Bloch, 2018, 28982804	KQ 2a: CPAP vs. CPAP	Industry (fully or in part)	2006-2014	Patients with OSA (AHI 10/hour), aged 18 to 75 years, both sexes, diagnosed by a compatible history with complaints of excessive sleepiness	AHI>/=10	NR	No (all comers or not specified)	NR	Sleep lab	Unclear

Author, Year, PMID, Study Name	Specific KQ	Funder	Start and end years of the Study	Inclusion criteria	Eligibility: Minimum AHI (threshold)	Exclusion criteria	Specific population	Definition of OSA	Sleep study setting/monitor type at baseline	Follow-up AHI measurement
Craig, 2012, 23111478, MOSAIC	KQ 2a: CPAP vs. no intervention	Industry (fully or in part)	2006-2010	45-75 years, proven OSA, >7.5 per hour oxygen desaturations of >4%,		ventilatory failure, Cheyne-Stokes breathing, previous exposure to CPAP, systolic blood pressure (BP) >180 or diastolic BP >110 mmHg	No (all comers or not specified)	oxygen desaturation index >7.5/h	Sleep lab	No followup measurement
de Vries, 2019, 31596213	KQ 2a: CPAP vs. non-CPAP intervention	Non-industry (fully)	2012-2016	>/=18 years	>/=15	NR	No (all comers or not specified)	AHI>/=5 events/h	Sleep lab, Home/portable	Same as baseline
Doff, 2013, 23997361	KQ 2a: CPAP vs. non-CPAP intervention	Non-industry (fully)	2002-2005	AHI >/=5, older than 20y	5	Previous treatment of OSA (CPAP, oral appliance), morphological airway abnormalities requiring treatment, endocrine dysfunction, history of severe cardiac or pulmonary disease, moderate or severe periodic limb movement disorder	No (all comers or not specified)	AHI >/=5	Home/portable	Same as baseline
Huang, 2015, 25125635	KQ 2a: CPAP vs. no intervention	Non-industry (fully)	2009-2012	moderate to severe OSA, 45-75 years, HTN, CHD, treated for HTN for 3 mo with BP still >140/90 mm Hg or >130/80 mm Hg in patients with diabetes	>/=15	secondary HTN, central SA, ESS 15, hepatic failure, severe pulmonary disease, malignant cancer with life expectancy <2 y, psychiatric disease, alcoholism, heart failure, medication that affects BP, current CPAP use, pharyngeal surgery for OSA	No (all comers or not specified)	moderate OSA was defined as an apnea hypopnea index (AHI) of 15-29 episodes /hour, and severe OSA was defined as an AHI of at least 30 episodes /hour)	Sleep lab	No followup measurement

Author, Year, PMID, Study Name	Specific KQ	Funder	Start and end years of the Study	Inclusion criteria	Eligibility: Minimum AHI (threshold)	Exclusion criteria	Specific population	Definition of OSA	Sleep study setting/monitor type at baseline	Follow-up AHI measurement
Kushida, 2011, 21804670	KQ 2a: CPAP vs. CPAP	Industry (fully or in part)	NR	age 21-75 years, OSA diagnosis with AHI</=15, adequate clinical CPAP titration within 2 weeks of enrollment	AHI>/=15	the need for more than one titration PSG, the use of sedatives or hypnotics during the titration PSG, a major medical or psychiatric condition, prior prescription for, or exposure to PAP therapy within the previous year, chronic respiratory failure, surgery of the upper airway, nose, sinus, or middle ear within the previous 90 days, surgery at any time for the treatment of OSA; presence of untreated or poorly managed non-OSA related sleep disorders, use of medications with hypnotic or sedative effects or regular use of nighttime sedatives or sleeping aids 1 night per week, consumption of ethanol > 4 nights per week, shift workers	No (all comers or not specified)	AHI>/=15	Sleep lab	Same as baseline ; Same as baseline
Kushida, 2012, 23204602, APPLES	KQ 2a: CPAP vs. CPAP	Non-industry (fully)	NR	age 18 years, OSA	10	prior OSA treatment with CPAP or surgery, anyone in the household with current/past CPAP use, sleepiness-related automobile accident within past year, oxygen saturation < 75% for > 10% of the diagnostic PSG including known neurocognitive impairment, disorders,	Population specified...	NR	Sleep lab	No followup measurement

Author, Year, PMID, Study Name	Specific KQ	Funder	Start and end years of the Study	Inclusion criteria	Eligibility: Minimum AHI (threshold)	Exclusion criteria	Specific population	Definition of OSA	Sleep study setting/monitor type at baseline	Follow-up AHI measurement
						medications, or substances that could potentially affect neurocognitive function and/or alertness.				
McEvoy, 2016, 27571048, SAVE	KQ 2a: CPAP vs. no intervention; KQ 2b: within study concordance among AHI and validated sleep questionnaires	Industry (fully or in part)	2008-2016	age between 45 and 75 years, a diagnosis of coronary artery disease or cerebrovascular disease, and a diagnosis of moderate-to-severe obstructive sleep apnea, have a minimum level of adherence to CPAP therapy (an average of 3 hours per night) during a 1-week run-in period	30 (moderate-severe OSA)	severe daytime sleepiness (ESS>15), were considered to have an increased risk of an accident from falling asleep, very severe hypoxemia, a pattern of Cheyne Stokes respiration, overt heart failure, reported a sleepiness-related accident in the previous 6 months, prior use of CPAP treatment for OSA	Population specified... (older patients (45-75 years), with a diagnosis of coronary artery disease or cerebrovascular disease)	oxygen desaturation index 12 (moderate-to-severe OSA)	Sleep lab	Same as baseline
McMillan, 2014, 25172769	KQ 2a: CPAP vs. no intervention	Non-industry (fully)	NR	>= 65 years or older with newly diagnosed OSA syndrome	NR	previous exposure to CPAP, awake oxygen saturation (SpO2) less than 90% on air, ratio of forced expiratory volume in 1 s to forced vital capacity of less than 60%, being a professional driver, reporting sleepiness while driving, shift work, or any severe symptom of OSA syndrome for which the referring physician felt CPAP was mandatory.	Population specified... (>=65)	OSAS was defined as a oxygen desaturation index (ODI) at >= 4% desaturation threshold level for > 7.5 events/hour and an Epworth Sleepiness Scale (ESS) score of >= 9.	Home/portable	No followup measurement

Author, Year, PMID, Study Name	Specific KQ	Funder	Start and end years of the Study	Inclusion criteria	Eligibility: Minimum AHI (threshold)	Exclusion criteria	Specific population	Definition of OSA	Sleep study setting/monitor type at baseline	Follow-up AHI measurement
Meurice, 2007, 17638595	KQ 2a: CPAP vs. CPAP	Not reported (or unclear)	NR	SAHS patients naive to nasal CPAP and had not undergone any nasopharyngeal surgery.	AHI > 30/h of sleep or > 10 micro-arousals/h	> 20% of respiratory disturbances characterized as central events, or taking sedatives such as benzodiazepines or other hypnotics	No (all comers or not specified)	NR	Sleep lab	Different: Setting (Home/portable)
Monasterio, 2001, 11587974	KQ 2a: CPAP vs. no intervention; KQ 2b: within study concordance among AHI and validated sleep questionnaires	Non-industry (fully)	NR	Mild OSA (defined as an AHI between 10 and 30) and absence of severe daytime sleepiness	AHI 10	AHI greater than 20, hazardous jobs, notable cardiovascular disease, and conditions that may affect cognitive or quality of life evaluation: severe neurological or psychiatric disease, severe chronic disease, or illiteracy	No (all comers or not specified)	NR	Sleep lab	Same as baseline
Peker, 2016, 26914592, RICCADSA	KQ 2a: CPAP vs. no intervention	Industry (fully or in part)	2005-2010	CAD (post-PCI or CABG) w/in 6 mo, ESS <10	15	Existing OSA patients, an AHI of 5.0 14.9/h, predominantly central apneas with Cheyne-Stokes respiration	Population specified... (CAD, nonsleepy OSA)	AHI 5	Sleep lab, Home/portable	Different: Setting (Home/portable)
Shaw, 2016, 26926656	KQ 2a: CPAP vs. no intervention	Industry (fully or in part)	2007-2011	18 years or older and had type 2 diabetes, and an ODI of 15 or more events per hour	NR	AHI > 70, oxygen saturation <70% for >2 min), previous PAP therapy use, transport-related occupation, motor vehicle collision related to sleepiness in the previous 5 years, insulin or glucagon-like peptide-1 receptor agonist treatment, unstable angina or uncontrolled hypertension, BMI > 40 kg/m2 or past bariatric surgery, Cheyne Stokes respiration, pregnancy, epistaxis, claustrophobia	Population specified... (Type 2 diabetes)	ODI >= 15 events/hour	NR	No followup measurement

Author, Year, PMID, Study Name	Specific KQ	Funder	Start and end years of the Study	Inclusion criteria	Eligibility: Minimum AHI (threshold)	Exclusion criteria	Specific population	Definition of OSA	Sleep study setting/monitor type at baseline	Follow-up AHI measurement
Wu, 2016, 26993342	KQ 2a: CPAP vs. no intervention	Non-industry (fully)	2011-2014	age 30 65 years; resident in an urban area; and >8 years of education.	>=15	diagnosis of CSA, restless leg syndrome, REM sleep behavior disorders, periodic limb movement disorders, and narcoleptic spectral disorders, among others; previous treatment for sleep apnea including medical or CPAP intervention; diagnosis incompatible with wearing a CPAP facemask; history of head injury, psychiatric disorder including alcohol or drug abuse, or use of drugs that could interfere with cognitive function; previous or current medical treatment for hypertension, diabetes mellitus, or hyperlipidemia; 6) a history of stroke, chronic heart failure, coronary heart disease, or other severe visceral diseases, which could affect cognitive function and serum C-reactive protein concentration; BMI >35 kg/m2	Population specified (Severe OSA)	AHI >= 15	Sleep lab	No followup measurement
Zhao, 2017, 28419387, BestAIR	KQ 2a: CPAP vs. no intervention	Industry (fully or in part)	2011-2015	an apnea-hypopnea index (AHI) 4% >/=10 events/hour or AHI 3% 15 events/hour and were either aged 45 to 75 years with established CVD (coronary artery disease, ischemic stroke, or diabetes) or aged 55	10	a cardiovascular event <4 months prior to enrollment, prior CPAP use, excessive sleepiness, CSA, working as a professional driver, poorly controlled hypertension,	Population specified... (high cardiovascular risk Individuals with sleep apnea)	NR	Sleep lab, Home/portable	No followup measurement

Author, Year, PMID, Study Name	Specific KQ	Funder	Start and end years of the Study	Inclusion criteria	Eligibility: Minimum AHI (threshold)	Exclusion criteria	Specific population	Definition of OSA	Sleep study setting/monitor type at baseline	Follow-up AHI measurement
				to 75 years with 3 or more CVD risk factors (male, body mass index [BMI] 30 kg/m2, hypertension, dyslipidemia, or 10 pack-years of smoking)		diagnosed heart failure with EF of <35% or NYHA class 3 or 4 status, comorbid sleep disorder				

Table C-2. Key Question 1 CPAP Efficacy: Design Details (NRCSs)

Author, Year, PMID, Study Name	Specific KQ	Funder	Start and end years of the Study	Inclusion criteria	Minimum AHI (threshold)	Exclusion criteria	Specific population	Definition of OSA	Sleep study setting/monitor type at baseline	Follow-up AHI measurement
Bjornsdottir, 2015, 25431105, ISAC	KQ 2a: CPAP vs. no intervention	Non-industry (fully)	2005-2009	patients diagnosed with moderate to severe OSA (AHI 15 events/hr) referred to the Pulmonary Department, The National University Hospital of Iceland for treatment with PAP	>= 15	Partial PAP users	No (all comers or not specified)	AHI >= 15	Sleep lab	No followup measurement
Botros, 2009, 19958890	KQ 2a: CPAP vs. no intervention	Non-industry (fully)	2000-2005	patients referred for initial evaluation of sleep-disordered breathing who had at least 2 hours of sleep monitoring and a fasting glucose level <126 mg/ dL	21	The entire polysomnographic study was performed with airway pressurization for therapeutic purposes	Population specified... (Veterans)	NR	Sleep lab	No followup measurement
Budweiser, 2013, 23088487	KQ 2a: CPAP vs. non-CPAP intervention	Not reported (or unclear)	2007-2009	suspected OSA,	<5/hr	patients with other additional risk factors for ED	Population specified...	>/=5/hr	Sleep lab	Same as baseline ; Same as baseline

Author, Year, PMID, Study Name	Specific KQ	Funder	Start and end years of the Study	Inclusion criteria	Minimum AHI (threshold)	Exclusion criteria	Specific population	Definition of OSA	Sleep study setting/monitor type at baseline	Follow-up AHI measurement
Crawford-Achour, 2015, 25700873, PROOF	KQ 2a: CPAP vs. no intervention	Not reported (or unclear)	2001-2009	aged 65 years	NR	history of MI, stroke, heart failure, AF; type DM; pacemaker implantation; a pathological condition limiting life expectancy to < 5 years; a contraindication to a brain MRI; being institutionalized; or planning to move during the next 2 years	Population specified... (65 years)	AHI >30 was considered severe OSA	NR	Same as baseline
de Batlle, 2018,	KQ 2a: CPAP vs. no intervention	Industry (fully or in part)	2012-2015	OSA (implied)	NR	NR	No (all comers or not specified)	NR	NR	NR
Jara, 2018, abstract	KQ 2a: CPAP vs. no intervention	Non-industry (fully)	1993-2013	adult veterans diagnosed with OSA	NR	NR	Population specified... (veterans)	NR	NR	No followup measurement
Jara, 2018, 29800001	KQ 2a: CPAP vs. no intervention	Non-industry (fully)	2007-2010	newly diagnosis of OSA receiving a medical recommendation to start CPAP therapy	5	no telephone, had a previously diagnosed sleep disorder, or planned to move locations	No (all comers or not specified)	AHI 5	NR	No followup measurement
Jennum, 2015, 25914563	KQ 2a: CPAP vs. no intervention	Non-industry (fully)	1999-2014	Diagnosed with OSA (ICD-10 code G473 in Denmark) >= 20 years	AHI > 15 apnea/hypopneas per hour, or milder apnea with major comorbidities or symptoms attributable to OSA.	ND	No (all comers or not specified)	ICD-10 (G473 in Denmark)	NR	NR
Lisan, 2019, 30973594, SHHS	KQ 2a: CPAP vs. no intervention	Non-industry (fully)	1995-2011	>= 40 years, able and willing to undergo a home PSG	average number of apneas plus hypopneas per hour of sleep.	NR	No (all comers or not specified)	NR	Sleep lab, Home/portable	Same as baseline
López-Padilla, 2016, 27198943	KQ 2a: CPAP vs. no intervention	Not reported (or unclear)	1996-2010	80 years of age at OSA diagnosis	20	previous treatment with CPAP or biPAP, central SA, obesity	No (all comers or not specified)		Sleep lab, Home/portable	Same as baseline ; Same as baseline

Author, Year, PMID, Study Name	Specific KQ	Funder	Start and end years of the Study	Inclusion criteria	Minimum AHI (threshold)	Exclusion criteria	Specific population	Definition of OSA	Sleep study setting/monitor type at baseline	Follow-up AHI measurement
						hyperventilation syndrome, chronic respiratory failure				
Myllylä, 2019, 30848437	KQ 2a: CPAP vs. no intervention	Non-industry (fully)	2002-2011	Commenced CPAP for OSA	>15/h	Missing PSG data	No (all comers or not specified)	AHI 5	Sleep lab, Home/portable	No followup measurement
Nakamura,, 2009, ONSLEEP	KQ 2a: CPAP vs. no intervention	Not reported (or unclear)	1990-2004	sleep apnea diagnosis	>5/hr	non-Japanese, and those who failed to answer follow-up phone calls or letters	Population specified... (Japanese)	OSA was defined as AHI >=5/h and obstructive in type when obstructive apneas + mixed apneas + hypopneas constituted >=50% of total apnea-hypopnea events	NR	No followup measurement
Ou, 2015, 26068440	KQ 2a: CPAP vs. no intervention	Non-industry (fully)	1998-2005	Elderly subjects (>/=60 years) with moderate to severe sleep apnea (AHI 20 events/h), no history of cancer, and no acute illness	20	NR	Population specified... (elderly subjects)	AHI 5	Sleep lab	No followup measurement
Schipper, 2017, 28550476	KQ 2a: CPAP vs. no intervention	Not reported (or unclear)	NR	Newly diagnosed OSA in 2009 and 2010 (AHI >=5) and >18 years	AHI >=5	History of CVE	No (all comers or not specified)	OSA defined as mild when AHI >=5 to <15, moderate when AHI >= 15 to <30 and an AHI >=	Sleep lab, Home/portable	Same as baseline

Author, Year, PMID, Study Name	Specific KQ	Funder	Start and end years of the Study	Inclusion criteria	Minimum AHI (threshold)	Exclusion criteria	Specific population	Definition of OSA	Sleep study setting/monitor type at baseline	Follow-up AHI measurement
								30 as severe.		
Wu, 2015, 25412159	KQ 2a: CPAP vs. no intervention	Non-industry (fully)	2002-2012	Patients had percutaneous coronary intervention for coronary artery disease (69.2% for acute coronary syndrome) and had moderate-severe OSA defined by an AHI 15 events/h	AHI 15	NR	Population specified (Patients had percutaneous coronary intervention for coronary artery disease)	AHI 5	Sleep lab	No followup measurement

Table C-3. Key Question 1 CPAP Efficacy: Arm Details

Author, Year, PMID	Arm	Arm Description	Device name	Device description	CPAP Titration method	CPAP: Dynamic or fixed pressures	Hours/ nights prescribed	Other features
Aarab, 2017, 28083705	CPAP	nCPAP	REMstar Pro system (Respironics,Herrsching, Germany).	-	-	The pressure was increased in steps of 1 cm H2O/hour, until the AHI and respiration-related arousals were reduced to 5/hour, and snoring was minimized. The average value of the pressure was 7.3 (SD, 1.9; range, 4 11) cm H2O [9].	-	nasal CPAP
	MAD	-	-	-	-	-	-	-
	No CPAP	-	-	-	-	-	-	-
Barbé, 2012, 22618923	CPAP	-	-	-	Conventional PSG or an autoCPAP device following	-	-	-

Author, Year, PMID	Arm	Arm Description	Device name	Device description	CPAP Titration method	CPAP: Dynamic or fixed pressures	Hours/ nights prescribed	Other features
					a validated protocol			
	No CPAP	-	-	-	-	-	-	-
Bjornsdottir, 2015, 25431105	CPAP	Participants who used PAP for >/=20 days and >/=4 hrs/day on average for the previous four weeks based on objective data or >/=5 nights/week for >/=60% of the night by questionnaire	various, including ResMed S8	trained staff helped them to find the type of device and settings they needed	-	-	>= 4	-
	No CPAP	returned their PAP device within one year of therapy initiation and did not undergo upper airway surgery and were not using mandibular device	-	-	-	-	-	-
Bloch, 2018, 28982804	CPAP	Autoadjusted CPAP	Embla or Embletta, ResMed Schweiz, Basel Switzerland; or RespirTrace PT, NIMS, Miami Beach, USA; or Alice 4, Respironics Schweiz, Zofingen Switzerland	-	-	Auto CPAP (pressure 5 15 mbar)	-	-
	CPAP [Fixed CPAP]	Fixed CPAP	Embla or Embletta, ResMed Schweiz, Basel Switzerland; or RespirTrace PT, NIMS, Miami Beach, USA; or Alice 4, Respironics Schweiz, Zofingen Switzerland	-	-	Fixed CPAP: pressure set at the 90th percentile applied by the autoCPAP device during adaptation	-	-
Botros, 2009, 19958890	CPAP	-	Astro-Med , Astro-Med Inc., West Warwick, RI	Grass data-acquisition systems	-	-	-	Recordings were manually scored according

Author, Year, PMID	Arm	Arm Description	Device name	Device description	CPAP Titration method	CPAP: Dynamic or fixed pressures	Hours/ nights prescribed	Other features
								to standard criteria.
	No CPAP	-	-	-	-	-	-	-
Budweiser, 2013, 23088487	CPAP	-	-	-	-	-	-	-
	No CPAP	-	-	-	-	-	-	-
Craig, 2012, 23111478	CPAP	-	Autoset S8, ResMed, Abingdon, UK	-	auto-adjusting CPAP machine	-	-	-
	No CPAP	-	-	-	-	-	-	-
Crawford-Achour, 2015, 25700873	CPAP	-	-	-	-	-	-	-
	No CPAP	-	-		-	-	-	-
de Batlle, 2018,	CPAP	-	Any (implied)	-	-	-	-	-
	No CPAP	-	-	-	-	-	-	-
de Vries, 2019, 31596213	CPAP	-	Philips Respironics REMstar Auto A-Flex, provided by VitalAire BV The Netherlands	auto adjusting CPAP for 3 weeks, after which the appropriate fixed CPAP pressure for each individual patient was set by a skilled, specialized nurse (ie, highest pressure derived from the Hoffstein formula32 or the 90% criterion (mean pressure 90% of the time) of the auto-adjusting CPAP	auto adjusting	-	-	During the study, patients were allowed to change their mask and to use chinstraps or a humidifier if desired.
	MAD	-	-	-	-	-	-	-
Doff, 2013, 23997361	CPAP	-	Breas PV10, M lnlycke, Sweden	-	performed during an afternoon nap	-	-	fitted with a comfortable CPAP mask before titration, adjustments of CPAP therapy were continued

Author, Year, PMID	Arm	Arm Description	Device name	Device description	CPAP Titration method	CPAP: Dynamic or fixed pressures	Hours/ nights prescribed	Other features
								until the AHIwas < 5
	MAD	-	Thornton Adjustable Positioner type-1, Airway Management, Inc., Dallas, TX, USA	-	-	-	-	-
Huang, 2015, 25125635	CPAP	-	-	-	fixed-level CPAP titration using an automated pressure setting device for 1 night.	fixed	-	-
	No CPAP	-	-	-	-		-	-
Jara, 2018, 29800001	CPAP	more than 4 hours per night of CPAP use (objectively measured with an embedded CPAP pressure-on recorder) during the 4 weeks immediately before the 12-month follow-up visit	REMstar Auto M Series or the REMstar Pro M Series (Phillips Respironics, Inc)	The type of CPAP machine prescribed to patients was chosen at the discretion of the physicians participating in the parent trial.	NR	NR	4	-
	No CPAP	fewer than 0.5 hours per night of CPAP use (or self-reported nonuse of CPAP if the data were not available) in the 4 weeks immediately before the 12- month follow-up visit.	-	-	-	-	<0.5	-
Jennum, 2015, 25914563	CPAP	-	-	-	-	-	-	-
	No CPAP	-	-	-	-	-	-	-
Kushida, 2011, 21804670	CPAP	Standard CPAP with a fixed pressure	REMstar Auto M-Series, Philips Respironics, Murrysville PA	Standard CPAP with a fixed pressure for the duration of the study period	Participants randomized to the CPAP group underwent a full-night PSG to document the efficacy of the standard, fixed pressure CPAP determined from their prior clinical	fixed	NR	-

Author, Year, PMID	Arm	Arm Description	Device name	Device description	CPAP Titration method	CPAP: Dynamic or fixed pressures	Hours/ nights prescribed	Other features
					CPAP titration PSG.			
	APAP	APAP (4-20 cm H2O) for 14 days, then switching to standard CPAP at a fixed pressure	REMstar Auto M-Series, Philips Respironics, Murrysville PA	APAP (4-20 cm H2O) for 14 days, then switching to standard CPAP at a fixed pressure (determined from the APAP device at a level corresponding to the 90% pressure) for the remainder of the study period	Participants in the APAP group underwent full-night PSG on conventional APAP.	automatically adjusted	NR	-
	APAP plus A-Flex	A-Flex is a comfort feature of PAP delivery that works with the automatic adjusting CPAP algorithm	REMstar Auto M-Series, Philips Respironics, Murrysville PA	Automatically adjusted CPAP (APAP, pressure range between 4 and 20 cm H2O) with A-Flex for the duration of the study period	Participants in the A-Flex group underwent full-night PSG on APAP with A-Flex.	automatically adjusted	NR	-
Kushida, 2012, 23204602	CPAP	-	-	-	-	-	-	-
	Sham CPAP	-	REMstar Pro, Philips Respironics, Inc.	-	-	-	-	-
Lisan, 2019, 30973594	CPAP	-	-	-	-	-	-	-
	No CPAP	-	-	-	-	-	-	-
López-Padilla, 2016, 27198943	CPAP	-	-	-	nocturnal pulse oximetry(before 2000) using Oliver and Hoffstein formula(2000 to 2008) or automatic (after 2008)	-	-	-
	No CPAP	-	-	-	-	-	-	-
Martínez-García, 2012, 22983957	CPAP	-	-	-	CPAP was titrated in the sleep laboratory on a second night by either full standard PSG or an autotitrating CPAP device.	-	-	-
	No CPAP	Not prescribed, declined, or <4 hr/night	-	-	-	-	-	-

Author, Year, PMID	Arm	Arm Description	Device name	Device description	CPAP Titration method	CPAP: Dynamic or fixed pressures	Hours/ nights prescribed	Other features
McEvoy, 2016, 27571048	CPAP	CPAP plus usual care	REMstar Auto, M or PR series, Philips Respironics	an automated positive airway pressure machine	-	automatic	-	mask-delivered
	No CPAP	usual care	-	-	-	-	-	-
McMillan, 2014, 25172769	CPAP	-	S9 Autoset, ResMed Ltd, Oxfordshire, UK	auto-titrating CPAP devices (S9 Autoset, ResMed [UK] Ltd, Oxfordshire, UK), humidifiers, and a range of interfaces. CPAP treatment (auto-titrating with default minimum and maximum pressure settings at 4 20 cm H2O) was initiated using the standard practice in each centre, by appropriately qualified staff not involved in trial outcomes. Humidification and choice of interface were made on an individual patient basis.	auto	-	-	humidifier
	No CPAP	Best supportive care (BSC)	-	-	-	-	-	-
Meurice, 2007, 17638595	CPAP [fixed CPAP]	fixed CPAP	-	fixed CPAP whose effective positive pressure was manually determined during the laboratory titration by the technician, based on the disappearance of snoring, apnea and hypopnea in all sleep stages and all body positions	-	Fixed	minimum duration of 5 h/night	-
	APAP [GK 418 P [Tyco]]	GK 418 P [Tyco]	GK 418 P, 3.1 version; Tyco healthcare	This model had the same software as the recent 420 E 3.6 silverlining. Default setting: When mean pressure during polysomnographic titration was 610 cm H2O, upper limit was 14 cm H2O, and minimal limit was 4 cm H2O. When mean pressure during polysomnographic titration was >10 cm H2O, then upper limit was fixed at 18 cm H2O, without any change in minimal pressure level.	titration was 610 cm H2O, upper limit was 14 cm H2O, and minimal limit was 4 cm H2O.	-	minimum duration of 5 h/night	-

Author, Year, PMID	Arm	Arm Description	Device name	Device description	CPAP Titration method	CPAP: Dynamic or fixed pressures	Hours/ nights prescribed	Other features
	APAP [AutoSet [ResMed]]	AutoSet [ResMed]	AutoSet Spirit, 302 version; ResMed	The software used in this model did not have any difference from the recent 312 version in terms of the Advantage algorithm. Default setting: upper level pressure: 18 cm H2O; lower pressure limit: 4 cm H2O.	-	-	minimum duration of 5 h/night	-
	APAP [PV 10i [Breas]]	PV 10i [Breas]	PV 10I, firmware 0.92 version; Breas	Default setting: upper level pressure: 18 cm H2O; lower pressure limit: 4 cm H2O.	-	-	minimum duration of 5 h/night	-
	APAP [Somnosmart 1 [Weinmann]]	Somnosmart 1 [Weinmann]	Somnosmart 1, 2.02 version, Weinmann	Default setting: Upper level pressure: 18 cm H2O; lower pressure limit: 4 cm H2O.	-	-	minimum duration of 5 h/night	-
Monasterio, 2001, 11587974	CPAP [CPAP + conservative treatment]	CPAP + conservative treatment	-	-	Full polysomnography for CPAP titration was performed following the baseline evaluation	The mean CPAP pressure prescribed in group II was 7 1.7 cm H2O	4	Compliance was monitored by the time clocks on the CPAP units
	No CPAP	-	-	-	-	-	-	-
Myllylä, 2019, 30848437	CPAP	-	-	-	-	-	-	-
	No CPAP	Discontinued despite doctor's advice	-	-	-	-	-	-
Nakamura,, 2009,	CPAP	agreed to the treatment and actually borrowed the apparatus.	-	-	-	-	-	-
	No CPAP	Some qualified and eligible patients refused CPAP for personal reasons, and were assigned as CPAP non-users	-	-	-	-	-	-
Ou, 2015, 26068440	CPAP	-	-	-	-	-	-	-
	No CPAP	-	-	-	-	-	-	-
Peker, 2016, 26914592	CPAP	-	ResMed S8 or S9 self-titrating CPAP	automatic (self-titrating) CPAP device	Self	-	4	nasal or full-face mask and humidifier

Author, Year, PMID	Arm	Arm Description	Device name	Device description	CPAP Titration method	CPAP: Dynamic or fixed pressures	Hours/ nights prescribed	Other features
	No CPAP	-	-	-		-	-	-
Schipper, 2017, 28550476	CPAP	-	-	-	-	-	>4 hours/night	-
	No CPAP	-	-	-	-	-	-	-
Shaw, 2016, 26926656	PAP	PAP	S8 AutoSet Spirit II; ResMed	device (S8 AutoSet Spirit II; ResMed) in autoadjusting mode (pressure settings between 5 and 20 cm H2O). PAP therapy use data were downloaded at each clinic visit to provide usage hours, leak, and residual AHI	NR	auto-adjusting mode (pressure settings between 5 and 20 cm H2O)	NR	-
	No CPAP	-		-	-	-	-	-
Wu, 2016, 26993342	CPAP	-	Auto CPAP, Philips Respironics	titrated automatically (Auto CPAP, Philips Respironics) before therapy, set at a pressure range of 4 to 18 cmH2O for 7 days to maintain airway pressure at 90%. Then we replaced the automatic device with the CPAP model that provided the optimal fixed pressure for each patient.	automatically	dynamic then fixed	>20 h/week	-
	No CPAP	conservative treatment (CT) consisting of a home weight loss program following a diet and exercise plan if BMI was> 27 kg/m2; avoidance of sedatives and alcohol consumption; avoidance of fatigue; and avoidance of the supine position during sleep	-	-	-	-	-	-
Wu, 2015, 25412159	CPAP	-	-	-	Patients underwent in-laboratory CPAP titration using limited cardiorespiratory polygraphy; a successful CPAP titration was defined as achieving an AHI < 5.	NR	4h/night	-

Author, Year, PMID	Arm	Arm Description	Device name	Device description	CPAP Titration method	CPAP: Dynamic or fixed pressures	Hours/ nights prescribed	Other features
	No CPAP	-	-	-	-	-	-	-
Zhao, 2017, 28419387	CPAP	A combined CPAP arm (CMT + CPAP and CMT + CPAP + ME)	REMStar Auto (Philips Respironics) or the S9 Autoset (ResMed)	-	PAP levels are determined through overnight laboratory titrations or through auto-PAP titration protocols.	fixed	4	meet with a trained sleep technician for troubleshooting; equipped with a modem to transmit nightly objective adherence data
	No CPAP	A combined control arm (CMT and CMT + sham CPAP)	Sham-CPAP in Philips Respironics devices	-	-	Sham-CPAP in Philips Respironics devices was set to reveal a pressure of 10 cm H2O, with a restrictor limiting outflow to 50 l/min and an intentional air leak to provide a peak pressure of approximately 2.4 cm H2O. ResMed sham-CPAP was delivered by restricting mask pressure at less than 1 cm H2O and increasing air leak and vent flow, producing a maximum mask pressure of 4 cm H2O.	-	-

Table C-4. Key Question 1 CPAP Efficacy: CPAP compliance

Author, Year, PMID	Arm	CPAP compliance ≥4 hr/night(time point)	CPAP compliance hr/night(time point)	CPAP compliance nights used(time point)	CPAP compliance; Discontinued(time point)	CPAP Non-compliant(time point)	Noncompliant definition
Aarab, 2017, 28083705	CPAP	-	-	Mean 82.9; SD 27.2 (6 mo)/week	-	-	-
	MAD	-	-	Mean 90.6; SD 13.3 (6 mo)/week	-	-	-
	No CPAP	-	-	Mean 93.9; SD 15.7 (6 mo)/week	-	-	-
Barbé, 2012, 22618923	CPAP	-	-	-	-	-	-
	No CPAP	-	-	-	-	-	
Bjornsdottir, 2015, 25431105	CPAP	-	-	-	-	-	used PAP for <20 days and <4 hrs/day on average
	No CPAP	-	-	-	-	-	N/A
Bloch, 2018, 28982804	CPAP	mean 5.5; SE 0.2 (2 yr)	-	-	-	-	-
	CPAP [Fixed CPAP]	mean 5.3; SE 0.3 (2 yr)	-	-	-	-	-
Botros, 2009, 19958890	CPAP	-	-	-	-	-	-
	No CPAP	-	-	-	-	-	-
Budweiser, 2013, 23088487	CPAP	89.3% (36.5+/-3.7 mo)	-	-	-	-	-
	No CPAP	-	-	-	-	-	-
Craig, 2012, 23111478	CPAP	-	Median 2.39; IQR 0.36,4.59 (6 mo)	-	-	-	-
	No CPAP	-	-	-	-	-	
Crawford-Achour, 2015, 25700873	CPAP	Mean 6.6; SD 1.1 (44.5 (26.3) mo)	-	Mean 7; SD 0.2 (44.5 (26.3) mo)/week	-	-	Good compliance was defined as adherence to treatment > 4 h per night and 85% of the nights of the week
	No CPAP	-	-	-	-	-	-
de Batlle, 2018,	CPAP	-	-	-	-	-	-
	No CPAP	-	-	-	-	-	-
de Vries, 2019, 31596213	CPAP	-	-	-	-	-	-
	MAD	-	-	-	-	-	-
Doff, 2013, 23997361	CPAP	-	Mean 6.9; SD 1.2 (2 yr)	Mean 6.8; SD 0.8 (2 y)	-	-	-

Author, Year, PMID	Arm	CPAP compliance ≥4 hr/night(time point)	CPAP compliance hr/night(time point)	CPAP compliance nights used(time point)	CPAP compliance; Discontinued(time point)	CPAP Non-compliant(time point)	Noncompliant definition
	MAD	-	-	-	-	-	-
Huang, 2015, 25125635	CPAP	-	-	-	-	-	<4h/night
	No CPAP	-	-	-	-	-	
Jara, 2018, 29800001	CPAP	mean 6.4; SD 1.2 (1 y)	-	-	-	-	-
	No CPAP	-	-	-	-	-	-
Jennum, 2015, 25914563	CPAP	-	-	-	-	-	to be in CPAP group had to be compliant for 6 months
	No CPAP	-	-	-	-	-	-
Kushida, 2011, 21804670	CPAP	-	Mean 4.40; SD 2.02 [Range 0.4-8.2] (3 mo)	-	-	-	-
	APAP	-	Mean 4.63; SD 1.75 [Range 0.03-7.85] (3 mo)	-	-	-	-
	APAP plus A-Flex	-	Mean 4.44; SD 1.98 [Range 1.5-7.5] (3 mo)	-	-	-	-
Kushida, 2012, 23204602	CPAP	-	Mean 4.2 (6 mo)	-	-	-	-
	Sham CPAP	-	Mean 3.4 (6 mo)	-	-	-	-
Lisan, 2019, 30973594	CPAP	-	-	-	-	-	NR
	No CPAP	-	-	-	-	-	
López-Padilla, 2016, 27198943	CPAP	-	-	-	-	-	-
	No CPAP	-	-	-	-	-	-
Martínez-García, 2012, 22983957	CPAP	100% (Mean 69 mo)	Mean 6.4; SD 1.4 (Mean 69 mo)	-	-	-	-
	No CPAP	-	Mean 0.9; SD 0.9 (Mean 69 mo)	-	-	-	-
McEvoy, 2016, 27571048	CPAP	42% (1 y)	mean 3.5; SD 2.4, Median 3.6; IQR 1.3-5.4 (1 y) mean 3.2 ;SD 2.7, Median 3.3; IQR 0.1-5.6 (4 y)	-	-	-	-
	No CPAP	-	-	-	-	-	-

Author, Year, PMID	Arm	CPAP compliance ≥4 hr/night(time point)	CPAP compliance hr/night(time point)	CPAP compliance nights used(time point)	CPAP compliance; Discontinued(time point)	CPAP Non-compliant(time point)	Noncompliant definition
McMillan, 2014, 25172769	CPAP	35% (1 y)	-	-	-	27% (1 yr)	discontinued CPAP
	No CPAP	-	-	-	-	-	-
Meurice, 2007, 17638595	CPAP [fixed CPAP]	-	-	-	-	-	-
	APAP [GK 418 P [Tyco]]	-	-	-	-	-	-
	APAP [AutoSet [ResMed]]	-	-	-	-	-	-
	APAP [PV 10i [Breas]]	-	-	-	-	-	-
	APAP [Somnosmart 1 [Weinmann]]	-	-	-	-	-	-
Monasterio, 2001, 11587974	CPAP [CPAP + conservative treatment]	-	-	-	7.8% (6 mo)	-	-
	No CPAP	-	-	-	-	-	-
Myllylä, 2019, 30848437	CPAP	-	Median 4.0; IQR 16.0 (median 104.0; IQR 33.0 mo)	-	-	-	<4h/day
	No CPAP	-	Median 0.7; IQR 2.6 (median 4.0; IQR 16.0 mo)	-	-	-	-
Nakamura,, 2009,	CPAP	-	-	-	-	-	-
	No CPAP	-	-	-	-	-	-
Ou, 2015, 26068440	CPAP	66.7% (2.2 y)	-	-	-	-	-
	No CPAP	-	-	-	-	-	-
Peker, 2016, 26914592	CPAP	-	Mean 5.8; SD 1.7 (1 y) Mean 6.6; SD 1.3 (6 y)	Mean 76.6; SD 24.1 (1 y) Mean 69.1; SD 19.1 (6 y)	38% (1 y) 91%(6 y)	-	-
	No CPAP	-	-	-	-	-	-
Schipper, 2017, 28550476	CPAP	-	-	-	-	-	<4 hour/night and with a frequency of < 70% of the nights
	No CPAP	-	-	-	-	-	-
Shaw, 2016, 26926656	PAP	-	Mean 4.9 (6 mo)	-	19.3% (6 mo)	1.3 % (1 mo)	-
	No CPAP	-	-	-	-	-	-

Author, Year, PMID	Arm	CPAP compliance ≥4 hr/night(time point)	CPAP compliance hr/night(time point)	CPAP compliance nights used(time point)	CPAP compliance; Discontinued(time point)	CPAP Non-compliant(time point)	Noncompliant definition
Wu, 2016, 26993342	CPAP	-	-	-	-	-	NR
	No CPAP	-	-	-	-	-	-
Wu, 2015, 25412159	CPAP	-	-	-	-	-	-
	No CPAP	-	-	-	-	-	-
Zhao, 2017, 28419387	CPAP	51.8 (6 mo)	-	-	-	56.6(6 mo)	compliant: Medicare definition (>/=4 hours per night for 70% of days)
	No CPAP	-	-	-	-	-	-

Table C-5. Key Question 1 CPAP Efficacy: Baseline Details

Author, year, PMID	Arm	Male %	Demographics %	Age	BMI	Neck circumference	AHI baseline	ESS baseline	Other sleep measures baseline
Aarab, 2017, 28083705	Total	-	-				-	-	-
	CPAP [nCPAP]	-	-	Mean 54.0; SD 10.1	Mean 30.7; SD 3.7		Mean 20.1; SD 9.0	Mean 10.7; SD 4.4	-
	MAD	-	-	Mean 50.4; SD 8.9	Mean 27.1; SD 3.2		Mean 21.4; SD 11.0	Mean 20.1; SD 9.0	-
	No CPAP	-	-	Mean 51.3; SD 9.6	Mean 31.1; SD 4.7		Mean 19.5; 8.4	Mean 10.8; SD 4.0	-
Barbé, 2012, 22618923	Total	-	-				-	-	-
	No CPAP	83.6	-	Mean 51.8; SD 11.01	Mean 31.1; SD 4.98	Mean 42.0; SD 3.70; P<0.10 btw gps? No	Median 35; IQR 26; Range 49	Mean 6.5; SD 2.24	-
	CPAP	87.7	-	Mean 52.0; SD 10.90	Mean 31.3; SD 4.86	Mean 42.4; SD 3.64; P<0.10 btw gps? No	Median 42; IQR 29; Range 59	Mean 6.5; SD 2.27	-
Bjornsdottir, 2015, 25431105	Total	81	-	Mean 54.6; SD 10.7	Mean 33.4; SD 5.6		-	Mean 11.7; SD 5.1	-
Bloch, 2018, 28982804	Total	87	-	Median 55.5; IQR 47.0, 62.0	Median 32.7; IQR 29.3, 36.9		Median 48.4; IQR 31.4-69.0	Median 13; IQR 11-16	-
	CPAP [Autoadjusted CPAP]	86	-	Median 55.0; IQR 47.0, 62.0	Median 32.5; IQR 29.1, 36.8	NR	Median 43.0; IQR 30.0-65.9	Median 13; IQR 11-16	-
	CPAP [Fixed CPAP]	87	-	Median 56.0; IQR 47.0, 61.0	Median 32.8; IQR 29.4, 36.9	-	Median 52.2; IQR 32.1-71.0	Median 13; IQR 11-16	-
Botros, 2009, 19958890	Total	97	White 77.8	Mean 63	Mean 35.0		Mean 55.6	Mean 8.3	Mean 64.0 (Arousal index)

Author, year, PMID	Arm	Male %	Demographics %	Age	BMI	Neck circumference	AHI baseline	ESS baseline	Other sleep measures baseline
Budweiser, 2013, 23088487	Total	100	-				-	-	-
	CPAP	-	-	Median 54.9; IQR 48.0, 61.8	Median 32.6; IQR 29.1, 36.8		Median 28.1; IQR 18.0- 40.0	-	-
	No CPAP	-	-	Median 57.6; IQR 45.0, 69.0	Median 29.7; IQR 27.6, 32.3		Median 14.7; IQR 6.8-23.7	-	-
	All participants	-	-	Median 57.3; IQR 49.0, 66.7	Median 32.3; IQR 28.9, 36.6		Mean 21.4; SD 11.0	-	-
Craig, 2012, 23111478	Total	76.4	-				-	-	-
	CPAP	78.5	-	Mean 57.9; SD 7.2	Mean 32.2; SD 5.6	Mean 42.5; SD 3.9	-	-	-
	No CPAP	77.6	-	Mean 57.6; SD 7.5	Mean 32.5; SD 5.6	Mean 43.0; SD 4.0	-	-	-
Crawford-Achour, 2015, 25700873	Total	-	-				-	-	-
	CPAP	70	-	Mean 75.0; SD 1.1	Mean 27.8; SD 3.3		Mean 49.0; SD 15.4	Mean 7.9; SD 3.5	-
	No CPAP	58	-	Mean 74.7; SD 1.1	Mean 26.7; SD 3.5		Mean 40.7; SD 9.1	Mean 5.8; SD 3.5	-
de Batlle,, 2018,	Total	74	-	Median 67; IQR 57-72	NR		NR	NR	-
	CPAP	-	-				-	-	-
	No CPAP	-	-				-	-	-
de Vries, 2019, 31596213	Total	82.3	-	Mean 50.7; SD 9.7	NR		-	-	-
	CPAP	-	-			Mean 41.3; SD 3.5	Median 19.6; IQR 16.8-24.7	-	-
	MAD	-	-			Mean 41.4; SD 3.8	Median 19.9; IQR 18.0-23.8	-	-
Doff, 2013, 23997361	Total	89.3	-	Mean 49	Mean 32.5	Mean 44.5	Mean 39.5	-	-
	CPAP	94.2	-	Mean 49; SD 10	Mean 33; SD 6	Mean 45; SD 4	Mean 40; SD 28	-	-
	MAD	84.3	-	Mean 49; SD 10	Mean 32; SD 6	Mean 44; SD 4	Mean 39; SD 31	-	-
Huang, 2015, 25125635	Total	-	-	Mean 62.3; SD 6.7	Mean 27.7; SD 2.1	Mean 41.1; SD 3.2	-	-	-
	CPAP	77.8	-	Mean 62.0; SD 6.8	Mean 27.9; SD 3.6	Mean 41.2; SD 4.0	-	-	-

Author, year, PMID	Arm	Male %	Demographics %	Age	BMI	Neck circumference	AHI baseline	ESS baseline	Other sleep measures baseline
	No CPAP	86.5	-	Mean 62.7; SD 6.7	Mean 27.6; SD 2.6	Mean 40.9; SD 2.0	-	-	-
Jara, 2018, abstract	Total	96	-	Mean 61; SD 13	Range 48% BMI>30		-	-	-
Jara, 2018, 29800001	Total	63.2	White 75.3	Mean 47.2; SD 12.3	Mean 31.9; SD 6.7		Mean 32.5; SD 23.8 Range 32.9	-	-
	CPAP	59.7	White 88.9	Mean 52.4; SD 11.3	Mean 32.2; SD 5.6		Mean 39.4; SD 23.5 Range 50.6	-	-
	No CPAP	65.4	White 66.3	Mean 43.8; SD 11.9	Mean 31.7; SD 7.3		Mean 28.0; SD 23.1 Range 41.2	-	-
Jennum, 2015, 25914563	Total	-	-				-	-	-
	CPAP	75.4	-	20-39 yr(23.6); 40-59(54.9); 60+(21.5)			-	-	-
	No CPAP	81.2	-	20-39 yr(12.8); 40-59(55.6); 60+(31.6)			-	-	-
Kushida, 2011, 21804670	Total	75.6	-				-	-	-
	CPAP	75.4	White 82.5; Black 14; Hispanic 1.8; Asian 0	Mean 48.8; SD 12.0	Mean 34.9; SD 8.0; Range 20.3-54.9	Mean 16.6; SD 2.3; Range 6.9-20.5	Mean 41.08; SD 31.57 Range 0.5-137.6	Mean 12.27; SD 5.94	-
	APAP	75.5	White 79.2; Black 15.1; Hispanic 1.9; Asian 1.9	Mean 48.3; SD 10.0	Mean 35.6; SD 8.3; Range 21.0-65.0	Mean 17.1; SD 3.9; Range 12.2-42.0	Mean 37.29; SD 31.10 Range 0.1-109.9	Mean 10.49; SD 4.99	-
	APAP plus A-Flex	75.9	White 85.2; Black 5.6; Hispanic 3.7; Asian 5.6	Mean 49.1; SD 11.6	Mean 33.0; SD 6.6; Range 20.3-57.2	Mean 16.5; SD 1.7; Range 12.2-21.0	Mean 36.87; SD 30.00 Range 0.2-112	Mean 10.43; SD 5.25	-
Kushida, 2012, 23204602	Total	-	-				-	-	-
	CPAP	65.3	White 76.3	Mean 52.2; SD 12.2	Mean 32.4; SD 7.3		Mean 39.7; SD 24.9	-	-
	Sham CPAP	65.7	White 75.8	Mean 50.8; SD 2.2	Mean 32.1; SD 7.0		Mean 40.6; SD 25.6	-	-
Lisan, 2019, 30973594	Total	-	-				-	-	-
	No CPAP	78.4	-	Mean 64.4; SD 9.99	Mean 31.1; SD 5.15	Mean 41.1 cm; SD 4.22 cm; P<0.10 btw gps? No	Mean 29.0; SD 17.9	Mean 11.2; SD 4.72	-

Author, year, PMID	Arm	Male %	Demographics %	Age	BMI	Neck circumference	AHI baseline	ESS baseline	Other sleep measures baseline
	CPAP	68.6	-	Mean 63.2; SD 9.14	Mean 32.1; SD 5.93	Mean 41.1 cm; SD 3.60 cm; P<0.10 btw gps? No	Mean 31.4; SD 15.2	Mean 10.6; SD 4.92	-
López-Padilla, 2016, 27198943	Total	54	-	Mean 81.5; SD 1.7	Mean 32.8; SD 4.7		Mean 49.2; SD 19.1	Mean 12.8; SD 5.0	-
	CPAP	53	-	Mean 81.7; SD 1.7	Mean 32.5; SD 4.4		Mean 53.0; SD 19.2	Mean 12.7; SD 4.8	-
	No CPAP	55	-	Mean 81.2; SD 1.2	Mean 33.0; SD 5.1		Mean 45.2; SD 18.2	Mean 12.8; SD 5.3	-
McEvoy, 2016, 27571048	Total	81	White 25.2; Asian 63.3	Mean 61	Mean 29	Mean 40.7; P<0.10 btw gps? No	Mean 29.3	Mean 7.4	Mean 28.2 (Oxygen Desaturation Index)
	CPAP	81.1	White 25; Asian 63.7	Mean 61.3; SD 7.7	Mean 28.8; SD 4.6	Mean 40.8; SD 4.0	Mean 29.0; SD 15.9	Mean 7.3; SD 3.6	Mean 28.1; SD 14.1
	No CPAP	80.7	White 25.4; Asian 62.9	Mean 61.2; SD 7.9	Mean 28.5; SD 4.4	Mean 40.6; SD 4.2	Mean 29.6; SD 16.4	Mean 7.5; SD 2.6	Mean 28.4; SD 14.5
McMillan, 2014, 25172769	CPAP	86	White 95; Asian 4	Mean 70.9; SD 4.7	Mean 33.9; SD 5.7	Mean 44.0; SD 4.4	Median 28.1; IQR 16.3 Range 47.7	Mean 11.6; SD 3.4	Mean 29.4; SD 19.7 Median 28.1;IQR 13.3 Range 46.0
	No CPAP	79	White 97; Asian 2	Mean 71.3; SD 4.6	Mean 33.6; SD 6.4	Mean 42.6; SD 4.0	Median 29.4; IQR 18.9 Range 46.0	Mean 11.6; SD 3.9	Mean 27.9; SD 18.5 Median 24.4; SD 15.2 Range 39.2
Meurice, 2007, 17638595	CPAP	-	-	Mean 52.2; SD 9.5			Mean 56.1; SD 21.4	Mean 10.6; SD 5.2	-
	APAP [GK 418 P [Tyco]]	-	-	Mean 53.5; SD 9.2			Mean 49.9; SD 16.5	Mean 11.2; SD 5.6	-
	APAP [AutoSet [ResMed]]	-	-	Mean 58.1; SD 10.2			Mean 53.4; SD 15.1	Mean 12.9; SD 4.3	-
	APAP [PV 10i [Breas]]	-	-	Mean 54.9; SD 11.2			Mean 48.1; SD 18.7	Mean 11.3; SD 3.8	-
	APAP [Somnosmart 1 [Weinmann]]	-	-	Mean 59.7; SD 11			Mean 54.5; SD 17.7	Mean 10.0; SD 6.2	-
Monasterio, 2001, 11587974	Total	86	-	Mean 54			Mean 20; SD 6	Mean 12.6; SD 4.6	-
	CPAP	81	-	Mean 53; SD 9	Mean 29.4; SD 3.7		Mean 20; SD 6	Mean 12.1; SD 4.9	-
	No CPAP	91	-	Mean 54; SD 9	Mean 29.5; SD 3.3		Mean 21; SD 6	Mean 13.2; SD 4.3	-
Myllylä, 2019, 30848437	Total	75.8	-			NR	-	-	-

Author, year, PMID	Arm	Male %	Demographics %	Age	BMI	Neck circumference	AHI baseline	ESS baseline	Other sleep measures baseline
	CPAP	-	-	Mean 55.6; SD 9.8	Median 32.7; IQR 8.1		Median 28.0; IQR 33.0-66.0	Mean 9.4; SD (4.7)	-
	No CPAP	-	-	Mean 56.4; SD 11.1	Median 31.5; IQR 7.9		Median 27.0; IQR 28.0-56.0	Mean 8.3; SD 4.7	-
Nakamura,, 2009,	Total	80.3	-	Mean 51.2; SD 13.2	Mean 27.9; SD 4.7; Range 14.2, 55.8	Mean ND	Mean 39.8; SD 32.8; Range 5-319.2	-	-
Ou, 2015, 26068440	Total	83.9	-	Mean 72.77	Mean 30.88		Mean 38.74	Mean 6.74	Mean 34.30
	CPAP	91.7	-	Mean 73.39; SD 6.05	Mean 30.78; SD 9.00		Mean 45.33; SD 13.05	Mean 8.08; SD 3.49	Mean 37.68; SD 17.41
	No CPAP	80.7	-	Mean 71.25; SD 6.31	Mean 30.92; SD 8.65		Mean 36.05; 13.94	Mean 6.19; SD 3.50	Mean 32.92; SD 15.42
Peker, 2016, 26914592	Total	84.1	-				-	-	-
	CPAP	82	-		Mean 28.4; SD 3.8		Mean 28.3; SD 12.7	Mean 5.5; SD 2.4	Mean 16.7; SD 11.4
	No CPAP	86.1	-		Mean 28.5; SD 3.5		Mean 29.3; SD 14.0	Mean 5.5; SD 2.2	Mean 16.3; SD 11.8
Schipper, 2017, 28550476	Total	77.4	-	Mean 54.2; SD 10.9	Median 30.0; IQR 26.9, 35.2		Median 25.0; IQR 17.3 Range 44.2	-	-
	CPAP	82.1	-	Mean 54.7; SD 10.6	Median 30.4; IQR 26.8, 34.6		Median 25.7; IQR 16.3 Range 47.9	-	-
	No CPAP	71.1	-	Mean 53.5; SD 11.2	Median 29.4; IQR 26.9, 36.5		Median 24.1; IQR 16.3 Range 40.0	-	-
Shaw, 2016, 26926656	CPAP [PAP]	65.6	White 84.1; Black 7.3; Asian 8.6	Mean 62.4; SD 9.1	Mean 33.4; SD 5.9		Mean 28.0; SD 14.1	-	Mean 24.0; 13.3
	No CPAP	63.3	White 63.3; Black 5.4; Asian 8.2	Mean 62.1; SD 9.0	Mean 32.6; SD 4.9		Mean 26.2; SD 12.9	-	Mean 22.8; SD 12.9
Wu, 2016, 26993342	Total	90.1	-	Mean 49.62; SD 11.48	Mean 28.02; SD 3.49	Mean 41.05 cm; SD 3.35 cm; P<0.10 btw gps? P=0.068	Mean 60.96; SD 22.19	Mean 11.35; SD 5.37	Mean 36.80; SD 22.21
	CPAP	-	-		Mean 28.19; SD 3.72	Mean 41.80; SD 3.64; P<0.10 btw gps? P=0.068	-	Mean 11.82; SD 5.17	-
	No CPAP	-	-		Mean 27.88; SD 3.34	Mean 40.48; SD 3.00; P<0.10 btw gps? P=0.068	-	Mean 10.96; SD 5.05	-
Wu, 2015, 25412159	Total	-	-				-	-	-

Author, year, PMID	Arm	Male %	Demographics %	Age	BMI	Neck circumference	AHI baseline	ESS baseline	Other sleep measures baseline
	CPAP	82.8	-	Median 54; IQR 48-62	Median 29.9; IQR 27.5-33.3		-	-	-
	No CPAP	85.6	-	Median 56; IQR 49-63	Median 29.5; IQR 27.4-32.1		-	-	-
Zhao, 2017, 28419387	Total	65.1	White 89.3; Black 7.5; Hispanic 3.6	Mean 63.8; SD 7.3	Mean 31.7; SD 5.9	Mean 41.5; SD 3.9	Mean 29.2; SD 16.6 Range 33.4	-	Mean 9.2; SD 14.3; Median 5.3; IQR 0.9 Range 11.0
	CPAP	66.3	White 89.2; Black 6; Hispanic 4.8	Mean 63.8; SD 7.8	Mean 31.1; SD 5.2	Mean 41.1; SD 4.0	Mean 26.2; SD 12.9 Range 31.4	Mean 8.0; SD 4.5	Mean 8.5; SD 13.3 Median 3.2; IQR 0.6 Range 10.8
	No CPAP	64	White 89.5; Black 7; Hispanic 2.3	Mean 63.7; SD 6.9	Mean 32.3; SD 6.5	Mean 41.9; SD 3.9	Mean 32.0; SD 19.1 Range 37.4	Mean 8.5; SD 4.5	Mean 9.9; SD 15.2 Median 3.7; IQR 1.2 Range 12.0

Table C-6. Key Question 1 CPAP Efficacy: Baseline Comorbidities

Author, year, PMID	Comorbid Cardiovascular Diseases, %	Comorbid Diabetes or Metabolic Syndrome, %	Comorbid Obesity %	Comorbid Tobacco Use, %	Comorbid Depression or Anxiety, %	Comorbidities Cerebrovascular Disease%	Comorbidities (Other) %
Aarab, 2017, 28083705	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
Barbé, 2012, 22618923	-	-	-	-	-	-	-
	HTN (50)	-	-	Current (25.7)	-	-	-
	HTN(53.2)	-	-	Current(31.7)	-	-	-
Bjornsdottir, 2015, 25431105	HTN (45.3) CVD (18.4)	Type 2 or any (8.7)	-	Current(21.7) Past(51.0)	-	-	-
Bloch, 2018, 28982804	HTN(71)	Antidiabetic medication(5)	-	-	Antidepressant (7)	-	-
	HTN(76)	Antidiabetic medication (4)	-	-	Antidepressant (5)	-	-

Author, year, PMID	Comorbid Cardiovascular Diseases, %	Comorbid Diabetes or Metabolic Syndrome, %	Comorbid Obesity %	Comorbid Tobacco Use, %	Comorbid Depression or Anxiety, %	Comorbidities Cerebrovascular Disease%	Comorbidities (Other) %
	HTN(65)	Antidiabetic medication (6)	-	-	Antidepressant (8)	-	-
Botros, 2009, 19958890	HTN(69.9)	Baseline fasting glucose(100.2)	BMI >30(75.9)	-	-	-	-
Budweiser, 2013, 23088487	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
Craig, 2012, 23111478	-	-	-	-	-	-	-
	MI(4.6) HTN(77.4) BP(129.7/81.3)	Type 2 or any (20.4)	-	Current(8.7) Past(52.3)	-	-	-
	MI(7.1) HTN(76.0) BP(129.6/81.3)	Type 2 or any (11.8)	-	Current(14.3) Past(49.5)	-	-	-
Crawford-Achour, 2015, 25700873	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
de Batlle,, 2018,	-	-	-	-	-	-	-
	CHF(8) HTN(61)	Type 2 or any (19)	Obesity(18)	-	-	-	-
	CHF(2) HTN(45)	Type 2 or any (30)	Obesity(6)	-	-	-	-
de Vries, 2019, 31596213	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
Doff, 2013, 23997361	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
Huang, 2015, 25125635	MI (34.2) BP(148/83)	Type 2 or any (35.6)	-	Any(57.5)	-	-	-
	MI (33.3) BP(148/83)	Type 2 or any (33.3)	-	Any(52.8)	-	-	-
	MI (37.8) BP(146/83)	Type 2 or any (37.8)	-	Current(62.2)	-	-	-

Author, year, PMID	Comorbid Cardiovascular Diseases, %	Comorbid Diabetes or Metabolic Syndrome, %	Comorbid Obesity %	Comorbid Tobacco Use, %	Comorbid Depression or Anxiety, %	Comorbidities Cerebrovascular Disease%	Comorbidities (Other) %
Jara, 2018, abstract	-	-	-	-	-	-	-
Jara, 2018, 29800001	-	-	-	-	-	Functional Comorbidity Index mean (SD): 2.2 (1.7)	-
	-	-	-	-	-	Functional Comorbidity Index mean (SD): 2.3 (1.7)	-
	-	-	-	-	-	Functional Comorbidity Index mean (SD): 2.2 (1.7)	-
Jennum, 2015, 25914563	-	-	-	-	-	-	-
	-	-	-	-	-	Charlson Comorbidity Index (CCI)(0.15)	-
	-	-	-	-	-	Charlson Comorbidity Index (CCI) (0.13)	-
Kushida, 2011, 21804670	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
Kushida, 2012, 23204602	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
Lisan, 2019, 30973594	-	-	-	-	-	-	-
	MI(8.8) HTN(44.1)	Type 2 or any (15.7)	-	Current(4.9) Past(57.4)	-	-	-
	MI(7.8) HTN(47.1)	Type 2 or any (15.2)	-	Current(7.8) Past(54.9)	-	-	-
López-Padilla, 2016, 27198943	CHF(35) HTN(78)	Any diabetes(30)	-	Any(35)	-	-	-
	CHF(35) HTN(77)	Any diabetes(28)	-	Any(30)	-	-	-
	CHF(36) HTN(79)	Any diabetes(33)	-	Any(39)	-	-	-

Author, year, PMID	Comorbid Cardiovascular Diseases, %	Comorbid Diabetes or Metabolic Syndrome, %	Comorbid Obesity %	Comorbid Tobacco Use, %	Comorbid Depression or Anxiety, %	Comorbidities Cerebrovascular Disease%	Comorbidities (Other) %
McEvoy, 2016, 27571048	CAD(50.7) MI (33.5) HTN (78.4)	Type 2 or any (29.8)	-	Any(15.2)	-	CeVD(49.3) Stroke(44.1)	-
	CAD(50.7) MI (32.3) HTN (78.7)	Type 2 or any (30.2)	-	Any(15.9)	-	CeVD(49.3) Stroke(43.9)	-
	CAD(50.8) MI (34.8) HTN (78.2)	Type 2 or any (29.4)	-	Any(14.5)	-	CeVD(49.2) Stroke(44.4)	-
McMillan, 2014, 25172769	IHD(30) CAD(8) HTN(70) AF(30)	Type 2 or any (31)	-	Current(4) Past(66)	-	CeVD(23)	Asthma/COPD(25)
	IHD(36) CAD(5) HTN(75) AF(20)	Type 2 or any (29)	-	Current(5) Past(62)	-	CeVD(19)	Asthma/COPD(22)
Meurice, 2007, 17638595	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
Monasterio, 2001, 11587974	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
Myllylä, 2019, 30848437	CVD(5) MI(73.4)	-	Obese(35.1)	-	-	-	T2DM or IFG(38.4)
	CABG/PCI(7.6) MI(70.3)	-	Obese(37.5)	-	-	-	-
	CVD(3.3) CABG/PCI(5.4) MI(76.5)	-	Obese(34.5)	-	-	-	-
Nakamura,, 2009,		-	-	-	-	-	-
Ou, 2015, 26068440	CAD(47.6) HTN(67.7)	Type 2 or any (16.1)	-	-	-	Stroke(12.9)	-
	CAD(52.8) HTN(80.6)	Type 2 or any (13.9)	-	-	-	Stroke(13.9)	-
	CAD(45.5) HTN(52.5)	Type 2 or any (17.0)	-	-	-	Stroke(12.5)	-
Peker, 2016, 26914592	CAD(100) CABG(100) MI(49.6) HTN(64)	Type 2 or any (24.2)	(BMI) >/=30 kg/m2 (27.9)	Current(16)	-	-	Pulmonary disease(6.6)
	CAD(100) CABG(100) MI(53.3) HTN(68.9)	Type 2 or any (27.9)	(BMI) >/=30 kg/m2 (27.9)	Current(18)	-	-	Pulmonary disease(3.3)
	CAD(100) CABG(100) MI(45.9) HTN(59)	Type 2 or any (20.5)	(BMI) >/=30 kg/m2 (27.9)	Current(13.9)	-	-	Pulmonary disease(9.8)

Author, year, PMID	Comorbid Cardiovascular Diseases, %	Comorbid Diabetes or Metabolic Syndrome, %	Comorbid Obesity %	Comorbid Tobacco Use, %	Comorbid Depression or Anxiety, %	Comorbidities Cerebrovascular Disease%	Comorbidities (Other) %
Schipper, 2017, 28550476	TIA, stroke (ischemic or hemorrhagic) or MI(14.8) HTN (60)	Type 2 or any (17.3)	-	Any(19.9)	-	-	-
	TIA, stroke (ischemic or hemorrhagic) or MI(13.6) HTN(62.8)	Type 2 or any (12.4)	-	Any(14.7)	-	-	-
	TIA, stroke (ischemic or hemorrhagic) or MI(16.5) HTN (56.4)	Type 2 or any (23.6)	-	Any(26.8)	-	-	-
Shaw, 2016, 26926656	-	HbA1c between 6.5%-8.5%(100)	-	-	-	-	-
	-	HbA1c between 6.5%-8.5%(100)	-	-	-	-	-
Wu, 2016, 26993342	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
Wu, 2015, 25412159	-	-	-	-	-		
	CAD(50.8) CABG(100) MI(15.6) HTN(75)	Type 2 or any (32.0)	-	Current(23.4)	-	Stroke(10.9)	Renal failure(4.7)
	CAD(53.3) CABG(100) MI(12.6) HTN(72.5)	Type 2 or any (35.3)	-	Current(25.7)	-	Stroke(9.6)	renal failure(4.2)
Zhao, 2017, 28419387	CAD(34.3) HTN(85.2)	Type 2 or any (37.3)	-	Current(7.7) Past(50.3)	-	Stroke(2.4)	-
	CAD(32.6) HTN(84.9)	Type 2 or any (33.7)	-	Current(9.6) Past(54.2)	-	Stroke(2.4)	-
	CAD(36.1) HTN(85.5)	Type 2 or any (40.7)	-	Current(5.8) Past(46.5)	-	Stroke(2.3)	-

Table C-7. Key Question 1 CPAP Efficacy: Quality (Cochrane)

Author	Random sequence generation (Cochrane)	Allocation concealment (Cochrane)	Participant blinding (Cochrane)	Personnel/Provider blinding (Cochrane)	Outcome Assessor blinding (Cochrane)	Complete outcome data/No loss to follow-up (Cochrane)	No Selective Reporting (Cochrane)	No Other Bias (Cochrane)	No confounding risk (ROBINS-I)
Aarab, 2017, 28083705	Yes	Yes	No	No	Unsure	No	Yes	Yes	Yes
Barbé, 2012, 22618923	Yes	No [Patients, researchers, and the statistician were not	No [Patients, researchers, and the statistician were not	No [Patients, researchers, and the statistician were not blinded	Yes [Blood pressures and all cardiovascular events were assessed objectively	Yes	Yes	No	Yes

Author	Random sequence generation (Cochrane)	Allocation concealment (Cochrane)	Participant blinding (Cochrane)	Personnel/Provider blinding (Cochrane)	Outcome Assessor blinding (Cochrane)	Complete outcome data/No loss to follow-up (Cochrane)	No Selective Reporting (Cochrane)	No Other Bias (Cochrane)	No confounding risk (ROBINS-I)
		blinded to patient allocation.]	blinded to patient allocation.]	to patient allocation.]	by personnel not involved in the study and blinded to patient allocation.]				
Bloch, 2018, 28982804	Yes [Participants were randomised to the treatment mode and device brand in balanced blocks by letting local investigators draw a paper with concealed codes from an opaque envelope.]	Yes	No [True blinding of participants and clinical caregivers was not feasible since all participants had an initial phase of autoCPAP therapy.]	No [True blinding of participants and clinical caregivers was not feasible since all participants had an initial phase of autoCPAP therapy.]	Yes	Yes [172/208=83%]	Yes	Yes	Yes
Craig, 2012, 23111478, MOSAIC	Yes	Yes	No	No	Yes	Yes	Yes	Yes	No
de Vries, 2019, 31596213	Yes	Yes	No	No	Unsure	Yes	Yes	Yes	Yes
de Battle, 2018	No	No	No	No	Unsure	N/A [used unavailable data]	Unsure	Yes	Yes
Huang, 2015, 25125635	Yes [Block randomization]	Yes	No [It was not possible to blind patients or clinicians to the treatment assignment.]	No [It was not possible to blind patients or clinicians to the treatment assignment.]	Yes	No [(Completed 2y follow-up) 29/51 in oral appliance arm, 37/52 in CPAP arm]	Yes	No [Patients were allowed to switch therapy during follow-up if they were considered non-adherent or if treatment was considered unsuccessful. However, only small numbers of patients switched, and except for one patient, all patients switched after 2 months of therapy.]	Yes

Author	Random sequence generation (Cochrane)	Allocation concealment (Cochrane)	Participant blinding (Cochrane)	Personnel/Provider blinding (Cochrane)	Outcome Assessor blinding (Cochrane)	Complete outcome data/No loss to follow-up (Cochrane)	No Selective Reporting (Cochrane)	No Other Bias (Cochrane)	No confounding risk (ROBINS-I)
Huang, 2015, 25125635	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes
Kushida, 2011, 21804670	Yes [Urn randomization]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Kushida, 2012, 23204602, APPLES	Yes	Yes	Yes	Yes	Unsure	Yes	Yes	Yes	Yes
McEvoy, 2016, 27571048, SAVE	YES: No [Randomization was performed with the use of a minimization procedure to balance the group assignments according to site, type of cardiovascular disease (cardiac, cerebrovascular, or both), and severity of daytime sleepiness (Epworth Sleepiness Scale score <11 vs. 11).]	YES: No [Randomization was performed with the use of a minimization procedure to balance the group assignments according to site, type of cardiovascular disease (cardiac, cerebrovascular, or both), and severity of daytime sleepiness (Epworth Sleepiness Scale score <11 vs. 11).]	No	No	Yes	Yes	Yes	No [For several of the participating countries, the diagnosis and treatment of sleep apnea were not well established in clinical practice when the trial began.]	Yes
McMillan, 2014, 25172769	Yes	Yes	No	No	Unsure [Patients were discouraged from discussing their treatment allocation with the masked research staff and the importance of maintaining blinding was emphasised in the patient information sheets.]	Yes	Yes	Yes	Unsure [baseline characteristics were broadly similar between the two groups, although by chance the BSC group seemed to have a slightly

Author	Random sequence generation (Cochrane)	Allocation concealment (Cochrane)	Participant blinding (Cochrane)	Personnel/Provider blinding (Cochrane)	Outcome Assessor blinding (Cochrane)	Complete outcome data/No loss to follow-up (Cochrane)	No Selective Reporting (Cochrane)	No Other Bias (Cochrane)	No confounding risk (ROBINS-I)
									higher incidence of comorbidities than did the CPAP group.]
Meurice, 2007, 17638595	Yes	No	Yes	No	No	Yes	No	No	Yes
Monasterio, 2001, 11587974	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes
Peker, 2016, 26914592, RICCADSA	Yes	Yes	No	No	Yes	Yes	Yes	No [25/122 participants in the no-CPAP arm actually started CPAP during the study period]	Yes
Shaw, 2016, 26926656	Yes	No [Participants and clinical staff were not masked to the allocation, but laboratory personnel and the sleep study scorer were masked.]	No	No	No	No [Differential withdrawal; higher in PAP arm]	Yes	Yes	Yes
Wu, 2016, 26993342	Unsure [NR]	No Data [Unsure]	Unsure [NR]	Unsure [NR]	Unsure [NR]	Yes	Yes	Yes	Unsure [Arm-specific baselines not given]
Zhao, 2017, 28419387, BestAIR	Yes [Randomized in a 1:1:1:1 ratio to one of the 4 study arms described earlier using sequence generated off-site with a block size of 4]	Yes [Randomized in a 1:1:1:1 ratio to one of the 4 study arms described earlier using sequence generated off-site with a block size of 4]	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Author	Random sequence generation (Cochrane)	Allocation concealment (Cochrane)	Participant blinding (Cochrane)	Personnel/Provider blinding (Cochrane)	Outcome Assessor blinding (Cochrane)	Complete outcome data/No loss to follow-up (Cochrane)	No Selective Reporting (Cochrane)	No Other Bias (Cochrane)	No confounding risk (ROBINS-I)
Bjornsdottir, 2015, 25431105, ISAC	No (but propensity score analysis)	No	No	No	No	Yes	Yes	Yes	Yes
Botros, 2009, 19958890	No	No	No	No	No	Yes	Yes	Yes	Yes
Budweiser, 2013, 23088487	No	No	No	No	No	No	No	Yes	Yes
Crawford-Achour, 2015, 25700873, PROOF	No	No	No	No	No	No	No	Yes	Yes
Jara, 2018, abstract	No	No	No	No	No	Yes	Yes	Yes	Yes
Jara, 2018, 29800001	No	No	No	No	No	Yes [97%]	Yes	Yes	Yes
Jennum, 2015, 25914563	No	No	No	No	Yes	No	Yes	Yes	Yes
Lisan, 2019, 30973594, SHHS	No	No	No	No	No	Yes	No	Yes	Yes
López-Padilla, 2016, 27198943	No	No	No	No	Yes	Yes	No	Yes	Yes
Myllylä, 2019, 30848437	No	No	No	No	No	Yes	No	Yes	Yes
Nakamura,, 2009, ONSLEEP	No	No	No	No	Yes	Yes	Yes	Yes	Yes
Ou, 2015, 26068440	No	No	No	No	No	Yes	Yes	Yes	No [Inadequate adjusted NRCS (ESS, habitual snoring, chronic insomnia WITHOUT adjustment)]
Schipper, 2017, 28550476	No	No	No	No	Yes	Yes	Yes	Yes	Yes
Wu, 2015, 25412159	No	No	No	No	No	Yes	Yes	Yes	Yes

Table C-8. Key Question 1 CPAP Efficacy: Quality (Other)

Author	No confounding risk (ROBINS-I)	No Inappropriate (post-intervention) adjustment (ROBINS-I)	Participant selection (ROBINS-I)	No Follow-up biases (ROBINS-I)	Population well-defined (NHLBI)	Intervention well-defined (NHLBI)	Outcomes well-defined (NHLBI)	Comparator well-defined (NHLBI)
Aarab, 2017, 28083705	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Barbé, 2012, 22618923	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Bloch, 2018, 28982804	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Craig, 2012, 23111478, MOSAIC	No	No	No	No	Yes	Yes	Yes	Yes
de Vries, 2019, 31596213	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
de Batlle, 2018	Yes	Yes	No	Yes	No	No	Yes	Yes
Huang, 2015, 25125635	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Huang, 2015, 25125635	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Kushida, 2011, 21804670	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Kushida, 2012, 23204602, APPLES	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
McEvoy, 2016, 27571048, SAVE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
McMillan, 2014, 25172769	Unsure [baseline characteristics were broadly similar between the two groups, although by chance the BSC group seemed to have a slightly higher incidence of comorbidities than did the CPAP group.]	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Meurice, 2007, 17638595	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Monasterio, 2001, 11587974	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Peker, 2016, 26914592, RICCADSA	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Shaw, 2016, 26926656	Yes	Yes	No [because of variability in the definitions of AHI across the clinical sites, all records were subsequently reviewed by a single central scorer. The study entry was then based on an ODI of more than 15 events per hour	Yes	Yes	No [No information on dose, prescribed no hours/night]	Yes	No [Usual care was provided by each participants usual physician, with changes to medication allowed if dictated by

Author	No confounding risk (ROBINS-I)	No Inappropriate (post-intervention) adjustment (ROBINS-I)	Participant selection (ROBINS-I)	No Follow-up biases (ROBINS-I)	Population well-defined (NHLBI)	Intervention well-defined (NHLBI)	Outcomes well-defined (NHLBI)	Comparator well-defined (NHLBI)
			(based on an oxygen desaturation of 3% or more). As a result, data from 118 participants were withdrawn]					clinical needs.]
Wu, 2016, 26993342	Unsure [Arm-specific baselines not given]	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Zhao, 2017, 28419387, BestAIR	Yes	Yes	Yes	No [Some participants completed 12 months follow-up, but others only followed for 6 months. "Owing to the longer-than-expected time to complete enrollment, patients randomized after January 2013 were only followed for 6 months."]	Yes	Yes	Yes	Yes
Bjornsdottir, 2015, 25431105, ISAC	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
Botros, 2009, 19958890	Yes	Yes	No [NRCS arms were determined by CPAP use (regular use or not)]	Yes	Yes	Yes	Yes	Yes
Budweiser, 2013, 23088487	Yes	Yes	Yes	No	Yes	No	Yes	No
Crawford-Achour, 2015, 25700873, PROOF	Yes	Yes	Yes	Yes	Yes	No	Yes	No
Jara, 2018, abstract	Yes	Yes	No [Untreated CPAP versus Prescribed CPAP]	Yes	Yes	Yes	Yes	No
Jara, 2018, 29800001	Yes	Yes	No [NRCS arms were determined by CPAP use (user vs. non-user)]	Yes	Yes	Yes	Yes	Yes

Author	No confounding risk (ROBINS-I)	No Inappropriate (post-intervention) adjustment (ROBINS-I)	Participant selection (ROBINS-I)	No Follow-up biases (ROBINS-I)	Population well-defined (NHLBI)	Intervention well-defined (NHLBI)	Outcomes well-defined (NHLBI)	Comparator well-defined (NHLBI)
Jennum, 2015, 25914563	Yes	Yes	No	No	Yes	No [No information on type, duration, etc. of CPAP treatment]	Yes	No [No information beyond that they did not get CPAP treatment]
Lisan, 2019, 30973594, SHHS	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
López-Padilla, 2016, 27198943	Yes	Yes	Yes	No	Yes	No	Yes	No
Myllylä, 2019, 30848437	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Nakamura,, 2009, ONSLEEP	Yes	Yes	Yes	Yes	Yes	No [Users were those who borrowed the apparatus]	Yes	No [Nonusers were qualified and eligible patients refused CPAP for personal reasons]
Ou, 2015, 26068440	No [Inadequate adjusted NRCS (ESS, habitual snoring, chronic insomnia WITHOUT adjustment)]	Yes	No [CPAP vs. Refused CPAP]	Yes [The median follow-up period was 5 2.5 years (range, 1 8 years).]	Yes	Yes	Yes	No [The paper said "they refused CPAP treatment". No other information were available.]
Schipper, 2017, 28550476	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Wu, 2015, 25412159	Yes	Yes	No [CPAP treated OSA vs. CPAP untreated OSA]	Yes [There was no difference in the follow-up duration among the groups]	Yes	Yes	Yes	Yes

Table C-9. Key Question 2 intermediate/surrogate measures: Study Design Details

Author, Year, PMID, country	Study Design	Funder	Start and End Date	Inclusion criteria	Minimum AHI (threshold)	Exclusion criteria	Specific population	Definition of time period	Sleep study setting/ monitor type at baseline	Follow-up AHI measurement
Banhiran, 2014, 24458949, Thailand	NRCS (Prospective), single-center	Non-industry (fully)	2011-2013	OSA who refused or had failed treatment attempts with CPAP or upper airway surgery.	NR	Severe periodontal disease, unstable teeth, active dental caries, disorders of the temporomandibular joint (TMJ), limited lower jaw protrusion (< 6 mm), insufficient teeth (< 3 in each quadrant), those who did not have a bed partner or observer to report results.	-	NR	Home/portable	Same as baseline
Corral, 2017, 28636405, Spain	RCT, multicenter	Non-industry (fully)	2012-2015	18-70 years of age, suspcted OSA, ESS >=10, no other sleep pathology that could cause daytime sleepiness	NR	psychophysical inability to complete the questionnaires; documented structural or coronary cardiopathy that was not controlled by medical treatment; Cheyne-Stokes syndrome; patients with uvulopalatopharyngoplasty; very severe nasal obstruction	-	Sleep time, measured	Sleep lab, Home/portable	Sleep lab
de Ruiter, 2018, 28913630, Netherlands	RCT, multicenter	Non-industry (fully)	NR	mild-moderate OSA, 10-90% of time sleeping in supine position during baseline PSG,	5	inadequate dentition, subjective snoring in the lateral position, CSA, night or rotating shift work, severe CHD, active psychiatric disease, seizure disorders, medication usage for sleeping disorders, muscular or joint injuries in the head, neck, or back area, previous oral appliance therapy or sleep position trainer usage, other OSA treatment, reversible morphological upper airway abnormalities (e.g., enlarged tonsils), pregnancy, and coexisting non-respiratory sleep disorders (e.g., insomnia, periodic limb movement disorder, narcolepsy)	-	NR	Sleep lab	Same as baseline

Author, Year, PMID, country	Study Design	Funder	Start and End Date	Inclusion criteria	Minimum AHI (threshold)	Exclusion criteria	Specific population	Definition of time period	Sleep study setting/ monitor type at baseline	Follow-up AHI measurement
Fernández-Julián, 2018, 29152745, Spain	NRCS (Prospective), single-center	Non-industry (fully)	2015-2016	>=18 years old, refused CPAP	15	severe somatic or psychiatric disease, severe respiratory or cardiovascular disease, pregnancy, acute or chronic inflammatory disease, and BMI>32 kg/m2, periodontal disease, TMJ dysfunction.	-	Sleep stage	Home/portable	Same as baseline
Gagnadoux, 2017, 28947040, France	NRCS (Prospective), multicenter	Non-industry (fully)	2015-2017	Patients from the IRSR cohort with OSA in whom MAD had been prescribed >= 6 months	NR	NR	-	NR	Sleep lab	Same as baseline
Hasselbacher, 2018, 29808422, Finland	Single group (Prospective), multicenter	Industry (fully or in part)	2014-2017	AHI 15 - 65/hour and nonadherence to CPAP	15	BMI > 35 kg/m2, or complete concentric collapse at the soft palate during sedated endoscopy	-	NR	Sleep lab, Home/portable	Home/portable
Jaoude, 2014, 24452812, USA	NRCS (Unclear), single-center	Non-industry (fully)	2004-2012	COPD patients with a dx of OSA	NR	part of inconclusive sleep study (<2 h of sleep), mixed SA, prior PAP	-	NR	Sleep lab	Same as baseline
Lau, 2013, 23766914, Canada	Single group (Prospective), single-center	Non-industry (fully)	NR	CPAP treatment for 3 mo, compliance >4 h/night for 80% of the week	NR	other sleep pathologies, psychiatric disorder, neurologic disorders, alcohol or drug abuse, current medication affecting cognition, underrated of OSA other than CPAP	-	NR	NR	Same as baseline
Lin, 2015, 25766707, Taiwan	NRCS (Prospective), single-center	Non-industry (fully)	2006-2009	Worked at a public transportation company	NR	had surgical procedures on nasal or pharyngeal tissues or underwent continuous treatment with either continuous positive airway pressure (CPAP) or oral appliances	-	Time in bed	Home/portable	Same as baseline
Lin, 2006, 16735919, Taiwan	Single group (Prospective), single-center	Not reported (or unclear)	2000-2001	RDI >5	NR	NR	-	NR	Sleep lab	Same as baseline
Lindberg, 2012, 22499826, Sweden	Single group (Prospective), single-center	Non-industry (fully)	1996-2008	Men with no history of diabetes mellitus at the baseline; fasting plasma glucose level < 7.0 mmol/L	NR	Known diabetes mellitus at the baseline, men with a fasting plasma glucose (FPG) level of >= 7.0 mmol/L	-	NR	Home/portable	Same as baseline

Author, Year, PMID, country	Study Design	Funder	Start and End Date	Inclusion criteria	Minimum AHI (threshold)	Exclusion criteria	Specific population	Definition of time period	Sleep study setting/ monitor type at baseline	Follow-up AHI measurement
Peppard, 2000, 10805822, USA	Single group (Prospective), multicenter	Not reported (or unclear)	1999-2007	NR	NR	pregnancy, unstable or decompensated cardiopulmonary disease, airway cancers, and recent surgery of the upper respiratory tract. For this report, sleep less than four hours, no episodes of REM sleep, stroke or cardiovascular disease, or receiving medical treatment for sleep-disordered breathing	-	NR	Sleep lab	Same as baseline
Schulz, 2019, 29773460, Germany	NRCS (Prospective), multicenter	Not reported (or unclear)	NR	18-80 years old, AHI >= 30), in a stable partnership with regular sexual intercourse	30	Known or treated erectile function, with urological or neurological diseases possibly interfering with erectile function, subjects in whom vasoactive medications had been newly prescribed within the last four weeks before study entry	-	NR	Sleep lab	Same as baseline
Sforza, 2017, 28225159, France	NRCS (Prospective), multicenter	Not reported (or unclear)	2009-2017	>=65 years old	15	previous MI, cardiac arrhythmias, pacemaker, cerebral stroke, neurological or psychiatric disorders, type 1 diabetes, COPD, neurological disorder or mild cognitive impairment (MCI/dementia) and residing in institutions	>=65 years old	NR	Home/portable	Same as baseline
Tegelberg, 2012, 23620682, Sweden	Single group (Prospective), single-center	Non-industry (fully)	NR	20-65 years old; AHI >= 10; sufficient dental support to anchor an oral appliance, and no severely cariogenic, and/or a severely periodontal compromised dentition	10	severe cardiovascular, neurological, or respiratory disease; significant nasal obstruction; overbite of anterior teeth > 6 mm; previous treatment for OSA by CPAP, or by uvulopalatopharyngoplasty surgical intervention; presence of temporomandibular joint pain, or obvious myalgia in jaw function	-	NR	Home/portable	Same as baseline

Author, Year, PMID, country	Study Design	Funder	Start and End Date	Inclusion criteria	Minimum AHI (threshold)	Exclusion criteria	Specific population	Definition of time period	Sleep study setting/ monitor type at baseline	Follow-up AHI measurement
Uchôa, 2017, 28823814, Brazil	Single group (Prospective), multicenter	Non-industry (fully)	2013-2015	confirmed Acute cardiogenic pulmonary edema (ACPE)	15	NR	-	NR	Home/portable	Same as baseline
Woodson, 2018, 29582703, USA	Single group (Prospective), multicenter	Industry (fully or in part)	2010-2017	Hx of moderate to severe OSA and intolerance or inadequate adherence to CPAP therapy	20	BMI >32 kg/m2, neuromuscular diseases, hypoglossal nerve palsy, severe cardiopulmonary disorders (chronic obstructive pulmonary disease, pulmonary arterial hypertension, heart failure, persistent uncontrolled hypertension despite medications, recent myocardial infarction, or severe cardiac arrhythmias), active psychiatric disease, and comorbid nonrespiratory sleep disorders, AHI<20 or AHI 50, a central and/or mixed respiratory events index >25% of the AHI, and a non-supine AHI <10	-	NR	Sleep lab	Same as baseline

Table C-10. Key Question 2 intermediate/surrogate measures: Baseline Details

Author, Year, PMID	Arm	N	Male, %	Age	BMI	Neck circumference	OSA diagnosis, %
Banhiran, 2014, 24458949	Total	64	62.5	Mean 46.9; SD 9.2	Mean 26.7; SD 3.4		NR
Corral, 2017, 28636405	Total	212	70.5	Median 50; IQR 16	Median 30.7; IQR 7.3	Median 41; IQR 6	NR
de Ruiter, 2018, 28913630	Total	58	70.7	Mean 46.5; SD 10.5	Mean 27.6; SD 3.8		NR
Fernández-Julián, 2018, 29152745	Total	40	60	Mean 55.0; SD 9.4	Mean 28.1; SD 4.0		NR
Gagnadoux, 2017, 28947040	Total	158	67.6	Mean 54; SD 11.6	Mean 26.6; SD 3.7		NR
Hasselbacher, 2018, 29808422	Upper Airway Stimulation	60	96.7	Mean 56.8; SD 9.1; Range 37-75	Mean 28.8; SD 3.6; Range 21.4-36.6		100.00
Jaoude, 2014, 24452812	Total	271	98.5	Mean 68.1; SD 10.1	Mean 35.7; SD 8.1		100
Lau, 2013, 23766914	Total	64	59.45	Mean 57.9; SD 9.5	Mean 33.4; SD 7.5		100

Author, Year, PMID	Arm	N	Male, %	Age	BMI	Neck circumference	OSA diagnosis, %
Lin, 2015, 25766707	Total	318		Mean 46.9; SD 6.1	Mean 24.6; SD 2.9	Mean 38.3; SD 2.9	NR
Lin, 2006, 16735919	CPAP	54	98.1	Mean 50.9; SD 11.5	Mean 28.1; SD 3.6		NR
Lindberg, 2012, 22499826	Men with sleep-disordered breathing	141	100	Mean 57.5; 95% CI 56.1, 58.9	Mean 26.9; 95% CI 26.3, 27.4		NR
Peppard, 2000, 10805822	Total	1189	55	Mean 46; SD 8	Mean 29; SD 7		NR
Schulz, 2019, 29773460	Total	64	100	Mean 50.1; SD 17.0	Mean 34.2; SD 1.2		100.00
Sforza, 2017, 28225159	Total	284	39.4		Mean 24.7; SD 3.3		39.60
Tegelberg, 2012, 23620682	Total	43	100	Mean 52; Range 20-65	Mean 29.9; Range 28.5-31.3		100.00
Uchôa, 2017, 28823814	Total	104	37	Mean 67; SD 11	Mean 27.7; SD 4.6	Mean 37.1; SD 3.8	61.5
Woodson, 2018, 29582703	Total	126	"predominantly male"	Mean 54.5; SD 10.2	Mean 28.4; SD 28.5		NR

Table C-11. Key Question 2 intermediate/surrogate measures: Baseline Comorbidities

Author, Year, PMID	Comorbid Cardiovascular Diseases, %	Comorbid HTN, %	Comorbid Diabetes or Metabolic Syndrome (%)	Comorbid Tobacco Use (%)	Comorbid Depression or Anxiety (%)
Banhiran, 2014, 24458949		-	-		-
Corral, 2017, 28636405	Ventricular arrhythmia (2.1); Stroke (1.9); Ischemic heart disease (4)	30.2	Type 2 or any (9.3)	Current (24.1)	Depression (11.2); (Anxiety (10.5)
de Ruiter, 2018, 28913630		-		Any (23.2)	-
Fernández-Julián, 2018, 29152745		-			-
Gagnadoux, 2017, 28947040		17.5	Type 2 or any (4.8)	Current (28.6)	-
Hasselbacher, 2018, 29808422		-			-
Jaoude, 2014, 24452812		80	Type 2 or any (47.3)	Current (32.9)	-
Lau, 2013, 23766914		-			-
Lin, 2015, 25766707	Cardiovascular disease (6.6)	19.2	Type 2 or any (1.2); Metabolic syndrome (26.4)	Current (28.6)	
Lin, 2006, 16735919		-			-
Lindberg, 2012, 22499826		46		Current/Previous (15858)	-
Peppard, 2000, 10805822		-		Any (17)	-

Author, Year, PMID	Comorbid Cardiovascular Diseases, %	Comorbid HTN, %	Comorbid Diabetes or Metabolic Syndrome (%)	Comorbid Tobacco Use (%)	Comorbid Depression or Anxiety (%)
Schulz, 2019, 29773460	CAD (14)	60.9	Type 2 or any (20.3)	Any (22)	-
Sforza, 2017, 28225159		45	Type 2 or any (2.8)	Current (8.5)	-
Tegelberg, 2012, 23620682		-			-
Uchôa, 2017, 28823814		95	Type 2 or any (40)		-
Woodson, 2018, 29582703		-	-		-

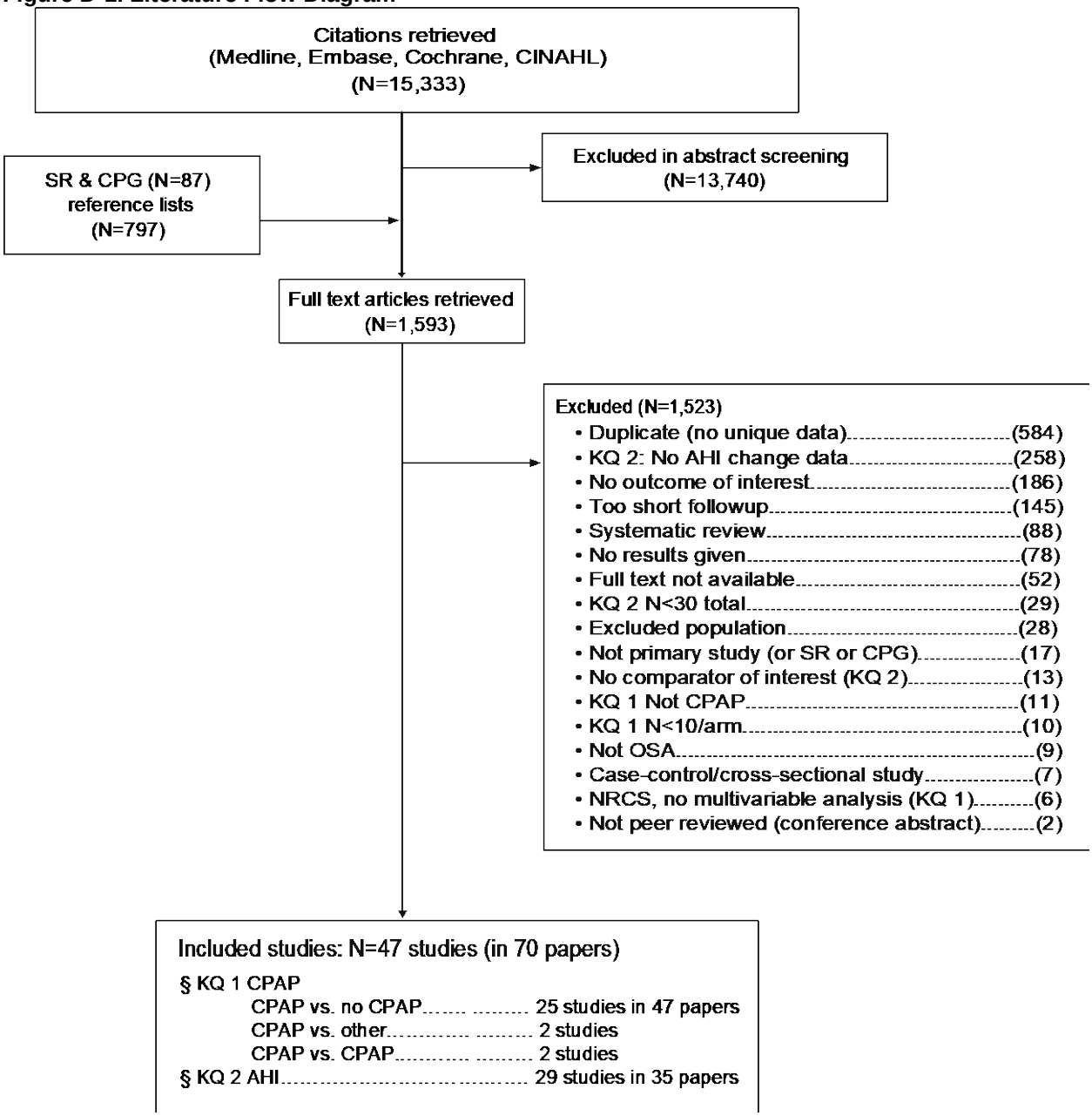
Table C-12. Key Question 2 intermediate/surrogate measures: Quality

Author, Year, PMID, country	Study Design	Comparator well-defined (NHLBI)	OSA Defn: AHI	Surrogacy analysis?	Mediator analysis?	No confounding risk (ROBINS-I)	No Follow-up biases (ROBINS-I)	Population well-defined (NHLBI)	Intervention well-defined (NHLBI)	Outcomes well-defined (NHLBI)
Banhiran, 2014, 24458949, Thailand	NRCS (Prospective), single-center	Not Applicable	Yes	No	No	Not Applicable	Yes	Yes	Yes	Yes
Corral, 2017, 28636405, Spain	RCT, multicenter	Yes	No (Multiple methods used (including both PSG and home))	Yes	No	Yes	Yes	Yes	Yes	Yes
de Ruiter, 2018, 28913630, Netherlands	RCT, multicenter	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes
Fernández-Julián, 2018, 29152745, Spain	NRCS (Prospective), single-center	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
Gagnadoux, 2017, 28947040, France	NRCS (Prospective), multicenter	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
Hasselbacher, 2018, 29808422, Finland	Single group (Prospective), multicenter	Not Applicable	No	No	No	Not Applicable	Not Applicable	Yes	Not Applicable	Yes
Jaoude, 2014, 24452812, USA	NRCS (Unclear), single-center	Not Applicable	Yes	No	No	No	Yes	Yes	Not Applicable	Yes
Kingshott, 2000, 10712335	Single group (Prospective), single-center	Not Applicable	Yes	No	No	Not Applicable	Not Applicable	Yes	Not Applicable	Yes
Lau, 2013, 23766914, Canada	Single group (Prospective), single-center	Not Applicable	Yes	No	No	Not Applicable	Yes	Yes	No (CPAP intervention not described well)	Yes

Author, Year, PMID, country	Study Design	Comparator well-defined (NHLBI)	OSA Defn: AHI	Surrogacy analysis?	Mediator analysis ?	No confounding risk (ROBINS-I)	No Follow-up biases (ROBINS-I)	Population well-defined (NHLBI)	Intervention well-defined (NHLBI)	Outcomes well-defined (NHLBI)
Lin, 2015, 25766707, Taiwan	NRCS (Prospective), single-center	Unsure (No intervention)	Yes	Yes		Yes	No (outcome measured at annual physical, which could be any time in the year.)	Yes	Unsure (No intervention)	Yes
Lin, 2006, 16735919, Taiwan	Single group (Prospective), single-center	Not Applicable	No (RDI)	No	No	Not Applicable	Not Applicable	Yes	Not Applicable	Yes
Lindberg, 2012, 22499826, Sweden	Single group (Prospective), single-center	Not Applicable	No	No	No	Not Applicable	Not Applicable	Yes	Not Applicable	Yes
Peppard, 2000, 10805822, USA	Single group (Prospective), multicenter	Not Applicable	Yes	No	No	Not Applicable	Yes	Yes	Not Applicable	Yes
Schulz, 2019, 29773460, Germany	NRCS (Prospective), multicenter	Yes	No	Yes	No	No (Adjustment is not mentioned despite baseline differences seemed exist in Table 1)	Yes	Yes	Yes	Yes
Sforza, 2017, 28225159, France	NRCS (Prospective), multicenter	Not Applicable	Yes	No	No	No	No	Yes	Not Applicable	Yes
Tegelberg, 2012, 23620682, Sweden	Single group (Prospective), single-center	Not Applicable	Yes (The apnea-hypopnea index (AHI) was defined as the average number of episodes of apnea and hypopnea per hour of sleep)	No	No	Not Applicable	Not Applicable	Yes	Not Applicable	Yes
Uchôa, 2017, 28823814, Brazil	Single group (Prospective), multicenter	Not Applicable	Yes	Not Applicable	Not Applicable	Not Applicable	Yes	Yes	Not Applicable	Yes
Woodson, 2018, 29582703, USA	Single group (Prospective), multicenter	Not Applicable	No	No	No	Not Applicable	Not Applicable	Yes	Not Applicable	Yes

Appendix D. Results

Figure D-1. Literature Flow Diagram



Cognitive Results

Table D-1. RCT Cognitive Outcomes

Author, Year, PMID	Outcome	Test Information	Followup Time (baseline N CPAP/N no CPAP)	CPAP, Mean (SD) Baseline	No CPAP, Mean (SD) Baseline	CPAP, Mean (SD) Followup	No CPAP, Mean (SD) Followup	Net Difference (95% CI); P Value
Crawford-Achour, 2015, 25700873{Crawford-Achour, 2015 #133}	Benton Visual Retention Test{Benton, 1945 #205}	Range unknown; unclear which is better, depends on how the test was scored which is not reported	10 years (33/93)	12.87 (0.28)	12.48 (0.17)	12.58 (0.3)	12.30 (0.18)	−0.11 (−0.88, 0.66)*; 0.78
Kushida, 2012, 23204602 {Kushida, 2012 #152;Kushida, 2006 #153}	BSRT-SR{Buschke, 1973 #202}	Range 0-144; higher = better	6 months (556/541)	49.72 (95% CI 48.95, 50.48)	49.86 (95% CI 49.09, 50.64)	54.09 (95% CI 53.26, 54.91)	54.28 (95% CI 53.41, 55.13)	−0.05 (−1.19, 1.09)*; 0.932*
McMillan, 2014, 25172769 PREDICT{McMillan, 2014 #160}	Deary-Liewald reaction time task: 4-choice reaction time{Deary, 2011 #207}	Number of correct answers; higher = better	12 months (99/100)	38.6 (2.5)	38.5 (2.1)	38.7 (1.7)	38.4 (2.5)	0.3 (−0.2, 0.8); 0.26
McMillan, 2014, 25172769 PREDICT{McMillan, 2014 #160}	Deary-Liewald reaction time task: 4-choice reaction time{Deary, 2011 #207}	Mean time to correct answer (seconds); lower = better	12 months (99/100)	678.8 (204.2)	681.9 (204.2)	688.1 (166.0)	688.4 (215.7)	1.8 (−33.6, 37.2); 0.92
McMillan, 2014, 25172769 PREDICT{McMillan, 2014 #160}	Deary-Liewald reaction time task: Simple reaction time{Deary, 2011 #207}	Mean time (seconds); lower = better	12 months (98/99)	376.2 (84.6)	379.4 (108.1)	388.1 (108.1)	388.1 (108.1)	−16.4 (−39.1, 6.2); 0.16
Crawford-Achour, 2015, 25700873{Crawford-Achour, 2015 #133}	Delayed free recall (Grober and Buschke test){Grober, 1997 #206}	Number of correct answers; higher = better	10 years (33/93)	12.00 (0.41)	12.21 (0.25)	12.00 (0.53)	11.19 (0.32)	**1.02 (0.16, 1.88)*; 0.02**
Crawford-Achour, 2015, 25700873{Crawford-Achour, 2015 #133}	Delayed total recall (Grober and Buschke test){Grober, 1997 #206}	Number of correct answers; higher = better	10 years (33/93)	15.65 (0.2)	15.43 (0.12)	15.61 (0.36)	15.36 (0.22)	0.03 (−0.49, 0.55)*; 0.91
McMillan, 2014, 25172769 PREDICT{McMillan, 2014 #160}	Digit Symbol Substitution Test{Jaeger, 2018 #209}	Range 0-100; higher = better	12 months (113/116)	37.2 (11.7)	39.4 (10.4)	40.0 (10.7)	40.6 (11.3)	1.1 (−0.6, 2.7); 0.22

Author, Year, PMID	Outcome	Test Information	Followup Time (baseline N CPAP/N no CPAP)	CPAP, Mean (SD) Baseline	No CPAP, Mean (SD) Baseline	CPAP, Mean (SD) Followup	No CPAP, Mean (SD) Followup	Net Difference (95% CI); P Value
Crawford-Achour, 2015, 25700873{Crawford-Achour, 2015 #133}	Fluency: alphabetic{Cardebat, 1990 #217}	Number of correct answers; higher = better	10 years (33/93)	19.55 (1.18)	19.96 (0.72)	20.26 (1.34)	19.93 (0.82)	0.74 (−1.63, 3.11)*; 0.54
Crawford-Achour, 2015, 25700873{Crawford-Achour, 2015 #133}	Fluency: semantic{Cardebat, 1990 #217}	Number of correct answers; higher = better	10 years (33/93)	30.32 (1.39)	31.56 (0.84)	29.65 (1.37)	30.63 (0.83)	0.26 (−2.43, 2.95)*; 0.85
Monasterio, 2001, 11587974{Monasterio, 2001 #163}	Fluency: verbal{Casanova, 1990 #218}	Percentile; higher = better	6 months (66/59)	69 (29)	66 (28)	72 (25)	72 (23)	−3.00 (−12.31, 6.31)*; 0.528*
McMillan, 2014, 25172769 PREDICT{McMillan, 2014 #160}	MMSE{Folstein, 1983 #215}	Range 0-30; higher = better	12 months (113/116)	28.3 (2.0)	28.5 (2.0)	28.5 (1.9)	28.5 (1.7)	0.1 (−0.3, 0.5); 0.65
Wu, 2016, 26993342{Wu, 2016 #183}	MMSE{Folstein, 1983 #215}	Range 0-30; higher = better	6 months (68/68)	28.33 (3.21)	28.13 (4.01)	28.7 (1.26)	28.41 (1.91)	0.09 (−0.06, 0.24)*; 0.236
Crawford-Achour, 2015, 25700873{Crawford-Achour, 2015 #133}	MMSE{Folstein, 1983 #215}	Range 0-30; higher = better	10 years (33/93)	28.77 (0.2)	28.75 (0.12)	28.84 (0.24)	28.51 (0.15)	0.31 (−0.28 to 0.90)*; 0.30
Wu, 2016, 26993342{Wu, 2016 #183}	MoCA{Nasreddine, 2005 #204}	Range 0-30; higher = better	6 months (68/68)	26.18 (2.14)	26.46 (1.95)	27.37 (2.32)	26.07 (1.97)	**1.58 (0.86, 2.3)*; <0.01**
Wu, 2016, 26993342{Wu, 2016 #183}	MoCA: Abstraction{Nasreddine, 2005 #204}	Range 0-2; higher = better	6 months (68/68)	1.79 (0.44)	1.43 (0.65)	1.76 (0.52)	1.68 (0.53)	−0.28 (−1.64, 1.08)*; 0.686
Wu, 2016, 26993342{Wu, 2016 #183}	MoCA: Attention{Nasreddine, 2005 #204}	Range 0-6; higher = better	6 months (68/68)	5.56 (2.82)	5.82 (0.55)	5.88 (0.39)	5.66 (0.64)	**0.48 (0.16, 0.80)*; 0.003**
Wu, 2016, 26993342{Wu, 2016 #183}	MoCA: Lanuguage{Nasreddine, 2005 #204}	Range 0-3; higher = better	6 months (68/68)	2.59 (0.60)	2.49 (0.66)	2.62 (0.60)	2.40 (0.63)	0.12 (−0.51,

Author, Year, PMID	Outcome	Test Information	Followup Time (baseline N CPAP/N no CPAP)	CPAP, Mean (SD) Baseline	No CPAP, Mean (SD) Baseline	CPAP, Mean (SD) Followup	No CPAP, Mean (SD) Followup	Net Difference (95% CI); P Value
								0.75)*; 0.708
Wu, 2016, 26993342{Wu, 2016 #183}	MoCA: Memory and delayed recall{Nasreddine, 2005 #204}	Range 0-3; higher = better	6 months (68/68)	2.91 (1.42)	3.28 (1.26)	3.72 (1.3)	3.09 (1.16)	1.00 (−0.00, 2.00)*; 0.051
Wu, 2016, 26993342{Wu, 2016 #183}	MoCA: Naming{Nasreddine, 2005 #204}	Range 0-3; higher = better	6 months (68/68)	2.85 (0.43)	2.87 (0.38)	2.82 (0.42)	2.88 (0.37)	−0.04 (−0.23, 0.15)*; 0.673
Wu, 2016, 26993342{Wu, 2016 #183}	MoCA: Orientation{Nasreddine, 2005 #204}	Range 0-6; higher = better	6 months (68/68)	5.96 (2.70)	6.00 (0.00)	6.00 (0.00)	5.99 (0.63)	0.05 (−0.02, 0.12)*; 0.182
Wu, 2016, 26993342{Wu, 2016 #183}	MoCA: Visuospatial and executive{Nasreddine, 2005 #204}	Range 0-5; higher = better	6 months (68/68)	4.51 (0.74)	4.25 (0.87)	4.59 (0.80)	4.21 (0.85)	**0.12 (0.02, 0.22)*; 0.015**
Monasterio, 2001, 11587974{Monasterio, 2001 #163}	Paced auditory serial addition test 1-s{Tombaugh, 2006 #210}	Number of correct answers; Range 0-26; higher = better	6 months (66/59)	4 (3)	4 (3)	5 (4)	6 (3)	−1.00 (−2.16, 0.16)*; 0.091*
Monasterio, 2001, 11587974{Monasterio, 2001 #163}	Paced auditory serial addition test 2-s{Tombaugh, 2006 #210}	Number of correct answers; Range 0-26; higher = better	6 months (66/59)	10 (4)	10 (4)	11 (4)	12 (4)	−1.00 (−2.40, 0.40)*; 0.163*
Monasterio, 2001, 11587974{Monasterio, 2001 #163}	Paced auditory serial addition test 3-s{Tombaugh, 2006 #210}	Number of correct answers; Range 0-26; higher = better	6 months (66/59)	14 (5)	13 (5)	14 (4)	15 (4)	**−2.00 (−3.61, −0.39)*; 0.015***
Monasterio, 2001, 11587974{Monasterio, 2001 #163}	Paced auditory serial addition test 4-s{Tombaugh, 2006 #210}	Number of correct answers; Range 0-26; higher = better	6 months (66/59)	13 (5)	13 (4)	14 (4)	15 (3)	−1.00 (−2.44, 0.44)*; 0.173*
Kushida, 2012, 23204602 {Kushida, 2012 #152;Kushida, 2006 #153}	PFN-TOTL	Total time (sec); Range 10-60; lower = better	6 months (554/542)	23.32 (95% CI 22.88, 23.78)	23.08 (95% CI 22.64, 23.54)	23.48 (95% CI 22.98, 24.00)	23.01 (95% CI 22.51, 23.54)	0.23 (−0.46, 0.92)*; 0.511*

Author, Year, PMID	Outcome	Test Information	Followup Time (baseline N CPAP/N no CPAP)	CPAP, Mean (SD) Baseline	No CPAP, Mean (SD) Baseline	CPAP, Mean (SD) Followup	No CPAP, Mean (SD) Followup	Net Difference (95% CI); P Value
Crawford-Achour, 2015, 25700873{Crawford-Achour, 2015 #133}	Stroop test: colors{Stroop, 1935 #203}	Range 0-100; higher = better	10 years (33/93)	70.19 (1.86)	69.20 (1.13)	63.71 (1.96)	63.02 (1.19)	−0.30 (−3.41, 2.81)*; 0.85
Crawford-Achour, 2015, 25700873{Crawford-Achour, 2015 #133}	Stroop test: words{Stroop, 1935 #203}	Range 0-100; higher = better	10 years (33/93)	98.87 (2.3)	98.71 (1.34)	92.58 (2.27)	89.9 (1.38)	2.52 (−2.05, 7.09)*; 0.28
Monasterio, 2001, 11587974{Monasterio, 2001 #163}	Trail-making test A{Ricker, 1996 #212}	Total time (sec); lower = better	6 months (66/59)	56 (26)	54 (18)	51 (21)	51 (21)	3 (−4.64, 10.64)*; 0.442*
Crawford-Achour, 2015, 25700873{Crawford-Achour, 2015 #133}	Trail-making test A{Ricker, 1996 #212}	Total time (sec); lower = better	10 years (33/93)	41.32 (2.22)	44.5 (1.35)	51.74 (2.92)	49.77 (1.78)	5.15 (−0.80, 11.1)*; 0.09
McMillan, 2014, 25172769 PREDICT{McMillan, 2014 #160}	Trail-making test B{Ricker, 1996 #212}	Total time (sec); lower = better	12 months (111/115)	119.9 (57.9)	113.7 (55.8)	116.6 (54.9)	107.6 (47.2)	6.2 (−3.4, 15.8); 0.21
Monasterio, 2001, 11587974{Monasterio, 2001 #163}	Trail-making test B{Ricker, 1996 #212}	Total time (sec); lower = better	6 months (66/59)	121 (44)	125 (47)	115 (43)	100 (39)	**19.0 (3.71, 34.29)*; 0.015***
Crawford-Achour, 2015, 25700873{Crawford-Achour, 2015 #133}	Trail-making test B{Ricker, 1996 #212}	Total time (sec); lower = better	10 years (33/93)	81.49 (6.23)	96.86 (3.79)	103.34 (7.92)	107.42 (4.81)	11.29 (−5.59, 28.2)*; 0.19
Crawford-Achour, 2015, 25700873{Crawford-Achour, 2015 #133}	VAS of memory complaint{Guilloton, 2020 #214}	Range 1-10; lower = better	10 years (33/93)	2.52 (0.34)	2.52 (0.21)	2.67 (0.32)	3.01 (0.19)	−0.34 (−1.22, 0.54)*; 0.45
Crawford-Achour, 2015, 25700873{Crawford-Achour, 2015 #133}	WAIS III: Similarities test{Zhu, 2005 #216}	Range 0-33; higher = better	10 years (33/93)	10.45 (0.85)	17.71 (0.52)	25.13 (1.18)	11.53 (0.72)	**20.86 (20.48, 21.24)*; < 0.0001**
Monasterio, 2001, 11587974{Monasterio, 2001 #163}	WAIS: Block design{Zhu, 2005 #216}	Scaled score (mean 10, SD 3); higher = better	6 months (66/59)	10 (3)	10 (3)	11 (3)	12 (3)	−1.00 (−2.05, 0.05)*; 0.063*

Author, Year, PMID	Outcome	Test Information	Followup Time (baseline N CPAP/N no CPAP)	CPAP, Mean (SD) Baseline	No CPAP, Mean (SD) Baseline	CPAP, Mean (SD) Followup	No CPAP, Mean (SD) Followup	Net Difference (95% CI); P Value
Monasterio, 2001, 11587974{Monasterio, 2001 #163}	WAIS: Digit symbol{Zhu, 2005 #216}	Scaled score (mean 10, SD 3); higher = better	6 months (66/59)	9 (3)	9 (3)	9 (3)	9 (2)	0 (−0.99, 0.99)*; 1.00*
Monasterio, 2001, 11587974{Monasterio, 2001 #163}	WAIS: Digits forward and backward{Zhu, 2005 #216}	Scaled score (mean 10, SD 3); higher = better	6 months (66/59)	10 (2)	10 (3)	11 (3)	11 (2)	0 (−0.93, 0.93)*; 1.00*
Monasterio, 2001, 11587974{Monasterio, 2001 #163}	WMS: Mental control{Franzen, 2000 #213}	Number of correct answers; higher = better	6 months (66/59)	48 (27)	45 (28)	51 (27)	53 (27)	−5.00 (−14.58, 4.58)*; 0.306*
Monasterio, 2001, 11587974{Monasterio, 2001 #163}	WMS: Verbal paired associated{Franzen, 2000 #213}	Number of correct answers; higher = better	6 months (66/59)	30 (26)	31 (27)	41 (30)	43 (32)	−1.00 (−11.21, 9.21)*; 0.848*
Monasterio, 2001, 11587974{Monasterio, 2001 #163}	WMS: Visual memory{Franzen, 2000 #213}	Number of correct answers; higher = better	6 months (66/59)	50 (27)	58 (23)	61 (26)	63 (25)	6.00 (−2.87, 14.87)*; 0.185*

* calculated; bold text indicates statistically significant result. CPAP = continuous positive airway pressure, RCT = randomized controlled trial, CI = confidence interval, WAIS = Wechsler Adults Intelligence Scale, BSRT-SR = Buschke Selective Reminding Test Sum Recall, PFN-TOTL = Pathfinder Number Test Total Time, MMSE = Mini Mental State Examination, WMS = Wechsler Memory Scale, MoCA = Montreal Cognitive Assessment

Correlation of Changes in Breathing Measures with Outcomes

Table D-2. Study data used in correlation analyses of AHI or ODI and clinical outcomes

Study	Breathing Measure	Net Change (95% CI)	Clinical Outcome	Clinical Outcome, Effect (95% CI)	Clinical Outcome, Effect Type
Fernández−Julián (2018)	AHI	−12.8 (−19.47, −6.13)	FOSQ	−0.52 (−0.64, −0.4)	SMD, net change
Huang (2015)	AHI	−0.7 (−2.12, 0.72)	Diabetes Type 2, incident	−0.13 (−1.42, 1.16)	RR
Huang (2015)	AHI	−0.7 (−2.12, 0.72)	Reversion to normotension	−0.48 (−0.9, −0.05)	RR
Huang (2015)	AHI	−0.7 (−2.12, 0.72)	MAC(C)E	−1.56 (−3.57, 0.45)	RR
Monasterio (2001)	AHI	−10 (−12.82, −7.18)	FOSQ	0.09 (−6, 6.18)	SMD, net change
Monasterio (2001)	AHI	−10 (−12.82, −7.18)	Verbal fluency (percentile)	−3 (−12.31, 6.31)	net change
Monasterio (2001)	AHI	−10 (−12.82, −7.18)	Block design (Wechsler Adults Intelligence Scale)	0 (−1.05, 1.05)	net change
Monasterio (2001)	AHI	−10 (−12.82, −7.18)	Trail−making test A	−3 (−10.64, 4.64)	net change
Monasterio (2001)	AHI	−10 (−12.82, −7.18)	Trail−making test B	−19 (−34.29, −3.71)	net change
Monasterio (2001)	AHI	−10 (−12.82, −7.18)	Paced auditory serial addition test 4−s (correct)	−1 (−2.44, 0.44)	net change
Monasterio (2001)	AHI	−10 (−12.82, −7.18)	Paced auditory serial addition test 3−s (correct)	−2 (−3.61, −0.39)	net change
Monasterio (2001)	AHI	−10 (−12.82, −7.18)	Paced auditory serial addition test 2−s (correct)	−1 (−2.4, 0.4)	net change
Monasterio (2001)	AHI	−10 (−12.82, −7.18)	Paced auditory serial addition test 1−s (correct)	−1 (−2.16, 0.16)	net change
Monasterio (2001)	AHI	−10 (−12.82, −7.18)	Block design (Wechsler Adults Intelligence Scale)	−1 (−2.05, 0.05)	net change
Monasterio (2001)	AHI	−10 (−12.82, −7.18)	Digit symbol (Wechsler Adults Intelligence Scale)	0 (−0.99, 0.99)	net change
Monasterio (2001)	AHI	−10 (−12.82, −7.18)	Digits forward and backward (Wechsler Adults Intelligence Scale)	0 (−0.93, 0.93)	net change
Monasterio (2001)	AHI	−10 (−12.82, −7.18)	Mental control (Wechsler Memory Scale)	−5 (−14.58, 4.58)	net change
Monasterio (2001)	AHI	−10 (−12.82, −7.18)	Verbal paired associated (Wechsler Memory Scale)	−1 (−11.21, 9.21)	net change
Monasterio (2001)	AHI	−10 (−12.82, −7.18)	Visual memory (Wechsler Memory Scale)	6 (−2.87, 14.87)	net change
de Vries (2019)	AHI	−22.67 (−29, −16.34)	EuroQol-5D	0.4 (−6.35, 7.15)	net change
de Vries (2019)	AHI	−22.67 (−29, −16.34)	FOSQ	−0.09 (−1.87, 1.69)	SMD, net change
de Vries (2019)	AHI	−22.67 (−29, −16.34)	HADS Anxiety	4.1 (1.95, 6.25)	net change
de Vries (2019)	AHI	−22.67 (−29, −16.34)	HADS Depression	4.6 (2.22, 6.98)	net change
de Vries (2019)	AHI	−22.67 (−29, −16.34)	SF−36 Physical	2.36 (−19.01, 23.73)	net change
de Vries (2019)	AHI	−22.67 (−29, −16.34)	SF−36 Mental	0.37 (−20.18, 20.92)	net change
Meurice (2007)	AHI	−2.37 (−4.87, 0.13)	SF−36 Mental	4.38 (−1.09, 9.85)	net change

Study	Breathing Measure	Net Change (95% CI)	Clinical Outcome	Clinical Outcome, Effect (95% CI)	Clinical Outcome, Effect Type
Meurice (2007)	AHI	−2.37 (−4.87, 0.13)	SF−36 Physical	−0.47 (−3.69, 2.75)	net change
Meurice (2007)	AHI	−2.37 (−4.87, 0.13)	Visual sleepiness scale	6.49 (0.3, 12.68)	net change
Kushida (2011)	AHI	1.54 (−0.37, 3.45)	FOSQ	0.01 (0, 0.02)	SMD, net change
Corral (2017)	AHI	1.4 (−35.64, 38.44)	FOSQ	0.01 (−3.28, 3.3)	SMD, net change
Corral (2017)	AHI	1.4 (−35.64, 38.44)	EuroQol-5D	−0.02 (−0.05, 0.01)	net change
Corral (2017)	AHI	1.4 (−35.64, 38.44)	SF−36 Physical	−1.4 (−3.13, 0.33)	net change
Corral (2017)	AHI	1.4 (−35.64, 38.44)	SF−36 Mental	1.1 (−1.16, 3.36)	net change
Corral (2017)	AHI	1.4 (−35.64, 38.44)	Work/traffic accident	0.61 (0.04, 1.18)	rate ratio
Gagnadoux (2017)	AHI	7.8 (−6.31, 21.91)	SF−36 Physical	−0.3 (−1.08, 0.48)	NR
Gagnadoux (2017)	AHI	7.8 (−6.31, 21.91)	SF−36 Mental	1.2 (−0.56, 2.96)	NR
Bloch (2018)	AHI	−1.5 (−5.03, 2.03)	FOSQ	−0.1 (−0.69, 0.49)	SMD, net change
de Ruiter (2018)	AHI	0.06 (−2.94, 3.06)	FOSQ	0.16 (−4.99, 5.31)	SMD, net change
de Ruiter (2018)	ODI	1.4 (−1.59, 4.39)	FOSQ	0.16 (−4.99, 5.31)	SMD, net change
Corral (2017)	ODI	1.4 (−29.37, 32.17)	FOSQ	0.01 (−3.28, 3.3)	SMD, net change
Corral (2017)	ODI	1.4 (−29.37, 32.17)	EuroQol-5D	−0.02 (−0.05, 0.01)	net change
Corral (2017)	ODI	1.4 (−29.37, 32.17)	SF−36 Physical	−1.4 (−3.13, 0.33)	net change
Corral (2017)	ODI	1.4 (−29.37, 32.17)	SF−36 Mental	1.1 (−1.16, 3.36)	net change
Corral (2017)	ODI	1.4 (−29.37, 32.17)	Work/traffic accident	0.61 (0.04, 1.18)	rate ratio
Gagnadoux (2017)	ODI	1.6 (−1.54, 4.74)	SF−36 Physical	−0.3 (−1.08, 0.48)	NR
Gagnadoux (2017)	ODI	1.6 (−1.54, 4.74)	SF−36 Mental	1.2 (−0.56, 2.96)	NR
Bloch (2018)	ODI	−1.5 (−4.83, 1.83)	FOSQ	−0.1 (−0.69, 0.49)	SMD, net change
Kushida (2012)	ESS	−1 (−1.54, −0.46)	Pathfinder Number Test Total Time	−0.23 (−0.92, 0.46)	net change
Kushida (2012)	ESS	−1 (−1.54, −0.46)	Buschke Selective Reminding Test Sum Recall	−0.05 (−1.19, 1.09)	net change
McEvoy (2016)	ESS	−1.4 (−1.7, −1.1)	CV composite	0.1 (−0.08, 0.27)	risk ratio
McEvoy (2016)	ESS	−1.4 (−1.7, −1.1)	Death, CV	0.22 (−0.36, 0.8)	risk ratio
McEvoy (2016)	ESS	−1.4 (−1.7, −1.1)	Myocardial infarction	0.07 (−0.36, 0.5)	risk ratio
McEvoy (2016)	ESS	−1.4 (−1.7, −1.1)	Stroke	−0.02 (−0.35, 0.3)	risk ratio
McEvoy (2016)	ESS	−1.4 (−1.7, −1.1)	CV composite, ischemic	0.08 (−0.1, 0.26)	risk ratio
McEvoy (2016)	ESS	−1.4 (−1.7, −1.1)	CV composite, MAC(C)E	−0.03 (−0.28, 0.21)	risk ratio
McEvoy (2016)	ESS	−1.4 (−1.7, −1.1)	Death, all−cause	−0.07 (−0.5, 0.35)	risk ratio
McEvoy (2016)	ESS	−1.4 (−1.7, −1.1)	Atrial fibrillation, incident	0.38 (−0.27, 1.03)	risk ratio
McEvoy (2016)	ESS	−1.4 (−1.7, −1.1)	Diabetes Type 2, incident	−0.14 (−0.46, 0.18)	risk ratio
McEvoy (2016)	ESS	−1.4 (−1.7, −1.1)	HADS Anxiety	0.4 (0.12, 0.68)	net change
McEvoy (2016)	ESS	−1.4 (−1.7, −1.1)	HADS Depression	0.7 (0.4, 1)	net change
McEvoy (2016)	ESS	−1.4 (−1.7, −1.1)	SF−36 Physical	0.7 (0.08, 1.32)	net change
McEvoy (2016)	ESS	−1.4 (−1.7, −1.1)	SF−36 Mental	0.9 (0.23, 1.57)	net change
McEvoy (2016)	ESS	−1.4 (−1.7, −1.1)	Road−traffic accidents	−0.14 (−0.55, 0.27)	risk ratio
McEvoy (2016)	ESS	−1.4 (−1.7, −1.1)	Accident causing injury	−0.17 (−0.43, 0.08)	risk ratio
McEvoy (2016)	ESS	−1.4 (−1.7, −1.1)	Days off from work because of poor health	0.04 (−0.09, 0.18)	risk ratio
McEvoy (2016)	ESS	−1.4 (−1.7, −1.1)	Anxiety (HADS anxiety scores 11 to 21)	−0.01 (−0.35, 0.33)	risk ratio

Study	Breathing Measure	Net Change (95% CI)	Clinical Outcome	Clinical Outcome, Effect (95% CI)	Clinical Outcome, Effect Type
McEvoy (2016)	ESS	−1.4 (−1.7, −1.1)	Depression (HADS depression scores 11 to 21)	0.22 (−0.04, 0.49)	risk ratio
McEvoy (2016)	ESS	−1.4 (−1.7, −1.1)	Accident causing injury (events)	−0.15 (−0.33, 0.03)	rate ratio
McEvoy (2016)	ESS	−1.4 (−1.7, −1.1)	Road−traffic accidents (events)	0.22 (−0.13, 0.58)	rate ratio
McEvoy (2016)	ESS	−1.4 (−1.7, −1.1)	Days off from work because of poor health (events)	0.17 (0.14, 0.21)	rate ratio
McMillan (2014)	ESS	−2.1 (−3.05, −1.15)	Motor vehicle accidents	−0.62 (−3, 1.77)	risk ratio
McMillan (2014)	ESS	−2.1 (−3.05, −1.15)	Trauma	0.66 (−0.1, 1.41)	risk ratio
McMillan (2014)	ESS	−2.1 (−3.05, −1.15)	Mini Mental State Examination	0.1 (−0.3, 0.5)	net change
McMillan (2014)	ESS	−2.1 (−3.05, −1.15)	Myocardial infarction	1.97 (−0.97, 4.92)	risk ratio
McMillan (2014)	ESS	−2.1 (−3.05, −1.15)	Stroke	0.03 (−3.9, 3.95)	risk ratio
McMillan (2014)	ESS	−2.1 (−3.05, −1.15)	Transient ischemic attack	−0.67 (−3.03, 1.68)	risk ratio
McMillan (2014)	ESS	−2.1 (−3.05, −1.15)	Angina, incident	−0.37 (−2.13, 1.39)	risk ratio
McMillan (2014)	ESS	−2.1 (−3.05, −1.15)	Atrial fibrillation, incident	−0.67 (−1.53, 0.18)	risk ratio
McMillan (2014)	ESS	−2.1 (−3.05, −1.15)	New peripheral vascular disease	1.12 (−2.05, 4.3)	risk ratio
McMillan (2014)	ESS	−2.1 (−3.05, −1.15)	CV composite, all adverse CV events	−0.16 (−0.82, 0.49)	risk ratio
McMillan (2014)	ESS	−2.1 (−3.05, −1.15)	HADS Anxiety	0.2 (−0.73, 1.13)	net change
McMillan (2014)	ESS	−2.1 (−3.05, −1.15)	HADS Depression	0.4 (−0.37, 1.17)	net change
McMillan (2014)	ESS	−2.1 (−3.05, −1.15)	Calgary sleep apnea quality of life index	0.3 (0.01, 0.59)	net change
McMillan (2014)	ESS	−2.1 (−3.05, −1.15)	Simple reaction time (Deary−Liewald reaction time task)	−16.4 (−39.05, 6.25)	net change
McMillan (2014)	ESS	−2.1 (−3.05, −1.15)	4−choice reaction time, No. correct (Deary−Liewald reaction time task)	0.3 (−0.2, 0.8)	net change
McMillan (2014)	ESS	−2.1 (−3.05, −1.15)	4−choice reaction time, Mean time to correct (Deary−Liewald reaction time task)	−1.8 (−37.2, 33.6)	net change
McMillan (2014)	ESS	−2.1 (−3.05, −1.15)	Digit Symbol Substitution Test	1.1 (−0.55, 2.75)	net change
McMillan (2014)	ESS	−2.1 (−3.05, −1.15)	Trail−making test B	−6.2 (−15.8, 3.4)	net change
Wu (2016)	ESS	−7.36 (−9, −5.72)	Mini Mental State Examination	0.09 (−0.06, 0.24)	net change
Wu (2016)	ESS	−7.36 (−9, −5.72)	Abstraction (Montreal Cognitive Assessment)	−0.28 (−1.64, 1.08)	net change
Wu (2016)	ESS	−7.36 (−9, −5.72)	Attention (Montreal Cognitive Assessment)	0.48 (0.16, 0.8)	net change
Wu (2016)	ESS	−7.36 (−9, −5.72)	Language (Montreal Cognitive Assessment)	0.12 (−0.51, 0.75)	net change
Wu (2016)	ESS	−7.36 (−9, −5.72)	Memory and delayed recall (Montreal Cognitive Assessment)	1 (0, 2)	net change
Wu (2016)	ESS	−7.36 (−9, −5.72)	Naming (Montreal Cognitive Assessment)	−0.04 (−0.23, 0.15)	net change
Wu (2016)	ESS	−7.36 (−9, −5.72)	Orientation (Montreal Cognitive Assessment)	0.05 (−0.02, 0.12)	net change
Wu (2016)	ESS	−7.36 (−9, −5.72)	Visuospatial and executive (Montreal Cognitive Assessment)	0.12 (0.02, 0.22)	net change
Wu (2016)	ESS	−7.36 (−9, −5.72)	Montreal Cognitive Assessment	1.58 (0.86, 2.3)	net change

Study	Breathing Measure	Net Change (95% CI)	Clinical Outcome	Clinical Outcome, Effect (95% CI)	Clinical Outcome, Effect Type
Zhao (2017)	ESS	−1.2 (−2.49, 0.09)	SF−36 Physical	2.4 (−0.42, 5.22)	net change
Zhao (2017)	ESS	−1.2 (−2.49, 0.09)	SF−36 Mental	−2.1 (−5.37, 1.17)	net change
Monasterio (2001)	ESS	−4.7 (−6.79, −2.61)	FOSQ	0.09 (−6, 6.18)	SMD, net change
Monasterio (2001)	ESS	−4.7 (−6.79, −2.61)	Verbal fluency (percentile)	−3 (−12.31, 6.31)	net change
Monasterio (2001)	ESS	−4.7 (−6.79, −2.61)	Block design (Wechsler Adults Intelligence Scale)	0 (−1.05, 1.05)	net change
Monasterio (2001)	ESS	−4.7 (−6.79, −2.61)	Trail−making test A	−3 (−10.64, 4.64)	net change
Monasterio (2001)	ESS	−4.7 (−6.79, −2.61)	Trail−making test B	−19 (−34.29, −3.71)	net change
Monasterio (2001)	ESS	−4.7 (−6.79, −2.61)	Paced auditory serial addition test 4−s (correct)	−1 (−2.44, 0.44)	net change
Monasterio (2001)	ESS	−4.7 (−6.79, −2.61)	Paced auditory serial addition test 3−s (correct)	−2 (−3.61, −0.39)	net change
Monasterio (2001)	ESS	−4.7 (−6.79, −2.61)	Paced auditory serial addition test 2−s (correct)	−1 (−2.4, 0.4)	net change
Monasterio (2001)	ESS	−4.7 (−6.79, −2.61)	Paced auditory serial addition test 1−s (correct)	−1 (−2.16, 0.16)	net change
Monasterio (2001)	ESS	−4.7 (−6.79, −2.61)	Block design (Wechsler Adults Intelligence Scale)	−1 (−2.05, 0.05)	net change
Monasterio (2001)	ESS	−4.7 (−6.79, −2.61)	Digit symbol (Wechsler Adults Intelligence Scale)	0 (−0.99, 0.99)	net change
Monasterio (2001)	ESS	−4.7 (−6.79, −2.61)	Digits forward and backward (Wechsler Adults Intelligence Scale)	0 (−0.93, 0.93)	net change
Monasterio (2001)	ESS	−4.7 (−6.79, −2.61)	Mental control (Wechsler Memory Scale)	−5 (−14.58, 4.58)	net change
Monasterio (2001)	ESS	−4.7 (−6.79, −2.61)	Verbal paired associated (Wechsler Memory Scale)	−1 (−11.21, 9.21)	net change
Monasterio (2001)	ESS	−4.7 (−6.79, −2.61)	Visual memory (Wechsler Memory Scale)	6 (−2.87, 14.87)	net change
de Vries (2019)	ESS	−8.1 (−10.29, −5.91)	EuroQol−5D	0.4 (−6.35, 7.15)	net change
de Vries (2019)	ESS	−8.1 (−10.29, −5.91)	FOSQ	−0.09 (−1.87, 1.69)	SMD, net change
de Vries (2019)	ESS	−8.1 (−10.29, −5.91)	HADS Anxiety	4.1 (1.95, 6.25)	net change
de Vries (2019)	ESS	−8.1 (−10.29, −5.91)	HADS Depression	4.6 (2.22, 6.98)	net change
de Vries (2019)	ESS	−8.1 (−10.29, −5.91)	SF−36 Physical	2.36 (−19.01, 23.73)	net change
de Vries (2019)	ESS	−8.1 (−10.29, −5.91)	SF−36 Mental	0.37 (−20.18, 20.92)	net change
Meurice (2007)	ESS	0.27 (−1.86, 2.39)	SF−36 Mental	4.38 (−1.09, 9.85)	net change
Meurice (2007)	ESS	0.27 (−1.86, 2.39)	SF−36 Physical	−0.47 (−3.69, 2.75)	net change
Meurice (2007)	ESS	0.27 (−1.86, 2.39)	Visual sleepiness scale	6.49 (0.3, 12.68)	net change
Kushida (2011)	ESS	−0.92 (−0.94, −0.89)	FOSQ	0.01 (0, 0.02)	SMD, net change
Corral (2017)	ESS	−0.7 (−1.7, 0.3)	FOSQ	0.01 (−3.28, 3.3)	SMD, net change
Corral (2017)	ESS	−0.7 (−1.7, 0.3)	EuroQol-5D	−0.02 (−0.05, 0.01)	net change
Corral (2017)	ESS	−0.7 (−1.7, 0.3)	SF−36 Physical	−1.4 (−3.13, 0.33)	net change
Corral (2017)	ESS	−0.7 (−1.7, 0.3)	SF−36 Mental	1.1 (−1.16, 3.36)	net change
Corral (2017)	ESS	−0.7 (−1.7, 0.3)	Work/traffic accident	0.61 (0.04, 1.18)	rate ratio

Study	Breathing Measure	Net Change (95% CI)	Clinical Outcome	Clinical Outcome, Effect (95% CI)	Clinical Outcome, Effect Type
Gagnadoux (2017)	ESS	2.7 (−17.68, 23.08)	SF−36 Physical	−0.3 (−1.08, 0.48)	NR
Gagnadoux (2017)	ESS	2.7 (−17.68, 23.08)	SF−36 Mental	1.2 (−0.56, 2.96)	NR
Bloch (2018)	ESS	0.3 (−0.68, 1.28)	FOSQ	−0.1 (−0.69, 0.49)	SMD, net change

Abbreviations: AHI = apnea-hypopnea index, CI = confidence interval, ESS = Epworth Sleepiness Score, FOSQ = Functional Outcome Sleep Questionnaire, HADS = Hospital Anxiety Depression Scale, MAC(C)E = major adverse cardiovascular (cerebrovascular) event, NR = not reported, ODI = oxygen desaturation index, RERA = respiratory effort related arousal, SF = Short Form, SMD = standardized mean difference.

Quality of Life and Function

Table D-3. Quality of Life Outcomes

Scale	Author Year PMID	Timepoint	N Analyzed; Baseline Mean (SD) CPAP	N Analyzed; Baseline Mean (SD) no CPAP	Difference (SD) CPAP	Difference (SD) no CPAP	Net Difference (95% CI)
SF-36: PCS	McEvoy 2016 27571048{McEvoy, 2016 #197}	End of study	1335; 45.4 (7.7)	1332; 45.1 (7.8)	1.3 (7.5)	0.6 (7.6)	**0.9 (0.3, 1.4) P=0.002**
	Zhao 2017 28419387{Zhao, 2017 #186}	1 year	83; 45.2 (9.4)	86; 44.3 (9.6)	1 (SE 1.04)*	-1.4 (SE 0.99)*	**3.4 (95% CI 1.4, 5.3) P<0.001**
	Peker 2016 26914592{Peker, 2016 #293}	1 year	102; 45.2 (9.3)	104; 44.9 (9.6)	-1.1 (SE 0.94)*	0.5 (SE 0.95)*	-1.6 (-4.21, 1.01) P=0.250*
SF-36: MCS	Craig 2012 23111478{Craig, 2012 #132}	6 months	165; 48.2 (10.4)	158; 46.6 (11.3)	NR	NR	**2.6 (0.9, 4.2) P=0.003**
	McEvoy 2016 27571048{McEvoy, 2016 #197}	End of study	1332; 52.6 (8.6)	1332; 52.3 (8.7)	1.0 (8.9)	0.0 (8.9)	**1.2 (0.6, 1.8) P<0.001**
	Shaw, 2016, 26926656 {Shaw, 2016 #175}	6 months	151; 50.0 (11.3)	147; 50.9 (10.0)	2.6 (SE 0.88)*	0.9 (SE 0.84)*	1.7 (-0.67, 4.07) P=0.160*
	Zhao 2017 28419387{Zhao, 2017 #186}	1 year	83; 49.7 (12.0)	86; 50.3 (9.6)	1.6 (SE 1.21)*	3.7 (SE 1.15)*	0.2 (-2.1, 2.4) P=0.869

Scale	Author Year PMID	Timepoint	N Analyzed; Baseline Mean (SD) CPAP	N Analyzed; Baseline Mean (SD) no CPAP	Difference (SD) CPAP	Difference (SD) no CPAP	Net Difference (95% CI)
	Peker 2016 26914592{Peker, 2016 #293}	1 year	102; 51.8 (9.2)	104; 52.3 (9.4)	2.4 (SE 0.83)*	-0.2 (SE 0.94)*	**2.6 (0.1, 5.1) P=0.038***
EuroQol-5D	Craig 2012 23111478{Craig, 2012 #132}	6 months	110; NR	108; NR	NR	NR	0.02 (-0.003, 0.06) P=0.43
	McEvoy 2016 27571048{McEvoy, 2016 #197}2016 27571048	End of study	1252; NR	1229; NR	NR	NR	**0.02 (0.00, 0.05) P=0.03**
SAQLI	Craig 2012 23111478{Craig, 2012 #132}	6 months	167; NR	163; NR	NR	NR	**0.6 (0.4, 0.8) P<0.0001**
	McMillan, 2014, 25172769 PREDICT{McMillan, 2014 #160}	1 year	121; 4.8 (1.2)	119; 4.7 (1.2)	0.7 (SE 0.11)*	0.4 (SE 0.11)*	**0.4 (0.2, 0.6); P<0.001**

* calculated. Bold indicates a statistically significant result. PCS = physical component score, MCS = mental component score, SAQLI = Calgary Sleep Apnea Quality-of-Life Index

Analysis of U.S. Food and Drug Administration Database (CQ 3)

Table D-4. Premarket Notification records data

Document Number	Device Name	Company	Date Approved	Cited Parent K Number(s)	Parent Device (Y/N)
K760339	MONITOR RESPIRATORY (CPAP)	SHERWOOD MEDICAL INDUSTRIES	10/28/1976		No
K771017	CITADEL CPAP ACCESSORY KIT	SHERWOOD MEDICAL INDUSTRIES	6/14/1977		No
K843889	RESPIRONICS SLEEPEASY NASAL CPAP SYS	RESPIRONICS INC.	12/4/1984		No
K851194	AMBU CPAP SYSTEM	AMBU INC.	4/15/1985		No
K860848	VITAL FLOW NASAL CPAP SYSTEM	SYSTEMS 2000 INC.	6/12/1986		No
K871693	SLEEP APNEA NASAL CPAP SYSTEM	PURITAN BENNETT CORP.	9/15/1987		No
K882292	SULLIVAN NASAL CPAP SYSTEM	BAXTER CENTRE FOR MEDICAL RESEARCH	6/21/1988		No
K890193	SINGLE PATIENT USE NASAL (CPAP) CIRCUIT	PURITAN BENNETT CORP.	3/14/1989		No
K893388	DEVILBISS MODEL 7351D REVITALIZER CPAP SYSTEM	DEVILBISS HEALTH CARE INC.	6/23/1989		No
K902276	RESPIRONICS BIPAP PRESSURE ALARM (BIPAP P.A.)	RESPIRONICS INC.	8/17/90		No
K903764	COMPANION 318 NASAL CPAP SYSTEM	PURITAN BENNETT CORP.	9/10/1990		No
K905404	MEDTRONIC SULLIVAN NASAL CPAP SYSTEM	MEDTRONIC VASCULAR	5/13/1991		No
K910194	COMPANION 318 NASAL CPAP DIAGNOSTICS SYSTEM	PURITAN BENNETT CORP.	5/13/1991		No
K911399	NASAL CPAP (CONTINUOUS POSITIVE AIR PRESSURE SYST)	AEQUITRON MEDICAL INC.	9/19/1991		No
K912224	LIFECARE CPAP-100	LIFECARE SERVICES INC.	9/23/1991		No
K915277	ENDOTRACHEAL CPAP SET	VITAL SIGNS INC.	3/20/1992		No
K922178	COMPANION 318 NASAL CPAP SYSTEM -- MODIFICATION	PURITAN BENNETT CORP.	5/29/1992		No
K940581	BAGEASY(R) III CHILD/INFANT DISPOS MAN RESUSCITATORS	RESPIRONICS INC.	5/6/94		No
K931884	SULLIVAN NASAL VPAP SYSTEM	RESCARE LTD.	6/7/1994		No
K940489	SIMON NITINOL FILTER	NITINOL MEDICAL TECHNOLOGIES INC.	8/9/1994		No
K961626	SOLO CPAP SYSTEM	RESPIRONICS INC.	7/18/1996	K953341, K952292	No
K951264	BIPAP MODEL S/T-D	RESPIRONICS INC.	7/29/96	K883825, K905540, K81102, K823958/B, K833786	No
K955324	BIPAP S/T-D 30 SYSTEM	RESPIRONICS INC.	12/20/96	K883825, K951264, K905540, K811102, K950331	No
K964363	BIPAP DUET SYSTEM	RESPIRONICS INC.	1/30/1997	K883825, K905540	No
K970771	SULLIVAN AUTOSET PORTABLE II NASAL CPAP SYSTEM	RESMED LTD.	6/20/1997		Yes
K984407	BIPAP HARMONY S/T MODEL 1001445	RESPIRONICS INC.	5/19/99	K962517	No
K993433	VIRTUOSO LX SMART CPAP SYSTEM	RESPIRONICS INC.	10/27/1999	K953930	No
K011714	BIPAP PRO BI-LEVEL SYSTEM	RESPIRONICS INC.	6/28/2001	K000994	No
K012323	BIPAP SYNCHRONY VENTILATORY SUPPORT SYSTEM	RESPIRONICS INC.	12/20/01	K992530	No
K012554	REMSTAR AUTO CPAP SYSTEM	RESPIRONICS INC.	1/29/2002	K974879, K010263, K993433	No

Document Number	Device Name	Company	Date Approved	Cited Parent K Number(s)	Parent Device (Y/N)
K020777	BIPAP SYNCHRONY VENTILATORY SUPPORT SYSTEM WITH BI-FLEX	RESPIRONICS INC.	3/20/02	K010263, K011714	No
K020730	ORION NASAL CPAP SYSTEM	BIRD PRODUCTS CORP.	5/22/2002		Yes
K021861	REMSTAR PRO WITH C-FLEX CPAP SYSTEM	RESPIRONICS INC.	6/19/2002	K012554, K011714	No
K013909	S7 ELITE CP AP SYSTEM	RESMED CORP.	7/8/2002	K980721	No
K013843	AUTOSET SPIRIT CPAP SYSTEM	RESMED CORP.	7/16/2002	K980721	No
K020886	PURTIAN BENNETT GOOD KNIGHT 420G MODEL M-113900-US; PURTAN BENNETT GOODKNIGHT 420S MODEL M-113903-US	TYCO HEALTHCARE NANCY	11/1/2002	K991150	No
K022192	PEGASUS NASAL CPAP SYSTEM	SENSORMEDICS CORP.	1/24/2003	K020730, K993307, K930656	No
K031470	PURITAN BENNETT GOODKNIGHT 420 EVOLUTION MODEL M-113903-US	TYCO HEALTHCARE NANCY	6/5/2003	K020886, K993584	No
K031460	MODIFICATION TO REMSTAR AUTO CPAP SYSTEM	RESPIRONICS INC.	6/24/2003	K012554, K99343	No
K024191	S7 ELITE AND AUTOSET SPIRIT CPAP SYSTEMS WITH RESLINK	RESMED LTD.	7/2/2003	K013909, K0138431	No
K014074	HOFFRICHTER VECTOR VECTOR PLUS VECTOR BI-VEVEL VECTOR BI-LEVEL PLUS SCALAR SCALAR PLUS; CPAP WITH HUMIDIFIER OPTION	HOFFRICHTER GMBH	7/23/2003	K973161	No
K031656	BIPAP HARMONY VENTILATORY SUPPORT SYSTEM	RESPIRONICS INC.	7/30/03	K012323, K011714	No
K030843	VPAP III	RESMED LTD.	8/15/2003	K013909, K961783	No
K030985	BREAS PV 10I CPAP SYSTEM MODEL PV 10I	VITAL SIGNS INC.	10/15/2003	K001553, K970516, K970771, K984428	No
K032480	AUTOSET SPIRIT SYSTEM	RESMED LTD.	10/16/2003	K013843	No
K022650	APEX MEDICAL CPAP RT 21XX	APEX MEDICAL CORP.	2/4/2004		Yes
K032056	BILEVEL CPAP MODEL 9055 SERIES	SUNRISE MEDICAL	2/20/2004	K952491, K961783, K011229	No
K032834	BIPAP PRO 2 BI-LEVEL SYSTEM	RESPIRONICS INC.	3/4/2004	K011714, K012554, K031460, K031656, K961783	No
K033841	RESMED S8 PRIME CPAP SYSTEM	RESMED LTD.	3/10/2004	K024191, K930656	No
K031064	INVACARE POLARIS EX CPAP MODEL ISP3000	INVACARE CORP.	3/12/2004	K021861, K982242	No
K034032	PLV CONTINUUM VENTILATOR MODEL P2000	RESPIRONICS CALIFORNIA INC.	3/16/04	K022750, K981072, K984056, K990177	No
K041010	REMSTAR AUTO WITH C-FLEX CPAP SYSTEM	RESPIRONICS INC.	5/5/2004	K012554,K031460,K021861	No
K033276	VPAP III ST-A	RESMED LTD.	6/7/2004	K974417	No
K041035	HOFFRICHTER TREND 110 CPAP DEVICE WITH AQUATREND III CPAP HUMIDIFIER ACCESSORY FOR TREND	HOFFRICHTER GMBH	6/9/2004	K014074, K973161, K003561	No
K040941	CPAP HUMIDIFIER MODEL HC234 (AND RELATED ACCESSORIES)	FISHER & PAYKEL HEALTHCARE LTD.	6/10/2004	K973161	No
K041209	RESMED S8 PIONEER CPAP SYSTEM	RESMED LTD.	7/1/2004	K013843, K033841, K030843	No
K041819	GOODKNIGHT 425 MODELM-114500-00	MALLINCKRODT DEVELOPPEMENT FRANCE	7/22/2004	K020886	No
K041828	APEX MEDICAL CPAP MODEL 9S-003	APEX MEDICAL CORP.	7/30/2004		No
K041900	HC604 CPAP HUMIDIFIER	FISHER & PAYKEL HEALTHCARE LTD.	8/31/2004	K040941	No
K043607	BIPAP PRO 2 BI-LEVEL SYSTEM WITH BI-FLEX	RESPIRONICS INC.	1/28/2005	K032834, K012323	No

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K043282	DEVILBISS AUTOADJUST MODEL 9054 SERIES	SUNRISE MEDICAL	2/11/2005	K950849, K032056, K024191, K032480	No
K040202	SALTER LABS CPAP HIGH FLOW CANNULA SYSTEM	SALTER LABS	3/4/2005	K012263, K993433	No
K042945	AURA CPAP SYSTEM	AEIOMED INC.	3/9/2005	K030985, K010263	No
K041823	PIONEER U121 SERIES CPAP	MERITS HEALTH PRODUCTS CO. LTD.	5/10/2005	K982242	No
K050904	CPAP HUMIDIFIER MODEL HC238JHU	FISHER & PAYKEL HEALTHCARE LTD.	5/25/2005	K040941	No
K050072	GOODKNIGHT 425ST	NELLCOR PURITAN BENNETT INC.	6/13/2005	K041819	No
K050759	BIPAP AUTO	RESPIRONICS INC.	6/15/2005	K043607, K041010	No
K051364	VPAP ADAPT	RESMED LTD.	8/16/2005	K033276	No
K052110	M-SERIES PRO CPAP SYTEM	RESPIRONICS INC.	10/20/2005	K021861	No
K052597	BREATHEX OMEGA CPAP DEVICE MODEL 322	HOFFMAN LABORATORIES LLC	12/16/2005	K973161, K990871	No
K053486	TREND 200 CPAP DEVICE MODEL 5CP201; TRENDSET PC SOFTWARE MODEL TRENDSET	HOFFRICHTER GMBH	1/4/2006	K041035	No
K053168	BIPAP FOCUS	RESPIRONICS (IRELAND) LIMITED	1/4/06	K982454, K984407, K031656	No
K061034	BIPAP PLUS M-SERIES BI-LEVEL SYSTEM	RESPIRONICS INC.	6/23/2006	K052110, K43607	No
K061057	BREAS ISLEEP 20+	BREAS MEDICAL AB	6/23/2006	K030985	No
K061200	PRESTIGE CPAP FLOW GENERATOR WITH PRESTIGE HUMIDIFIER	RESMED LTD.	7/20/2006	K013909, K033841	No
K060657	ISLEEP BY BREAS MODELS ISLEEP 10 ISLEEP 20.	BREAS MEDICAL AB	8/18/2006	K001553	No
K062291	VPAP MALIBU WITH H2I	RESMED LTD.	9/8/2006	K030843, K0l3843	No
K063476	BREAS ISLEEP 20I	BREAS MEDICAL AB	1/22/2007	K030985	No
K063540	BIPAP AUTOSV	RESPIRONICS INC.	2/22/07	K992530, K012323, K031656, K060105	No
K063830	REMSTAR AFLEX CPAP SYSTEM	RESPIRONICS INC. SLEEP & HOME RESPIRATORY GROUP	3/9/2007	K040101, K052110, K050759, K041209	No
K070609	APEX MEDICAL XT1 CPAP MODEL 9S-005	APEX MEDICAL CORP.	5/4/2007		Yes
K070328	BIPAP SYNCHRONY WITH AVAPS	RESPIRONICS INC. SLEEP & HOME RESPIRATORY GROUP	5/8/07	K992530, K012323, K020777	No
K071069	MINI CPAP DEVICE AND HUMIDIFIER ACCESSORY	VIASYS SLEEP SYSTEMS LLC.	6/12/2007	K052597, K973161	No
K071171	VPAP AUTO WITH H3I	RESMED LTD.	7/10/2007	K062291, K041209, K013909	No
K071163	WEINMANNCOMFORT 2 MODEL WM 27600 AND WEINMANNAQUA MODEL WM 27603	WEINMANN GERATE FUR MEDIZIN GMBH + CO. KG	7/18/2007	K013909	No
K071212	ESPRIT VENTILATOR SPEAKING MODE OPTION MODEL V1000	RESPIRONICS CALIFORNIA INC.	7/30/07	K981072	No
K071509	BIPAP SYNCHRONY 2 VENTILATORY SUPPORT SYSTEM	RESPIRONICS INC. SLEEP & HOME RESPIRATORY GROUP	8/8/07	K063533	No

Document Number	Device Name	Company	Date Approved	Cited Parent K Number(s)	Parent Device (Y/N)
K072450	ESPRIT VENTILATOR AUTO-TRAK SENSITIVITY OPTION MODEL V1000	RESPIRONICS CALIFORNIA INC.	12/12/07	K981072, K982454, K980642	No
K072009	WEINMANNCOMPACT MODEL WM 27380; WEINMANNCLICK2 MODEL WM 27340	WEINMANN GERATE FUR MEDIZIN GMBH + CO. KG	12/14/2007	K013909, K071163	No
K072996	REMSTAR PRO M-SERIES CPAP & HEATED HUMIDIFIER SYSTEM	RESPIRONICS INC.	12/27/2007	K052110	No
K080131	VPAP ST	RESMED LTD.	4/1/2008	K062291, K041209, K961783, K071171	No
K080079	S8 ESCAPE II	RESMED LTD.	4/8/2008	K033841, K041209, K010909	No
K080439	SANDMAN INFO WITHOUT HUMIDIFIER/ SANDMAN AUTO WITHOUT HUMIDIFIER MODEL M-114801-114802-US; SANDMAN INFO WITH INTERGRATE	MALLINCKRODT DEVELOPPEMENT FRANCE	5/16/2008	K020886, K020886	No
K080692	MACS CPAP SYSTEM	AIRON CORPORATION	6/20/2008	K024344, K043085, K021520, K982283	No
K081029	SLEEPSTYLE 200 AUTO SERIES HC254	FISHER & PAYKEL HEALTHCARE LTD.	9/12/2008	K040941	No
K082237	PURITAN BENNETT SANDMAN DUO AND SANDMAN DUO ST	MALLINCKRODT DEVELOPPEMENT FRANCE	10/9/2008	K071575, K080439, K041819, K050072	No
K082979	S8 ADVANCE	RESMED LTD.	1/2/2009	K080079, KO41209	No
K082605	VPAP AUTO WITH HUMIDAIRE 3I	RESMED LTD.	1/13/2009	K071171, K041900	No
K090248	BIPAP AUTOSV	RESPIRONICS INC. SLEEP & HOME RESPIRATORY GROUP	3/4/09	K063540, K020777	No
K083656	APEX MEDICAL XT AUTO CPAP 9S-005200	APEX MEDICAL CORP.	4/22/2009	K070609, K022650, K032480	No
K090490	MIRAGE ECHO	RESMED CORP.	5/6/2009	K071808, K072940, K081321	No
K090243	REMSTAR M-SERIES AUTO WITH AFLEX CPAP SYSTEM	RESPIRONICS INC. SLEEP & HOME RESPIRATORY GROUP	5/8/2009	K063830	No
K091112	RESPIRONICS SLEEPEASY CPAP SYSTEM	RESPIRONICS INC.	5/15/2009	K010263, K021861	No
K091319	REMSTAR AUTO A-FLEX	RESPIRONICS INC. SLEEP & HOME RESPIRATORY GROUP	8/3/2009	K063830	No
K090710	MERCURY CPAP	MERCURY MEDICAL	8/20/2009	K013884	No
K091919	DEVILBISS INTELLIPAP/SLEEPCUBE BILEVEL S/ST	SUNRISE MEDICAL	9/28/2009	K080131, K032056, K071689	No
K090539	BIPAP AUTOSV ADVANCED	RESPIRONICS INC. SLEEP & HOME RESPIRATORY GROUP	10/30/09	K063540, K063533	No
K092186	VPAP TX	RESMED LTD.	12/22/2009	K051364, K080131, K033276, K952429	No
K092818	BIPAP AVAPS VENTILATORY SUPPORT SYSTEM	RESPIRONICS INC.	1/22/10	K071509, K091319	No
K094040	F&P ICON SERIES CPAP	FISHER & PAYKEL HEALTHCARE LTD.	4/27/2010	K081029, K041900	No
K093862	CAREVENT HANDHELD CPAP SYSTEM	O-TWO MEDICAL TECHNOLOGIES INC.	5/6/2010	K051469, K080692, K021520	No
K100121	MODEL 300157 CPAP SYSTEM	AEIOMED INC.	7/13/2010	K042945, K042130	No
K102513	S9 VPAP ST WITH H5I	RESMED LTD.	1/5/2011	K080131, K091947, K0986	No

Document Number	Device Name	Company	Date Approved	Cited Parent K Number(s)	Parent Device (Y/N)
K103167	STELLAR 150	RESMED GERMANY INC.	3/1/2011	K090113, K060105, K060705	No
K102586	S9 VPAP ADAPT WITH H5I	RESMED LTD.	3/18/2011	K092186	No
K102465	BIPAP AVAPS VENTILATORY SUPPORT SYSTEM	RESPIRONICS INC.	3/24/11	K092818, K082209, K024191	No
K102625	VEGA CPAP SYSTEM/HEATED HUMIDIFIER MODEL CP-03	VEGA TECHNOLOGIES INC.	6/10/2011	K010263	No
K112220	DEVILBISS INTELLIPAP / SLEEPCUBE AUTO BILEVEL	DEVILBISS HEALTHCARE LLC	11/22/2011	K082605, K091919, K071689	No
K113068	REMSTAR AUTO A-FLEX HT	RESPIRONICS INC.	12/16/2011	K091319	No
K112546	O_TWO CPAP SYSTEM	O-TWO MEDICAL TECHNOLOGIES INC.	12/27/2011	K093862, K013884	No
K112914	VPAP TX	RESMED LTD.	12/29/2011	K092186, K103167	No
K113053	BIPAP A 30 VENTILATORY SUPPORT SYSTEM	RESPIRONICS INC.	2/1/12	K092818, K082660, K103167	No
K113288	VPAP ST-A	RESMED LTD.	3/29/2012	K102513, K103167, K033276	No
K103167/B	STELLAR 150	RESMED GERMANY INC.	4/5/2012	K103167	No
K110629	RESMART CPAP RESMART AUTO-CPAP AND RESMART HUMIDIFIER	3B PRODUCTS INC.	4/27/2012	K012553, K024191	No
K120035	APEX MEDICAL ICH CPAP SERIES (9S-007XXX)	APEX MEDICAL CORP.	5/16/2012	K083656	No
K113714	VPAP TX	RESMED LTD.	5/25/2012	K092186	No
K113801	VPAP ADAPT	RESMED CORP	5/25/2012	K102586	No
K120285	K SERIES CPAP SYSTEM WITH HEATED HUMIDIFER	CURATIVE MEDICAL INC.	7/2/2012	K072996	No
K122769	REMSTAR SE	RESPIRONICS INC.	10/9/2012	K113068, K091112, K010263	No
K121705	GEO	RESMED LTD.	10/23/2012	K112393	No
K122324	VPAP S-A	RESMED LTD.	11/13/2012	K113288	No
K112079	APEX MEDICAL XT AUTO CPAP WITH COMPLIANCE IMPROVEMENT ALGORITHM 9S-005720	APEX MEDICAL CORP.	12/6/2012	K083656, K082979	No
K121623	BIPAP A 40 VENTILATORY SUPPORT SYSTEM	RESPIRONICS INC.	12/14/12	K113053, K093416	No
K123897	K SERIES CPAP SYSTEMS	CURATIVE MEDICAL INC.	3/13/2013	K120285	No
K123511	S9 VPAP TX	RESMED LTD.	3/21/2013	K113288, K102513, K113801, K091947	No
K123789	SWIFT FX NANO	RESMED LTD.	3/29/2013	K090244, K102746, K050359	No
K130037	BREATHE CPAP SYSTEM	BREATHE TECHNOLOGIES INC.	5/17/2013	K070609	No
K130077	REMSTAR SE	RESPIRONICS INC.	5/21/2013	K122769	No
K122610	PLAXTRON CPAP SYSTEM MODEL CH-FFM-87XX/CH-FFM-88XX SERIES	SEN MU TECHNOLOGY CO. LTD.	8/5/2013	K013884, K080256	No
K131707	3B RESMART CPAP AND AUTO CPAP SYSTEMS BMC RESMART CPAP AND AUTO CPAP SYSTEMS	3B MEDICAL INC	8/22/2013	K110629	No
K131502	SEATTLE - PAP	SEATTLE CHILDRENS HOSPITAL	10/11/2013	K100011	No
K132127	TRANSCEND AUTO	SOMNETICS INTERNATIONAL INC.	10/17/2013	K100121, K041010	No
K131982	REMSTAR AUTO A-FLEX HT	RESPIRONICS INC.	10/18/2013	K113068	No
K131702	K SERIES CPAP SYSTEMS	CURATIVE MEDICAL INC.	12/6/2013	K123897	No
K132967	3B RESMART CPAP AND AUTO CPAP BMC RESMART CPAP AND AUTO CPAP	3B MEDICAL INC	12/6/2013	K110629	No

Document Number	Device Name	Company	Date Approved	Cited Parent K Number(s)	Parent Device (Y/N)
K132606	S9 CRONULLA FOR HER	RESMED LTD.	1/13/2014	K091948	No
K130828	K SERIES CPAP SYSTEMS	CURATIVE MEDICAL INC.	1/13/2014	K012554, K123897	No
K140159	S9 WANDA VPAP ST	RESMED LTD.	6/17/2014	K102513	No
K140279	S9 GREENHILLS	RESMED LTD.	7/31/2014	K113801	No
K133769	3B RESMART BPAP 25A BMC RESMART BPAP 25A	3B MEDICAL INC	8/25/2014	K131707, K050759	No
K141522	APEX MEDICAL CORP. ICH CPAP WITH PVA 9S-007XXX SERIES	APEX MEDICAL CORP.	10/6/2014	K120035, K112079	No
K140929	Z1 CPAP SYSTEM	HUMAN DESIGN MEDICAL LLC	10/17/2014	K121374	No
K141770	LUNA CPAP AND AUTO-CPAP SYSTEM	3B MEDICAL INC	4/22/2015	K132967	No
K150111	Apex Medical Corp. iCH CPAP with PVA 9S-007XXX Series	APEX MEDICAL CORP.	9/15/2015	K141522	No
K143677	DeVilbiss Intellipap2/DeVilbiss BLUE	DeVilbiss Healthcare LLC	9/18/2015	K113068, K071689	No
K153061	Juno VPAP ST-A	RESMED LTD	4/13/2016	K113288	No
K153387	Luna CPAP and Auto CPAP System	3B MEDICAL INC.	9/8/2016	K141770	No
K160822	S9 VPAP Adapt VPAP Adapt AirCurve 10 ASV	RESMED LTD	9/9/2016	K102586	No
K161487	VPAP Adapt SV VPAP Tx S9 VPAP Tx	ResMed Ltd	9/9/2016	K051364	No
K173856	Express 4 Sleep appliance/CPAP Sidekick appliance	Moses Appliances LLC	6/26/2018		No
K173193	F&P SleepStyle	Fisher & Paykel Healthcare Ltd	8/8/2018	K094040	No
K180388	Transcend 365 miniCPAP System	Somnetics International Inc.	11/30/2018	K132127, K131388	No

Sensitivity Analyses

For outcomes that were meta-analyzed and included both RCT and NRCS evidence, we ran a sensitivity analysis showing the relative change in effect and confidence interval based on how much the analysis borrows from the NRCS evidence. The left side of the figure is the effect with only RCT evidence. As you move right, the curve shows how the effect and CI change with increasing weighting of NRCS evidence until at the right is the effect if all study types are weighted equally.

Figure D-2. Sensitivity Analysis: All-Cause Mortality

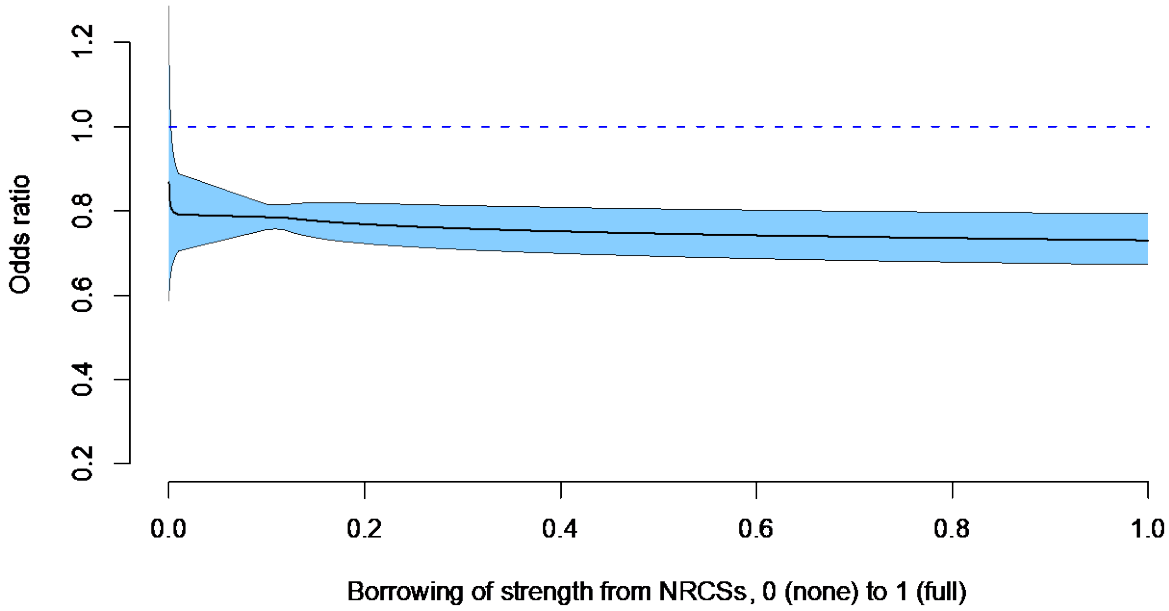

Figure D-3. Sensitivity Analysis: CVD Mortality

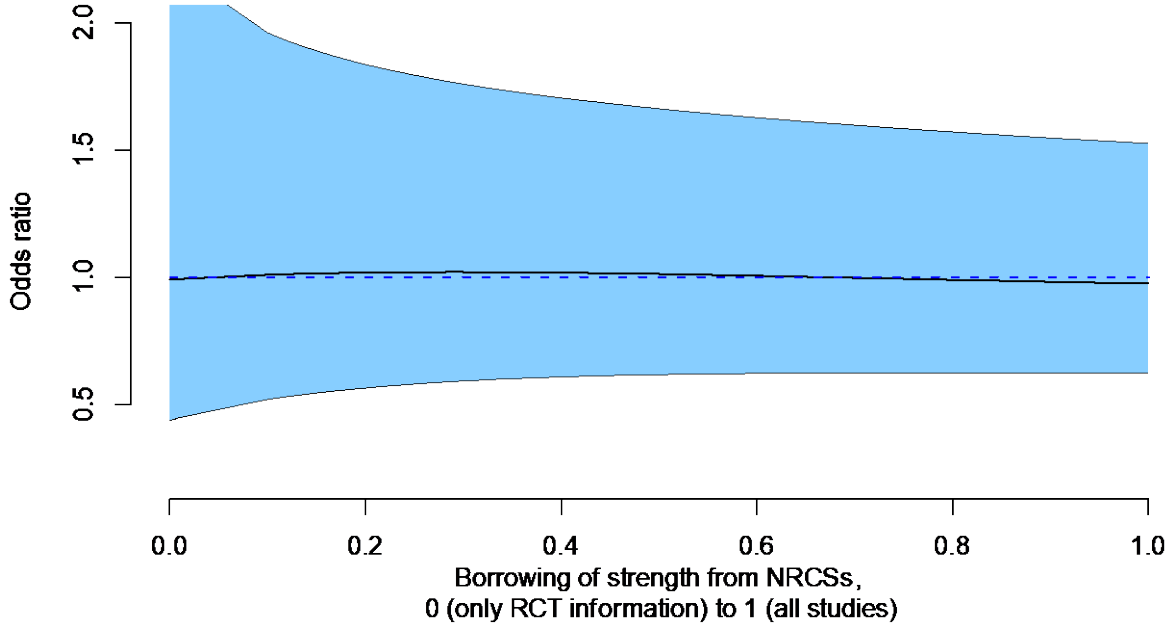

Figure D-4. Sensitivity Analysis: Revascularization

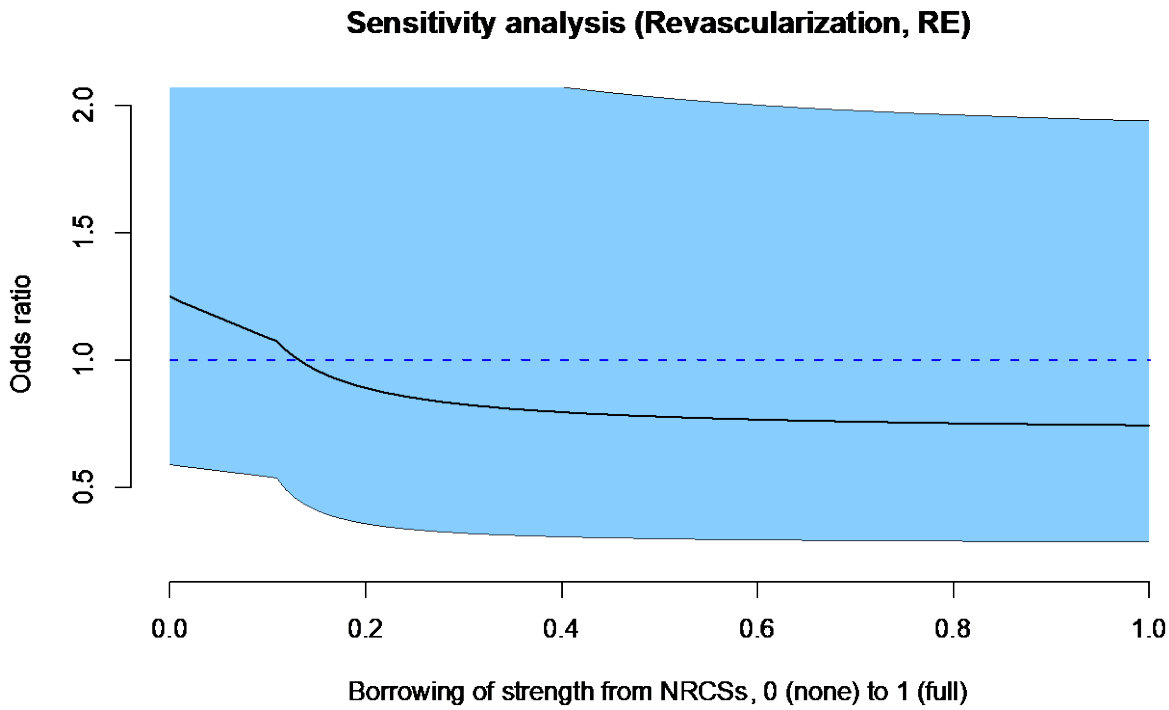

Figure D-5. Sensitivity Analysis: Diabetes

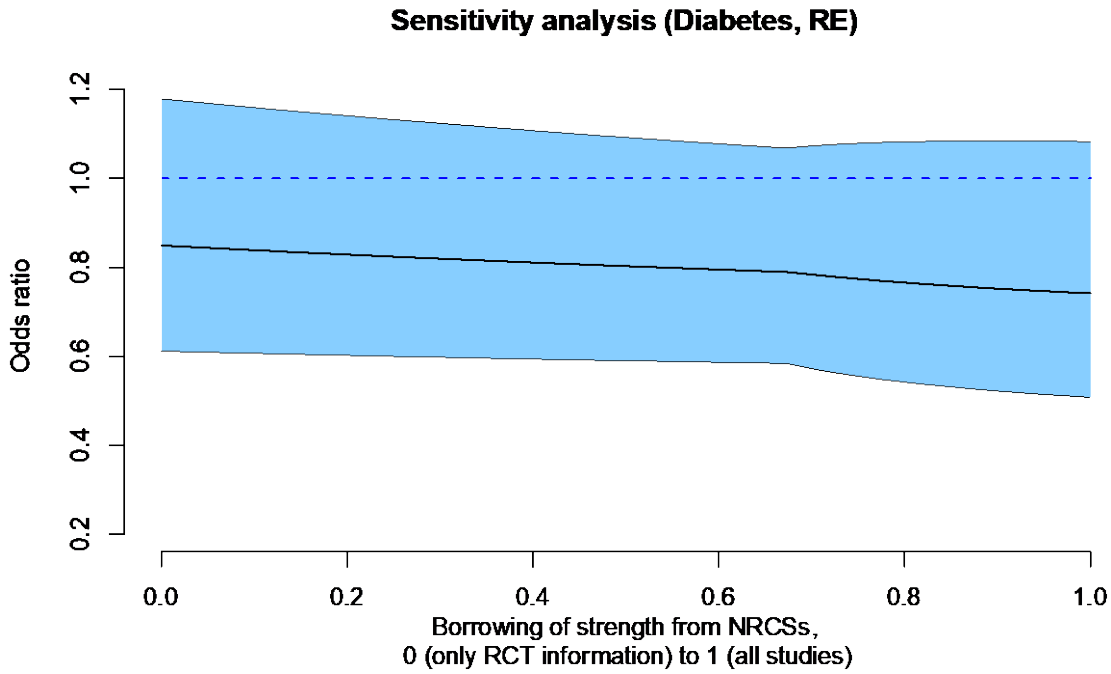

Figure D-6. Sensitivity Analysis: Cognitive: Mini Mental State Examination (MMSE)

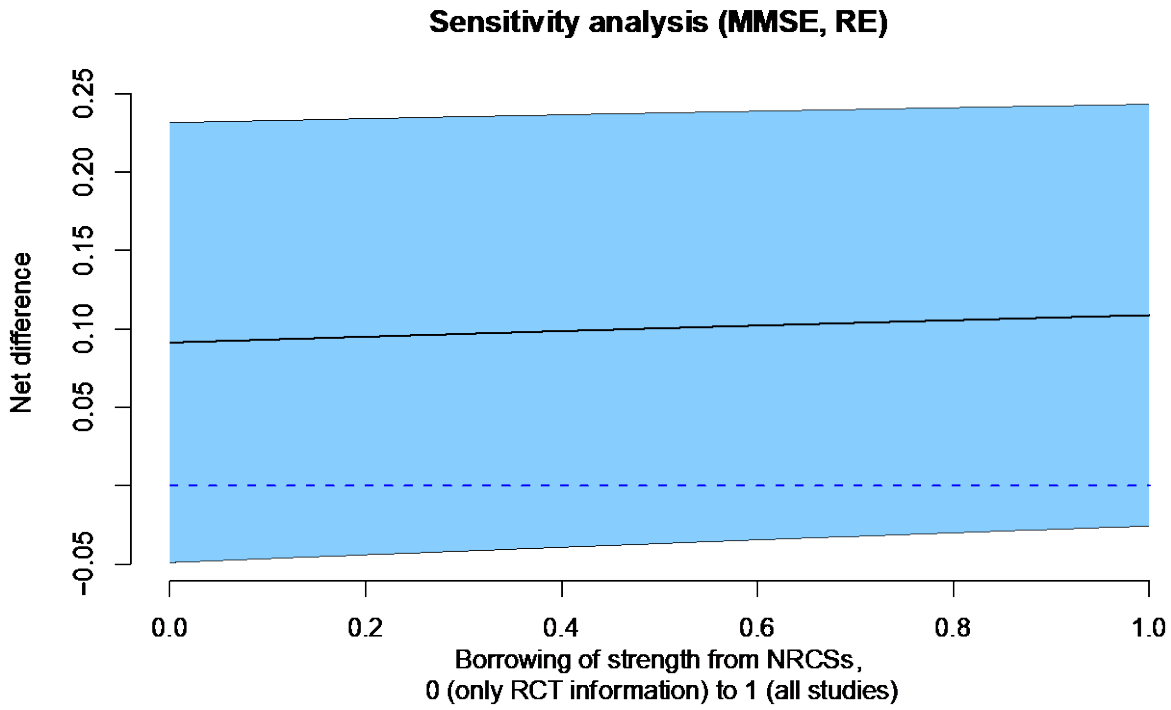

Figure D-7. Sensitivity Analysis: Cognitive: Trail Making Test B (TMT-B)