



Results: 83.7% had an AHI greater than 20 (n = 33; range 7.6-118) with a mean preoperative AHI of 50.5 per hour. The postoperative AHI decreased by 36.3 to a new value of 14.2 (p < 0.001). Most service members experienced a postoperative AHI of less than 20 (n = 28; 76%). Sixteen (43%) had a surgical cure (AHI < 5). The number of surgical successes for this study was 81% (n = 30). The mean minimal nocturnal oxyhemoglobin saturation did not significantly change from preoperative 85% (SD = 6.8%) to postoperative 86% (SD = 7%; p = 0.21).

Conclusion: MMA represents a viable surgical treatment option for military personnel in whom continuous positive airway pressure is either not tolerated or for those who desire a fully deployable status.

Similar articles

Objective and Subjective Outcomes Following Maxillomandibular Advancement Surgery for Treatment of Patients With Extremely Severe Obstructive Sleep Apnea (Apnea-Hypopnea Index >100).

Goodday RH, Bourque SE, Edwards PB.

J Oral Maxillofac Surg. 2016 Mar;74(3):583-9. doi: 10.1016/j.joms.2015.07.016. Epub 2015 Jul 26. PMID: 26272004

Maxillomandibular Advancement for Treatment of Obstructive Sleep Apnea: A Metaanalysis.

Zaghi S, Holty JE, Certal V, Abdullatif J, Guilleminault C, Powell NB, Riley RW, Camacho M. JAMA Otolaryngol Head Neck Surg. 2016 Jan;142(1):58-66. doi: 10.1001/jamaoto.2015.2678. PMID: 26606321 Review.

Long-Term Effectiveness and Safety of Maxillomandibular Advancement for Treatment of Obstructive Sleep Apnea.

 Boyd SB, Walters AS, Waite P, Harding SM, Song Y.

 J Clin Sleep Med. 2015 Jul 15;11(7):699-708. doi: 10.5664/jcsm.4838.

 PMID: 25766718
 Free PMC article.

Lateral Pharyngeal Wall Tension After Maxillomandibular Advancement for Obstructive Sleep Apnea Is a Marker for Surgical Success: Observations From Drug-Induced Sleep Endoscopy.

Liu SY, Huon LK, Powell NB, Riley R, Cho HG, Torre C, Capasso R. J Oral Maxillofac Surg. 2015 Aug;73(8):1575-82. doi: 10.1016/j.joms.2015.01.028. Epub 2015 Feb 7. PMID: 25843814

Improved apnea-hypopnea index and lowest oxygen saturation after maxillomandibular advancement with or without counterclockwise rotation in patients with obstructive sleep apnea: a meta-analysis. Knudsen TB, Laulund AS, Ingerslev J, Homøe P, Pinholt EM. J Oral Maxillofac Surg. 2015 Apr;73(4):719-26. doi: 10.1016/j.joms.2014.08.006. Epub 2014 Aug 11. PMID: 25443377 Review.

| Similar articles | |
|------------------|--|
|------------------|--|

Publication types

MeSH terms

Related information

LinkOut - more resources

PREV RESULT55 of 213

NEXT RESULT 57 of 213

See all similar articles

Publication types

Comparative Study

MeSH terms

- > Adult
- > Female
- > Follow-Up Studies
- > Humans
- > Male
- > Mandibular Advancement / methods*
- > Maxilla / surgery*
- > Middle Aged
- > Military Personnel*
- > Polysomnography
- > Retrospective Studies
- > Sleep Apnea, Obstructive / diagnosis
- > Sleep Apnea, Obstructive / surgery*
- > Treatment Outcome
- > Young Adult

Related information

MedGen

LinkOut - more resources

Full Text Sources Ovid Technologies, Inc.

Silverchair Information Systems

Medical Genetic Alliance MedlinePlus Health Information

Search result 56 of 213 for cure for obstructive sleep apnea

| Effect of body weight on upper airway findings and treatment outcome in children with obstructive sleep | Mandibular positioning techniques to improve sleep quality in patients with obstructive sleep apnea : current | > | | |
|--|--|---|--|--|
| apnea. | perspectives. | | | |
| Van de Perck E, et al. Sleep Med. 2021. PMID: 23198518 | Knappe SW, et al. Nat Sci Sleep. 2018. PMID: 23198518 | | | |
| OBJECTIVE/BACKGROUND: Surgical interventions for obstructive sleep Free PMC article. Review. | | | | |
| apnea (OSA) are less effective in obese than in norm | MAD is noninvasive and is indicated as a first-stage treatment in adult | | | |
| | patients with mild-to-moderate obstructive sleep ap | | | |

| | NCBI Literature Resources | MeSH PMC | Bookshelf Disclaimer | | | | |
|---------------------|--|----------|----------------------|----------------------------------|--|--|--|
| FOLLOW NCBI | | | | | | | |
| | f | in | \mathbf{O} | 3 | | | |
| Connect with NLM | National Library of Medicine 8600 Rockville Pike Bethesda, MD 20894 | | Web Policies FOIA | Help Accessibility Careers | | | |
| NLM NIH HHS USA.gov | | | | | | | |

HHS Vulnerability Disclosure