



COAT Bibliography

Review Articles

These review papers discuss the evidence justifying the use of oral appliances in the treatment of sleep apnea.

Review of oral appliances for treatment of sleep-disordered breathing.

Hoffstein V. Source, Department of Medicine, University of Toronto, St. Michael's Hospital, 30 Bond Street, Toronto, ON, Canada M5B 1W8. Sleep Breath. 2007 Mar;11(1):1-22.

<http://www.ncbi.nlm.nih.gov/pubmed/17136406>

The comparison of CPAP and oral appliances in treatment of patients with OSA: a systematic review and meta-analysis.

Li W1, Xiao L, Hu J. Respir Care. 2013 Jul;58(7):1184-95.

<http://www.ncbi.nlm.nih.gov/pubmed/23287015>

Oral Appliance Treatment for Obstructive Sleep Apnea: An Update

Sutherland K, Vanderveken O, Tsuda H, Marklund M, Gagnadoux F, Kushida C, Cistulli P, Source, Journal of Clinical Sleep Medicine, Vol 10 No 2, 2014.

<http://www.ncbi.nlm.nih.gov/pubmed/24533007>

Evidence for Clinical Efficacy/Preference

A randomised, controlled study of a mandibular advancement splint for obstructive sleep apnea

Atul Mehta, Jin Qian, Peter Petocz, M. Ali Darendeliler, And Peter A. Cistulli. Am. J. Respir. Crit. Care Med., Volume 163, Number 6, May 2001, 1457-1461.

<http://www.ncbi.nlm.nih.gov/pubmed/11371418>

4-year follow-up of treatment with dental appliance or uvulopalatopharyngoplasty in patients with obstructive sleep apnea: a randomized study.

Walker-Engström ML, Tegelberg A, Wilhelmsson B, Ringqvist I. Center for Clinical Research, Central Hospital, Västerås, Uppsala University, Sweden. CHEST. 2002 Mar;121(3):739-46.

<http://www.ncbi.nlm.nih.gov/pubmed/11888954>

Treatment of snoring and obstructive sleep apnea with mandibular repositioning appliances

Peter A. Cistulli, Helen Gotsopoulos, Marie Marklund and Alan A. Lowe. Sleep Med Reviews, Vol 8 Iss 6 pp 427-499 (2004) Copyright © 2005 Elsevier Ltd. All rights reserved.

<http://www.ncbi.nlm.nih.gov/pubmed/15556377>

Long-term compliance and side effects of oral appliances used for the treatment of snoring and obstructive sleep apnea syndrome

de Almeida FR1, Lowe AA, Tsuiki S, Otsuka R, Wong M, Fastlicht S, Ryan F. J Clin Sleep Med. 2005 Apr 15;1(2):143-52.

<http://www.ncbi.nlm.nih.gov/pubmed/17561628>

Dental appliance treatment for obstructive sleep apnea.

Chan AS, Lee RW, Cistulli PA. Centre for Sleep Health and Research, Royal North Shore Hospital, St Leonards NSW 2065, Australia. CHEST. 2007 Aug; 132(2): 693-9.

<http://www.ncbi.nlm.nih.gov/pubmed/17699143>

Complexity and efficacy of mandibular advancement splints: understanding their mode of action.

de Almeida FR. J Clin Sleep Med. 2011 Oct 15;7(5):447-8.

<http://www.ncbi.nlm.nih.gov/pubmed/22003338>

Mandibular advancement splint as short-term alternative treatment in patients with obstructive sleep apnea already effectively treated with continuous positive airway pressure

Almeida FR1, Mulgrew A, Ayas N, Tsuda H, Lowe AA, Fox N, Harrison S, Fleetham JA. J Clin Sleep Med. 2013 Apr 15;9(4):319-24. <http://www.ncbi.nlm.nih.gov/pubmed/23585745>

Patient preferences and experiences of CPAP and oral appliances for the treatment of obstructive sleep apnea: a qualitative analysis.

Almeida FR1, Henrich N, Marra C, Lynd LD, Lowe AA, Tsuda H, Fleetham JA, Pliska B, Ayas N. Sleep Breath. 2013 May;17(2):659-66. <http://www.ncbi.nlm.nih.gov/pubmed/22833346>

Patients' with obstructive sleep apnoea syndrome (OSAS) preferences and demand for treatment: a discrete choice experiment.

Krucien N1, Gafni A, Fleury B, Pelletier-Fleury N. Thorax. 2013 May;68(5):487-8. <http://www.ncbi.nlm.nih.gov/pubmed/23002172>

Evidence for Improved Outcomes

Oral appliance therapy reduces blood pressure in obstructive sleep apnea: a randomized, controlled trial

Gotsopoulos H, Kelly JJ, Cistulli PA. Department of Respiratory & Sleep Medicine, St George Hospital, The University of New South Wales, Sydney Australia Sleep. 2004 Aug 1;27(5):934-41. <http://www.ncbi.nlm.nih.gov/pubmed/15453552>

Effect of oral appliance therapy on neurobehavioral functioning in obstructive sleep apnea: a randomized controlled trial.

Naismith SL1, Winter VR, Hickie IB, Cistulli PA. J Clin Sleep Med. 2005 Oct 15;1(4):374-80. <http://www.ncbi.nlm.nih.gov/pubmed/17564405>

Effect of oral appliances on blood pressure in obstructive sleep apnea: a systematic review and meta-analysis.

Iftikhar IH1, Hays ER, Iverson MA, Magalang UJ, Maas AK. J Clin Sleep Med. 2013 Feb 1;9(2):165-74. <http://www.ncbi.nlm.nih.gov/pubmed/23372472>

Health outcomes of continuous positive airway pressure versus oral appliance treatment for obstructive sleep apnea: a randomized controlled trial.

Phillips CL1, Grunstein RR, Darendeliler MA, Mihailidou AS, Srinivasan VK, Yee BJ, Marks GB, Cistulli PA. Am J Respir Crit Care Med. 2013 Apr 15;187(8):879-87. <http://www.ncbi.nlm.nih.gov/pubmed/23413266>

Cardiovascular mortality in obstructive sleep apnea treated with continuous positive airway pressure or oral appliance: An observational study.

Anandam A, Patil M, Akinnusi M, Jaoude P, El-Solh AA. Respirology. 2013 Nov; 18(8): 1184-90. <http://www.ncbi.nlm.nih.gov/pubmed/23731062>

Mandibular Advancement device and CPAP upon cardiovascular parameters in OSA

Cibele Dal-Fabbro, Silvério Garbuio, Vânia D'Almeida, Fátima D. Cintra, Sergio Tufik, Lia Bittencourt. Sleep. 2014 January 26 <http://www.ncbi.nlm.nih.gov/pubmed/24463982>

Modulation of Inflammatory and Hemostatic Markers in Obstructive Sleep Apnea Patients Treated with Mandibular Advancement Splints: A Parallel, Controlled Trial

Niżankowska-Jędrzejczyk A1, Almeida FR2, Lowe AA2, Kania A3, Nastalek P3, Mejza F3, Foley JH4, Niżankowska-Mogilnicka E3, Undas A5. J Clin Sleep Med. 2014 Mar 15;10(3):255-62. <http://www.ncbi.nlm.nih.gov/pubmed/24634622>

New Technology

Objective measurement of compliance during oral appliance therapy for sleep-disordered breathing.

Vanderveken OM, Dieltjens M, Wouters K, De Backer WA, Van de Heyning PH, Braem MJ. Source, Department of Otolaryngology and Head and Neck Surgery, Antwerp University Hospital, Antwerp, Belgium. Thorax. 2013 Jan;68(1):91-6. doi: 10.1136/thoraxjnl-2012-201900. Epub 2012 Sep 19. <http://www.ncbi.nlm.nih.gov/pubmed/22993169>

Remotely controlled mandibular protrusion during sleep predicts therapeutic success with oral appliances in patients with obstructive sleep apnea.

Remmers J1, Charkhandeh S, Grosse J, Topor Z, Brant R, Santosham P, Bruehlmann S. Sleep. 2013 Oct 1;36(10):1517-25, 1525A. <http://www.ncbi.nlm.nih.gov/pubmed/24082311>

Objectively measured vs self-reported compliance during oral appliance therapy for sleep-disordered breathing

Dieltjens M, Braem MJ, Vroegop AV, Wouters K, Verbraecken JA, De Backer WA, Van de Heyning PH, Vanderveken OM. Chest. 2013 Nov;144(5):1495-502 <http://www.ncbi.nlm.nih.gov/pubmed/23928873>