

## References

1. Moore K. Site specific versus diffuse treatment / presenting severity of obstructive sleep apnea. *Sleep Breath* 2000; 4: 145-146
2. Remmers JE, de Groot WJ, Sauerland EK, Anch AM. Pathogenesis of the upper airway occlusion during sleep. *J Appl Physiol* 1978; 44: 931-938
3. Phillipson EA. Control of breathing during sleep. *Am Rev Respir Dis* 1978; 118: 909-939
4. Guilleminault C, Stoohs R, Clerk J, Simmons J, Labanowski M. A cause of excessive daytime sleepiness: the upper airway resistance syndrome. *Chest* 1993; 104: 781-787
5. Guilleminault C, van den Hoed J, Mitler MM. In: Guilleminault C, Dement WC: Sleep apnea syndromes. Alan R. Liss Inc, New York; 1978: p1-12
6. Jennum P, Hein HO, Suadicani P, Gyntelberg F. Cardiovascular risk factors in snorers. A cross sectional study of 3323 men aged 54 to 74 years: the Copenhagen Mal Study. *Chest* 1992; 102: 1371-1376
7. Young T, Palat M, Dempsey J, Skatrud J, Weber S, Badr S. The occurrence of sleep-disordered breathing among middle-aged adults. *N Engl J Med* 1993; 328: 1230-1235
8. Hung J, Whitford EG, Parsons RW, Hillman DR. Association of sleep apnoea with myocardial infarction in men. *Lancet* 1990; 336: 261-264
9. Dyken ME, Sommers VK, Yamada T, Ren ZY, Zimmerman MB. Investigating the relationship between stroke and obstructive sleep apnea. *Stroke* 1996; 27: 401-407
10. Peppard P, Young T, Palta M, Skatrud J. Prospective study of the association between sleep disordered breathing and hypertension. *N Engl J Med* 2000; 342: 1378-1384
11. Teran-Santos J, Jimenez-Gomez A, Cordero-Guevara J. The association between sleep apnea and the risk of traffic accidents. Cooperative Group Burgos-Santander. *N Engl J Med* 1999; 340: 847-851
12. American Sleep Disorders Association. Practice parameters for the indications for polysomnography and related procedures. *Sleep* 1997; 20: 406-422
13. Fischer J, Mayer G, Hermann J, Riemann D, Sitter H. Untersuchungsstandards im medizinischen Zentrum. *Somnologie* 2001; 5 (Suppl 3): 41-59
14. American Sleep Disorders Association. Practice parameters for the treatment of obstructive sleep apnea in adults: the efficacy of surgical modifications of the upper airway. *Sleep* 1996; 19: 152-155
15. Lugaresi E, Cirignotta F, Gerardi R, Montagna P. Snoring and sleep apnea: Natural history of heavy snorers disease. In Guilleminault C, Partinen M (editors): Obstructive sleep apnea syndrome: Clinical research and treatment. New York, Raven Press, 1990; p 25-36
16. Mortimore IL, Bradley PA, Murray JA, Douglas NJ. Uvulopalatopharyngoplasty may compromise nasal CPAP therapy in sleep apnea syndrome. *Am J Respir Crit Care Med* 1996; 154: 1759-1762
17. He J, Kryger MH, Zorick FJ, Conway W, Roth T. Mortality and apnea index in obstructive sleep apnea: Experience in 385 male patients. *Chest* 1988; 94: 9-14
18. Pirsig W, Hörmann K, Siegert R, Maurer J, Verse T. Leitlinie der Deutschen Gesellschaft für Hals-Nasen-Ohren-Heilkunde, Kopf- und Halschirurgie „Obstruktive Schlapapnoe“ [in German]. *HNO* 1998; 46: 730
19. Fujita S. Pharyngeal surgery for obstructive sleep apnea and snoring. In: Fairbanks DNF (Eds) Snoring and obstructive sleep apnea. Raven Press, New York; 1987; pp 101-128
20. Canadian Task Force on the Periodic Health Examination. The periodic health examination: 2. 1987 update. *Can Med Assoc J* 1988; 138: 618-626
21. Canadian Task Force on the Periodic Health Examination. The Canadian guide to clinical preventive health care. Ottawa: Minister of Supply and Services, Canada, 1994
22. Browman CP, Sampson MG, Yolles FS, Gujavarti KS, Weiler SJ, Walsleben JA, Hahn PM, Mitler MM. Obstructive sleep apnea and body weight. *Chest* 1984; 85: 435-438
23. Sampol G, Munoz X, Sagalés MT, Martí S, Roca A, Dolors de la Calzada M, Lloberes P, Morell F. Long-term efficacy of dietary weight loss in sleep apnoea/hypopnoea syndrome. *Eur Respir J* 1998; 12: 1156-1159
24. Maurer JT, Hein G, Stuck BA, Verse T, Hörmann K. Treatment of obstructive sleep apnea with a new vest preventing the supine position [in German]. *DMW* 2003; 128: 71-75
25. Hein H, Magnussen H. Who did what with drugs in sleep apnea syndrome? [in German] *Somnologie* 1998; 2: 77-88
26. Sullivan CE, Issa FG, Berthon-Jones M, Eves L. Reversal of obstructive sleep apnoea by continuous positive airway pressure applied through the nares. *Lancet* 1981; 1: 862-865
27. Dobrowski JM, Ahmed M. Positive airway pressure for obstructive sleep apnea. In: Fairbanks DNF, Mickelson SA, Woodson BT. Snoring and obstructive sleep apnea. 3rd edition, Lippincott Williams & Wilkins, Philadelphia, 2002: p. 95-106
28. Jenkinson C, Davies RJ, Stradling JR. Comparison of therapeutic and subtherapeutic nasal continuous positive airway pressure for obstructive sleep apneoea: a randomised prospective parallel trial. *Lancet* 1999; 353: 2100-2105
29. Ballester E, Badia JR, Hernandez L, Carrasco E, de Pablo J, Fornas C, Rodriguez-Roisin R, Montserrat JM. Evidence of the effectiveness of continuous positive airway pressure in the treatment of sleep apnea/hypopnea

- syndrome. *Am J Respir Crit Care Med*. 1999; 159: 495-501
30. McArdle N, Dervieux G, Heidarnejad H, Engleman HM, Mackay TW, Douglas NJ. Long-term use of CPAP therapy for sleep apnea / hypopnea syndrome. *Am J Respir Crit Care Med* 1999; 159: 1108-1114
31. Janson C, Nöges E, Svedberg-Brandt S, Lindberg E. What characterizes patients who are unable to tolerate continuous positive airway pressure (CPAP) treatment? *Resp Med* 2000; 94: 145-149
32. Souter MA, Stevenson S, Sparks B, Drennan C. Upper airway surgery benefits patients with obstructive sleep apnoea who cannot tolerate nasal continuous positive airway pressure. *J Laryngol Otol* 2004; 118: 270-274
33. Schmidt-Nowara W, Lowe A, Wiegand L, Cartwright R, Perez-Guerra F, Menn S. Oral appliances for the treatment of snoring and obstructive sleep apnea: a review. *Sleep* 1995; 18: 501-510
34. Menn SJ, Loube DI, Morgan TD, Mitler MM, Berger JS, Erman MK. The mandibula repositioning device: role in the treatment of obstructive sleep apnea. *Sleep* 1996; 19: 794-800
35. Clark GT, Blumenfeld I, Yoffe N, Peled E, Lavie P. A crossover study comparing the efficacy of continuous positive airway pressure with anterior mandibular positioning devices on patients with obstructive sleep apnea. *Chest* 1996; 109: 1477-1483
36. Ferguson KA, Ono T, Lowe AA, Keenan SP, Fleetham JA. A randomized cross-over study of an oral appliance vs nasal-continuous positive airway pressure in the treatment of mild-moderate obstructive sleep apnea. *Chest* 1996; 109: 1269-1275
37. Pantin CC, Hillman DR, Tennant M. Dental side effects of an oral device to treat snoring and obstructive sleep apnea. *Sleep* 1999; 22: 237-240
38. Randerath WJ, Galetke W, Domanski U, Weitkunat R, Ruhle KH. Tongue-muscle training by intraoral electrical neurostimulation in patients with obstructive sleep apnea. *Sleep* 2004; 27: 254-259
39. Verse T, Schwalb J, Hörmann K, Stuck BA, Maurer JT. Submental transcutaneous electrical stimulation for obstructive sleep apnea [in German]. *HNO* 2003; 51: 966-970
40. Nieminen P, Tolonen U, Löppönen H. Snoring and obstructive sleep apnea in children. A 6-month follow-up study. *Arch Otolaryngol Head Neck Surg* 2000; 126: 481-486
41. Jain A, Sahni JK. Polysomnographic studies in children undergoing adenoidectomy and/or tonsillectomy. *J Laryngol Otol* 2002; 116: 711-715
42. Brooks LJ, Stephens BM, Bacevice AM. Adenoid size is related to severity but not the number of episodes of obstructive apnea in children. *J Pediatr* 1998; 132: 682-686
43. Hibbert J, Stell P. Adenoidectomy. An evaluation of the indications. *Arch Dis Child* 1978; 53: 910-911
44. Chen JM, Schloss MD, Azouz ME. Antrochoanal polyp: a 10-year retrospective study in the pediatric population with a review of the literature. *J Otolaryngol* 1989; 18: 168-172
45. Orvidas LJ, Beatty CW, Weaver AL. Antrochoanal polyps in children. *Am J Rhinol* 2001; 15: 321-325
46. Rodgers GK, Chan KH, Dahl RE. Antral choanal polyp presenting as obstructive sleep apnea syndrome. *Arch Otolaryngol Head Neck Surg* 1991; 117: 914-916
47. Salib RJ, Sadek SA, Dutt SN, Pearman K. Antrochoanal polyp presenting with obstructive sleep apnoea and cachexia. *Int J Pediatr Otorhinolaryngol* 2000; 54: 163-166
48. Brausewetter F, Hecht M, Pirsig W. Antrochoanal polyp and obstructive sleep apnoea in children. *J Laryngol Otol* 2004; 118: 453-458
49. Crampette L, Mondain M, Rombaux P. Sphenochoanal polyp in children. Diagnosis and treatment. *Rhinology* 1995; 33: 43-45
50. Donnelly LF, Surdulescu V, Chini BA, Casper KA, Poe SA, Amin RS. Upper airway motion depicted at cine MR imaging performed during sleep: comparison between young patients with and those without obstructive sleep apnea. *Radiology* 2003; 227: 239-245
51. Khalifa MS, Kamel RH, Abu Zikry M, Kandil TM. Effect of enlarged adenoids on arterial blood gases in children. *J Laryngol Otol* 1991; 105: 436-438
52. Paditz E, Knauth H, Baerthold W. Effect of adenotomy on mental performance of children with adenoid vegetations [in German]. *Wien Med Wochenschr* 1996; 146: 327-328
53. Guilleminault C, Eldridge FL, Simmons FB, Dement WC. Sleep apnea in eight children. *Pediatrics* 1976; 58: 23-30
54. Konno A, Hoshino T, Togawa K. Influence of upper airway obstruction by enlarged tonsils and adenoids upon recurrent infection of the lower airway in childhood. *Laryngoscope* 1980; 90: 1709-1716
55. Hultcrantz E, Linder A, Markström A. Tonsillectomy or tonsillotomy? - a randomized study comparing postoperative pain and long-term effects. *Int J Pediatr Otorhinolaryngol* 1999; 51: 171-176
56. Nelson LM. Radiofrequency treatment for obstructive tonsillar hypertrophy. *Arch Otolaryngol Head Neck Surg* 2000; 126: 736-740
57. Agren K, Nordlander B, Linder-Aronsson S, Zettergren-Wijk L, Svanborg E. Children with nocturnal upper airway obstruction: postoperative orthodontic and respiratory improvement. *Acta Otolaryngol* 1998; 118: 581-587
58. Ahlquist-Rastad J, Hultcrantz E, Svanholm H. Children with tonsillar obstruction: indications for and efficacy of tonsillectomy. *Acta Pediatr Scand* 1988; 77: 831-835

59. Helling K, Abrams J, Bertram WK, Hohner S, Scherer H. Laser tonsillotomy - a method for treating tonsillar hyperplasia in early childhood [in German]. *HNO* 2002; 50: 410-414
60. Swift AC. Upper airway obstruction, sleep disturbance and adenotonsillectomy in children. *J Laryngol Otol* 1988; 102: 419-422
61. Stradling JR, Thomas G, Earley ARH, Williams P, Freeland A. Effect of adenotonsillectomy on nocturnal hypoxaemia, sleep disturbance, and symptoms in snoring children. *Lancet* 1990; 335: 249-253
62. Urschitz MS, Guenther A, Eggebrecht E, Wolf J, Urschitz-Duprat PM, Schlaud M, Poets CF. Snoring, intermittent hypoxia and academic performance in primary school children. *Am J Respir Crit Care Med* 2003; 168: 464-468
63. Blunden S, Lushington K, Kennedy D, Martin J, Dawson D. Behavior and neurocognitive performance in children aged 5-10 years who snore compared to normal controls. *J Clin Exp Neuropsych* 2000; 22: 554-568
64. Friedman BC, Hendeles-Amitai A, Kozminsky E, Leiberman A, Friger M, Tarasiuk A, Tal A. Adenotonsillectomy improves neurocognitive function in children with obstructive sleep apnea syndrome. *Sleep* 2003; 26: 999-1005
65. Frank Y, Krevath RE, Pollak CP, Weitzman ED. Obstructive sleep apnea and its therapy: clinical and polysomnographic manifestations. *Pediatrics* 1983; 71: 737-742
66. Bar A, Tarasiuk A, Segev Y, Phillip M, Tal A. The effect of adenotonsillectomy on serum insulin-like growth factor-I and growth in children with obstructive sleep apnea syndrome. *J Pediatr* 1999; 135: 76-80
67. Helfaer MA, McColley SA, Pyzik PL, Tunkel DE, Nichols DG, Baroody FM, April MM, Maxwell LG, Loughlin GM. Polysomnography after adenotonsillectomy in mild pediatric obstructive sleep apnea. *Am J Resp Crit Care Med* 1996; 24: 1232-1237
68. Shintani T, Asakura K, Kataura A. The effect of adenotonsillectomy in children with OSA. *Int J Pediatr Otorhinolaryngol* 1998; 44: 51-58
69. Suen JS, Arnold JE, Brooks LJ. Adenotonsillectomy for treatment of obstructive sleep apnea in children. *Arch Otolaryngol Head Neck Surg*. 1995; 121: 525-530
70. Wiet GJ, Bower C, Seibert R, Griebel M. Surgical correction of obstructive sleep apnea in the complicated pediatric patient documented by polysomnography. *Int J Pediatr Otorhinolaryngol* 1997; 41: 133-143
71. Zucconi M, Strambi LF, Pestalozza G, Tessitore E, Smire S. Habitual snoring and obstructive sleep apnea syndrome in children: effect of early tonsil surgery. *Int J Pediatr Otorhinolaryngol* 1993; 26: 235-243
72. Nandapalan V, McCormick MS, Jones TM, Gibson H. Does adenotonsillectomy cure hypoxaemia in children with sleep apnoea and congenital cardiac pathology? *Int J Pediatr Otorhinolaryngol* 1999; 50: 55-62
73. Kudoh F, Sanai A. Effect of tonsillectomy and adenoidectomy on obese children with sleep-associated breathing disorders. *Acta Otolaryngol* 1996; Suppl 523: 216-218
74. Guilleminault C, Partinen M, Praud JP, Quera-Salva MA, Powell N, Riley R. Morphometric facial changes and obstructive sleep apnea in adolescents. *J Pediatr* 1989; 114: 997-999
75. Guilleminault C, Korobkin R, Winkle R. A review of 50 children with obstructive sleep apnea syndrome. *Lung* 1981; 159: 275-287
76. Aubert-Tulkens G, Hamoir M, van den Eeckhaut J, Rodenstein DO. Failure of tonsil and nose surgery in adults with long-standing severe sleep apnea syndrome. *Arch Intern Med* 1989; 149: 2118-2121
77. Houghton DJ, Camilleri AE, Stone P. Adult obstructive sleep apnoea syndrome and tonsillectomy. *J Laryngol Otol* 1997; 111: 829-832
78. Moser RJ, Rajagopal KR. Obstructive sleep apnea in adults with tonsillar hypertrophy. *Arch Intern Med* 1987; 147: 1265-1267
79. Orr WC, Martin RJ. Obstructive sleep apnea associated with tonsillar hypertrophy in adults. *Arch Intern Med* 1981; 141: 990-992
80. Rubin AH, Eliaschar I, Joachim Z, Alroy G, Lavie P. Effects of nasal surgery and tonsillectomy on sleep apnea. *Bull Eur Physiopathol Respir* 1983; 19: 612-615
81. Verse T, Kroker B, Pirsig W, Brosch S. Tonsillectomy for treatment of obstructive sleep apnea in adults with tonsillar hypertrophy. *Laryngoscope* 2000; 110: 1556-1559
82. Sher AE, Schechtman KB, Piccirillo JF. The efficacy of surgical modifications of the upper airway in adults with obstructive sleep apnea syndrome. *Sleep* 1996; 19: 156-177
83. Li KK, Powell NB, Riley RW, Troell RJ, Guilleminault C. Radiofrequency volumetric tissue reduction for treatment of turbinate hypertrophy: a pilot study. *Otolaryngol Head Neck Surg* 1998; 119: 569-573
84. Powell NB, Riley RW, Troell RJ, Li K, Blumen MB, Guilleminault C. Radiofrequency volumetric tissue reduction of the palate in subjects with sleep disordered breathing. *Chest* 1998; 113: 1163-1174
85. Powell NB, Riley RW, Guilleminault C. Radiofrequency tongue base reduction in sleep-disordered breathing: a pilot study. *Otolaryngol Head Neck Surg* 1999; 120: 656-664
86. Friedman M, LoSavio P, Ibrahim H, Ramakrishnan V. Radiofrequency tonsil reduction: safety, morbidity, and efficacy. *Laryngoscope* 2003; 113: 882-887
87. Nelson LM. Temperature-controlled radiofrequency tonsil reduction in children. *Arch Otolaryngol Head Neck Surg* 2003; 129: 533-537

88. Nelson LM. Temperature-controlled radiofrequency tonsil reduction: extended follow-up. *Otolaryngol Head Neck Surg* 2001; 125: 456-461
89. Fischer Y, Khan M, Mann WJ. Multilevel temperature-controlled radiofrequency therapy of soft palate, base of tongue, and tonsils in adults with obstructive sleep apnea. *Laryngoscope* 2003; 113: 1786-1791
90. Verse T, Pirsig W. Laser-assisted uvulopalatoplasty in the treatment of obstructive sleep apnea [in German]. *HNO aktuell* 2000; 8: 195-202
91. Haavisto L, Suonpaa J. Complications of uvulopalatoplasty. *Clin Otolaryngol* 1994; 19: 243-247
92. Katsantonis GP, Friedman WH, Krebs FJ, Walsh JK. Nasopharyngeal complications following uvulopalatopharyngoplasty. *Laryngoscope* 1987; 97: 309-314
93. Pirsig W, Schäfer J, Yildiz F, Nagel J. Uvulopalatopharyngoplasty without complications: a Fujita modification [in German]. *Laryngo-Rhino-Otol* 1989; 68: 585-590
94. Fujita S, Conway W, Zorick F. Surgical correction of anatomic abnormalities in obstructive sleep apnea syndrome: Uvulopalatopharyngoplasty. *Otolaryngol Head Neck Surg* 1981; 89: 923-934
95. Macnab T, Blokmanis A, Dickson RI. Long-term results of uvulopalatopharyngoplasty for snoring. *J Otolaryngol* 1992; 21: 350-354
96. Levin BC, Becker GD. Uvulopalatopharyngoplasty for snoring: long-term results. *Laryngoscope* 1994; 104: 1150-1152
97. Chabolle F, de Dieuleveult T, Cabanes J, Séquert C, Dahan S, Drweski P, Engalenc D. Long-term results of surgical pharyngotomy (uvulo-palato-pharyngoplasty) versus office CO<sub>2</sub> laser (LAUP) for treatment of uncomplicated rhonchopathy [in French]. *Ann Otolaryngol Chir Cervicofac* 1998; 115: 196-201
98. Hultcrantz E, Johansson K, Bengtson H. The effect of uvulopalatopharyngoplasty without tonsillectomy using local anaesthesia: a prospective long-term follow-up. *J Laryngol Otol* 1999; 113: 542-547
99. Hagert B, Wahren LK, Wikblad K, Ödkvist L. Patients' and cohabitants reports on snoring and daytime sleepiness, 1 - 8 years after surgical treatment of snoring. *ORL J Otolaryngol Relat Spec* 1999; 61: 19-24
100. Pasche P, Pellanda A, Jaques B. Obstructive sleep apnea syndrome and snoring: what is the role of surgery? *Otorhinolaryngol Nova* 2000; 10: 127-137
101. Hicklin LA, Tostevin P, Dasan S. Retrospective survey of long-term results and patient satisfaction with uvulopalatopharyngoplasty for snoring. *J Laryngol Otol* 2000; 114: 675-681
102. Hassid S, Afrapoli AH, Decaaestecker C, Choufani G. UPPP for snoring: long-term results and patient satisfaction. *Acta Otorhinolaryngol Belg* 2002; 56: 157-162
103. Boudewyns A de Cock W, Willemen M, Wagemans M, de Backer W, van de Heyning PH. Influence of uvulopalatopharyngoplasty on alpha-EEG arousals in nonapneic snorers. *Eur Respir J* 1997; 10: 129-132
104. Janson C, Hillerdal G, Larsson L, Hultcrantz E, Lindholm CE, Bengtsson H, Hetta J. Excessive daytime sleepiness and fatigue in nonapnoeic snorers: improvement after UPPP. *Eur Respir J* 1994; 7: 845-849
105. Osman EZ, Osborne JE, Hill PD, Lee BWV, Hammad Z. Uvulopalatopharyngoplasty versus laser assisted uvulopalatoplasty for the treatment of snoring: an objective randomized clinical trial. *Clin Otolaryngol* 2000; 25: 305-310
106. Osman EZ, Abo-Khatwa, Hill PD, Lee BWV, Osborne J. Palatal surgery for snoring: objective long-term evaluation. *Clin Otolaryngol* 2003; 28: 257-261
107. Lysdahl M, Haraldson PO. Uvulopalatopharyngoplasty versus laser uvulopalatoplasty: prospective long-term follow-up of self-reported symptoms. *Acta Otolaryngol* 2002; 122: 752-757
108. Perello-Scherdel E, Quesada P, Lorente J, Lao J, Prades J. Long-term follow-up of partial resection of the palate as a surgical treatment for obstructive sleep apnea syndrome. In: Tos M, Thomsen J, Balle V (eds): *Rhinology - a state of the art*. Kugler, Amsterdam, New York; 1995: pp 261-262
109. Lu SJ, Chang SY, Shiao GM. Comparison between short-term and long-term post-operative evaluation of sleep apnea after uvulopalatopharyngoplasty. *J Laryngol Otol* 1995; 109: 308-312
110. Larsson LH, Carlsson-Nordlander B, Svanborg E. Four-year follow-up after uvulopalatopharyngoplasty in 50 unselected patients with obstructive sleep apnea syndrome. *Laryngoscope* 1994; 104: 1362-1368
111. Janson C, Gislason T, Bengtsson H, Eriksson G, Lindberg E, Lindholm CE, Hultcrantz E, Hetta J, Boman G. Long-term follow-up of patients with obstructive sleep apnea treated with uvulopalatopharyngoplasty. *Arch Otolaryngol Head Neck Surg* 1997; 123: 257-262
112. Boot H, van Wegen R, Poublon RML, Bogaard JM, Schmitz PIM, van der Meche FGA. Long-term results of uvulopalatopharyngoplasty for obstructive sleep apnea syndrome. *Laryngoscope* 2000; 110: 469-475
113. Lysdahl M, Haraldson PO. Long-term survival after uvulopalatopharyngoplasty in nonobese heavy snorers: a 5- to 9-year follow-up of 400 consecutive patients. *Arch Otolaryngol Head Neck Surg* 2000; 126: 1136-1140
114. Keenan SP, Burt H, Ryan CF, Fleetham JA. Long-term survival of patients with obstructive sleep apnea treated by uvulopalatopharyngoplasty or nasal CPAP. *Chest* 1994; 105: 155-159

115. Haraldson PO, Carenfelt C, Persson HE, Sachs C, Tornros J. Simulated long-term driving performance before and after uvulopalatopharyngoplasty. *ORL J Otorhinolaryngol Relat Spec* 1991; 53: 106-110
116. Haraldsson PO, Carenfelt C, Lysdahl M, Tingvall C. Does uvulopalatopharyngoplasty inhibit automobile accidents? *Laryngoscope* 1995; 105: 657-661
117. Verse T, Pirsig W. Laser-assisted uvulopalatoplasty. A metaanalysis. In: Fabiani M, Saponara M (eds.): *Surgery for snoring and obstructive sleep apnea syndrome*. Kugler Publications, Amsterdam, 2003; pp 463-474
118. Carenfelt C. Laser uvulopalatopharyngoplasty in treatment of habitual snoring. *Ann Otol Rhinol Laryngol* 1991; 100: 451-454
119. Kamami YV. Laser CO<sub>2</sub> for snoring: preliminary results. *Acta Otorhinolaryngol Belg* 1990; 44: 451-456
120. Coleman JA. Laser-assisted uvulopalatoplasty: Long-term results with a treatment for snoring. *Ear, Nose & Throat J* 1998; 77: 22-34
121. Ellis PDM. Laser palatoplasty for snoring due to palatal flutter: a further report. *Clin Otolaryngol* 1994; 19: 350-351
122. Albu S, De Min G, Forti A, Babighian G. Nd:YAG laser-assisted uvulopalatoplasty for snoring. *Acta Otolaryngol Belg* 1998; 52: 69-73
123. Wennmo C, Olsson P, Flisberg K, Paulsson B, Luttrup S. Treatment of snoring with and without carbon dioxide laser. *Acta Otolaryngol (Stockh)* 1992; 492 Suppl: 152-155
124. Shehab ZP, Robin PE. Comparison of the effectiveness of uvulopalatopharyngoplasty and laser palatoplasty for snoring. *Clin Otolaryngol* 1997; 22: 158-161
125. Morar P, Nandapalan V, Lesser THJ, Swift AC. Mucosal-strip/uvulectomy by the CO<sub>2</sub> laser as a method of treating simple snoring. *Clin Otolaryngol* 1995; 20: 308-311
126. Hanada T, Furuta S, Tateyama T, Uchizono A, Seki D, Ohyama M. Laser-assisted uvulopalatoplasty with Nd: YAG laser for sleep disorders. *Laryngoscope* 1996; 106: 1531-1533
127. Vukovic L, Hutchings J. Patient evaluation of Laser-assisted uvulopalatoplasty. *J Otolaryngol (Toronto)* 1996; 25: 404-407
128. Walker RP, Grigg-Damberger MM, Gopalsami C, Totten MC. Laser-assisted uvulopalatoplasty for snoring and obstructive sleep apnea: Results in 170 patients. *Laryngoscope* 1995; 105: 938-943
129. Astor FC, Hanft KL, Benson C, Amarnath A. Analysis of short-term outcome after office-based laser-assisted uvulopalatoplasty. *Otolaryngol Head Neck Surg* 1998; 118: 478-480
130. Schlieper J, Brinkmann B, Karmeier A, Pakusa T. Success rate and complications in primary laser-assisted uvulopalatoplasty (LAUP) for patients with rhonchopathy. [in German]. *Mund Kiefer Gesichts Chir* 2002; 6: 146-152
131. Sharp HR, Mitchell DB. Long-term results of laser-assisted uvulopalatoplasty for snoring. *J Laryngol Otol* 2001; 115: 897-900
132. Neruntarat C. Laser-assisted uvulopalatoplasty: short-term and long-term results. *Otolaryngol Head Neck Surg* 2001; 124: 90-93
133. Berger G, Finkelstein Y, Stein G, Ophir D. Laser-assisted uvulopalatoplasty for snoring: medium- to long-term subjective and objective analysis. *Arch Otolaryngol Head Neck Surg* 2001; 127: 412-417
134. Kyrmizakis DE, Chimona TS, Papadakis CE, Bizakis JG, Velegrakis GA, Schiza S, Siafakas NM, Helidonis ES. Laser-assisted uvulopalatoplasty for the treatment of snoring and mild obstructive sleep apnea syndrome. *J Otolaryngol* 2003; 32: 174-179
135. Uppal S, Nadig S, Jones C, Nicolaides AR, Coatesworth AP. A prospective single-blinded randomized-controlled trial comparing two surgical techniques for the treatment of snoring: laser palatoplasty versus uvulectomy with punctate palatal diathermy. *Clin Otolaryngol* 2004; 29: 254-263
136. Troell RJ, Powell NB, Riley RW, Li KK, Guilleminault C. Comparison of postoperative pain between laser-assisted uvulopalatoplasty, uvulopalatopharyngoplasty, and radiofrequency volumetric tissue reduction of the palate. *Otolaryngol Head Neck Surg* 2000; 122: 402-409
137. Blumen MB, Dahan S, Wagner I, De Dieuleveult T, Chabolle F. Radiofrequency versus LAUP for the treatment of snoring. *Otolaryngol Head Neck Surg* 2002; 126: 67-73
138. Rombaux P, Hamoir M, Bertrand B, Aubert G, Liistro G, Rodenstein D. Postoperative pain and side effects after uvulopalatopharyngoplasty, laser-assisted uvulopalatoplasty, and radiofrequency tissue volume reduction in primary snoring. *Laryngoscope* 2003; 113: 2169-2173
139. Verse T, Pirsig W. Meta-analysis of laser-assisted uvulopalatopharyngoplasty. What is clinically relevant up to now? [in German] *Laryngo-Rhino-Otol* 2000; 79: 273-284
140. Utley DS, Shin EJ, Clerk AA, Terris DJ. A cost-effective and rational surgical approach to patients with snoring, upper airway resistance syndrome, or obstructive sleep apnea syndrome. *Laryngoscope* 1997; 107: 726-734
141. Mickelson SA, Ahuja A. Short-term objective and long-term subjective results of laser-assisted uvulopalatoplasty for obstructive sleep apnea. *Laryngoscope* 1999; 109: 362-367
142. Walker RP, Grigg-Damberger MM, Gopalsami C. Laser-assisted uvulopalatopharyngoplasty for the treatment of mild, moderate, and severe obstructive sleep apnea. *Laryngoscope* 1999; 109: 79-85
143. Ryan CF, Love LL. Unpredictable results of laser assisted uvulopalatoplasty in

- the treatment of obstructive sleep apnoea. *Thorax* 2000; 55: 399-404
144. Seemann RP, DiToppa JC, Holm MA, Hanson J. Does laser-assisted uvulopalatoplasty work? An objective analysis using pre- and postoperative polysomnographic studies. *J Otolaryngol* 2001; 30: 212-215
145. Finkelstein Y, Stein G, Ophir D, Berger R, Berger G. Laser-assisted uvulopalatoplasty for the management of obstructive sleep apnea. Myths and facts. *Arch Otolaryngol Head Neck Surg* 2002; 128: 429-434
146. Ferguson KA, Heighway H, Ruby RRF. A randomized trial of laser-assisted uvulopalatoplasty in the treatment of mild obstructive sleep apnea. *Am J Respir Crit Care Med* 2003; 167: 15-19
147. Berger G, Stein G, Ophir D, Finkelstein Y. Is there a better way to do laser-assisted uvulopalatoplasty? *Arch Otolaryngol Head Neck Surg* 2003; 129: 447-453
148. Kern RC, Kutler DI, Reid KJ, Conley DB, Herzon GD, Zee P. Laser-assisted uvulopalatoplasty and tonsillectomy for the management of obstructive sleep apnea syndrome. *Laryngoscope* 2003; 113: 1175-1181
149. Berger G, Finkelstein Y, Ophir D. Histopathologic changes in the soft palate after laser-assisted uvulopalatoplasty. *Arch Otolaryngol Head Neck Surg* 1999; 125: 786-790
150. Littner M, Kushida CA, Hartse K, McDowell Anderson W, Davila D, Johnson SF, Wise MS, Hirshkowitz M, Woodson BT (Standards of Practice Committee, American Academy of Sleep Medicine). Practice parameters for the use of laser-assisted uvulopalatoplasty: an update for 2000. *Sleep* 2001; 24: 603-619
151. Stuck BA, Maurer JT, Hein G, Hörmann K, Verse T. Radiofrequency surgery of the soft palate in the treatment of snoring - a review of the literature. *Sleep* 2004; 27: 551-555
152. Boudewyns A, Van De Heyning P. Temperature-controlled radiofrequency tissue volumetric reduction of the soft palate (SomnoplastY) in the treatment of habitual snoring: Results of a European multicenter trial. *Acta Otolaryngol* 2000;120:981-985
153. Cartwright R, Venkatesan TK, Caldarelli D, Diaz F. Treatments for snoring: A comparison of SomnoplastY and an oral appliance. *Laryngoscope* 2000;110:1680-1683
154. Coleman SC, Smith TL. Midline radiofrequency tissue reduction of the palate for bothersome snoring and sleep disordered breathing: A clinical trial. *Otolaryngol Head Neck Surg* 2000;122:387-394
155. Emery BE, Flexon PB. Radiofrequency volumetric tissue reduction of the soft palate: A new treatment for snoring. *Laryngoscope* 2000;110:1092-1098
156. Fischer Y, Hafner B, Mann WJ. Radiofrequency ablation of the soft palate (somnoplastY). A new method in the treatment of habitual and obstructive snoring [in German]. *HNO* 2000;48:33-40
157. Hukins CA, Mitchell IC, Hillman DR. Radiofrequency tissue volume reduction of the soft palate in simple snoring. *Arch Otolaryngol Head Neck Surg* 2000;126:602-606
158. Li KK, Powell NB, Riley RW, Troell RJ, Guilleminault C. Radiofrequency volumetric tissue reduction of the palate: An extended follow-up study. *Otolaryngol Head Neck Surg* 2000;122:410-414
159. Taliaferro C. Submucosal radiosurgical uvulopalatoplasty for the treatment of snoring: is the monitoring of tissue impedance and temperature necessary? *Otolaryngol Head Neck Surg*. 2000;124:46-50
160. Back L, Palomaki M, Piilonen A, Ylikoski J. Sleep-disordered breathing: Radiofrequency thermal ablation is a promising new treatment possibility. *Laryngoscope* 2001; 111:464-471
161. Ferguson M, Smith TL, Zanation AM, Yarbrough WG. Radiofrequency tissue volume reduction. Multilection vs single-lesion treatments for snoring. *Arch Otolaryngol Head Neck Surg* 2001;127:312-318
162. Sher AE, Flexon PB, Hillman D, Emery B, Swieca J, Smith TL, Cartwright R, Dierks E, Nelson L. Temperature-controlled radiofrequency tissue volume reduction in the human soft palate. *Otolaryngol Head Neck Surg* 2001;125:312-318
163. Back LJ, Tervahartiala PO, Piilonen AK, Partinen MM, Ylikoski JS. Bipolar radiofrequency thermal ablation of the soft palate in habitual snorers without significant desaturations assessed by magnetic resonance imaging. *Am J Respir Crit Care Med* 2002;166:865-871
164. Haraldsson PO, Karlung J, Lysdahl M, Svanborg E. Voice quality after radiofrequency volumetric tissue reduction of the soft palate in habitual snorers. *Laryngoscope* 2002;112:1260-1263
165. Johnson JT, Pollack GL, Wagner RL. Transoral radiofrequency treatment of snoring. *Otolaryngol Head Neck Surg* 2002;127:235-237
166. Terris DJ, Coker JF, Thomas AJ, Chavoya M. Preliminary findings from a prospective, randomized trial of two palatal operations for sleep-disordered breathing. *Otolaryngol Head Neck Surg* 2002;127:315-323
167. Trotter MI, D'Souza AR, Morgan DW. Medium-term outcome of palatal surgery for snoring using the SomnusTM unit. *J Laryngol Otol* 2002;116:116-118
168. Tatla T, Sandhu G, Croft CB, Koteka B. Celon radiofrequency thermo-ablative palatoplasty for snoring - a pilot study. *J Laryngol Otol* 2003; 117: 801-806
169. Said B, Strome M. Long-term results of radiofrequency volumetric tissue reduction of the palate for snoring. *Ann Otol Laryngol* 2003; 112: 276-279
170. Fang TJ, Li HY, Shue CW, Lee LA, Wang PC. Efficacy of radiofrequency volumet-

- ric tissue reduction of the soft palate in the treatment of snoring. *Int J Clin Pract* 2003; 57: 769-772
171. Blumen MB, Dahan S, Fleury B, Haussner-Hauw C, Chabolle F. Radiofrequency ablation for the treatment of mild to moderate obstructive sleep apnea. *Laryngoscope* 2002; 112: 2086-2092
172. Brown DJ, Kerr P, Kryger M. Radiofrequency tissue reduction of the soft palate in patients with moderate sleep-disordered breathing. *J Otolaryngol* 2001; 30: 193-198
173. Powell NB, Riley R, Guilleminault C, Troell R. A reversible uvulopalatal flap for snoring and sleep apnea syndrome. *Sleep* 1996; 593-599
174. Hörmann K, Erhard T, Hirth K, Maurer JT. Modified uvulopalatal flap technique for the treatment of sleep related disorders [in German]. *HNO* 2001; 49: 361-366
175. Neruntarat C. Uvulopalatal flap for snoring on an outpatient basis. *Otolaryngol Head Neck Surg* 2003; 129: 353-359
176. Li HY, Chen NH, Shu YH, Wang PC. Changes in quality of life and respiratory disturbance after extended uvulopalatal flap surgery in patients with obstructive sleep apnea. *Arch Otolaryngol Head Neck Surg* 2004; 130: 195-200
177. Maurer JT, Verse T, Stuck BA, Hörmann K, Hein G. Palatal implants for primary snoring: Short-term results of a new minimally invasive surgical technique. *Otolaryngol Head Neck Surg* 2004; 131: in press
178. Maurer JT, Hein G, Verse T, Stuck BA, Hörmann K: Anti-Snoring-Device®: short-term results of a new minimally invasive surgical technique. Abstract. *Otolaryngol Head Neck Surg* 2003; 129: P 201
179. Ellis PDM, Williams JE, Shneerson JM. Surgical relief of snoring due to palatal flutter: a preliminary report. *Ann R Coll Surg Engl* 1993; 75: 286-290
180. Mair EA, Day RH. Cautery-assisted palatal stiffening operation. *Otolaryngol Head Neck Surg* 2000; 122: 547-555
181. Wassmuth Z, Mair E, Loube D, Leonhard D. Cautery-assisted palatal stiffening operation for the treatment of obstructive sleep apnea syndrome. *Otolaryngol Head Neck Surg* 2000; 122: 547-555
182. Brietzke SE, Mair EA. Injection snoroplasty: How to treat snoring without all the pain and expense. *Otolaryngol Head Neck Surg* 2001; 124: 503-510
183. Brietzke SE, Mair EA. Injection snoroplasty: Investigation of alternative sclerotherapy agents. *Otolaryngol Head Neck Surg* 2004; 130: 47-50
184. Brietzke SE, Mair EA. Extended follow-up and new objective data. *Otolaryngol Head Neck Surg* 2003; 128: 605-615
185. Wright S, Haight J, Zamel N, Hoffstein V. Changes in pharyngeal properties after uvulopalatopharyngoplasty. *Laryngoscope* 1989; 99: 62-65
186. Woodson BT, Toohill RJ. Transpalatal advancement pharyngoplasty for obstructive sleep apnea. *Laryngoscope* 1993; 103: 269-276
187. Woodson BT. Retropalatal airway characteristics in uvulopalatopharyngoplasty compared with transpalatal advancement pharyngoplasty. *Laryngoscope* 1997; 107: 735-740
188. Powell NB, Riley RW, Troell RJ, Blumen MB, Guilleminault C. Radiofrequency volumetric reduction of the tongue: a porcine pilot study for the treatment of obstructive sleep apnea syndrome. *Chest* 1997; 111: 1348-1355
189. Stuck BA, Maurer JT, Hormann K. Tongue base reduction with radiofrequency energy in sleep apnea [in German]. *HNO* 2001; 49: 530-537
190. Stuck BA, Maurer JT, Verse T, Hörmann K. Tongue base reduction with temperature-controlled radiofrequency volumetric tissue reduction for treatment of obstructive sleep apnea syndrome. *Acta Otolaryngol* 2002; 122: 531-536
191. Woodson BT, Nelson L, Mickelson S, Huntley T, Sher A. A multi-institutional study of radiofrequency volumetric tissue reduction for OSAS. *Otolaryngol Head Neck Surg* 2001; 125: 303-311
192. Li KK, Powell NB, Riley RW, Guilleminault C. Temperature-controlled radiofrequency tongue base reduction for sleep-disordered breathing: Long-term outcomes. *Otolaryngol Head Neck Surg* 2002; 127: 230-234
193. Riley RW, Powell NB, Li KK, Weaver EM, Guilleminault C. An adjunctive method of radiofrequency volumetric tissue reduction of the tongue for OSAS. *Oto-*
- laryngol Head Neck Surg 2003; 129: 37-42
194. Mendelson WB. Use of sleep laboratory in suspected sleep apnea syndrome: Is one night enough? *Cleve Clin J Med* 1994; 61: 299-303
195. Meyer TJ, Eveloff SE, Kline LR, Millman RP. One negative polysomnogram does not exclude obstructive sleep apnea. *Chest* 1993; 103: 756-760
196. Patton TJ, Thawley SE, Water RC, Vandermeer PJ, Ogura JH. Expansion hyoidplasty: a potential surgical procedure designed for selected patients with obstructive sleep apnea syndrome. Experimental canine results. *Laryngoscope* 1983; 93: 1387-1396
197. Kaya N. Sectioning the hyoid bone as a therapeutic approach for obstructive sleep apnea. *Sleep* 1984; 7: 77-78
198. Riley RW, Powell NB, Guilleminault C. Obstructive sleep apnea and the hyoid: a revised surgical procedure. *Otolaryngol Head Neck Surg* 1994; 111: 717-721
199. Hörmann K, Hirth K, Erhardt T, Maurer JT, Verse T. Modified hyoid suspension for therapy of sleep related breathing disorders. operative technique and complications [in German]. *LaryngorhinoOtol* 2001; 80: 517-521
200. Neruntarat C. Hyoid myotomy with suspension under local anesthesia for obstructive sleep apnea syndrome. *Eur Arch Otorhinolaryngol* 2003; 260: 286-290
201. Verse T, Baisch A, Hörmann K. Multi-level surgery for obstructive sleep ap-

- nea. Preliminary objective results [in German]. *Laryngo-Rhino-Otol* 2004; 83: 516-522
202. Djupesland G, Schrader H, Lyberg T, Refsum H, Lilleas F, Godtliesen OB. Palatopharyngoglossoplasty in the treatment of patients with obstructive sleep apnea syndrome. *Acta Otolaryngol* 1992; Suppl 492: 50-54
203. Fujita S, Woodson BT, Clark JL, Wittig R. Laser midline glossectomy as a treatment for the obstructive sleep apnea. *Laryngoscope* 1991; 101: 805-809
204. Woodson BT, Fujita S. Clinical experience with lingualplasty as part of the treatment of severe obstructive sleep apnea. *Otolaryngol Head Neck Surg* 1992; 107: 40-48
205. Mickelson SA, Rosenthal L. Midline glossectomy and epiglottidectomy for obstructive sleep apnea syndrome. *Laryngoscope* 1997; 107: 614-619
206. Chabolle F, Wagner I, Blumen M, Séquert C, Fleury B, de Dieuleveult T. Tongue base reduction with hyoepiglottoplasty: a treatment for severe obstructive sleep apnea. *Laryngoscope* 1999; 109: 1273-1280
207. Faye-Lund H, Djupesland G, Lyberg T. Glossopexia - Evaluation of a new surgical method for treating obstructive sleep apnea syndrome. *Acta Otolaryngol* 1992; Suppl 492: 46-49
208. DeRowe A, Günther E, Fibbi A, Lehtimaki K, Vahatalo K, Maurer J, Ophir D. Tongue-base suspension with a soft tissue-to-bone anchor for obstructive sleep apnea: preliminary clinical results of a new minimally invasive technique. *Otolaryngol Head Neck Surg* 2000; 122: 100-103
209. Woodson BT, deRowe A, Hawke M, Wenig B, Ross EB, Katsantonis GP, Mickelson SA, Bonham RE, Benbadis S. Pharyngeal suspension suture with Repose bone screw for obstructive sleep apnea. *Otolaryngol Head Neck Surg* 2000; 122: 395-401
210. Woodson BT. A tongue suspension suture for obstructive sleep apnea and snorers. *Otolaryngol Head Neck Surg* 2001; 124: 297-303
211. Sorrenti G, Piccin O, Latini G, Scaramuzzino G, Mondini S, Rinaldi Ceroni A. Tongue suspension technique in obstructive sleep apnea: personal experience [in Italian]. *Acta Otorhinolaryngol Ital* 2003; 23: 274-280
212. Riley RW, Powell NB, Guilleminault C. Inferior sagittal osteotomy of the mandible with hyoid myotomy-suspension: a new procedure for obstructive sleep apnea. *Otolaryngol Head Neck Surg* 1986; 94: 589-593
213. Riley RW, Powell NB, Guilleminault C. Inferior mandibular osteotomy and hyoid myotomy suspension for obstructive sleep apnea: a review of 55 patients. *J Oral Maxillofac Surg* 1989; 47: 159-164
214. Fibbi A, Ameli F, Brocchetti F, Peirano M, Garaventa G, Presta A, Baricalla F. Combined genioglossus advancement (ACMG): inferior sagittal mandibular osteotomy with genioglossus advancement and stabilization with suture in patients with OSAS. Preliminary clinical results [in Italian]. *Acta Otorhinolaryngol Ital* 2002; 22: 153-157
215. Kuo PC, West RA, Bloomquist DS, McNeil RW. The effect of mandibular osteotomy in three patients with hypersomnia sleep apnea. *Oral Surg Oral Med Oral Path* 1979; 48: 385-392
216. Prinsell JR. Maxillomandibular advancement (MMA) in a site-specific treatment approach for obstructive sleep apnea: a surgical algorithm. *Sleep Breath* 2000; 4: 147-154
217. Waite PD, Wooten V, Lachner JH, Guyette RF. Maxillomandibular advancement surgery in 23 patients with obstructive sleep apnea syndrome. *J Oral Maxillofac Surg* 1989; 47: 1256-1261
218. Riley RW, Powell NB, Guilleminault C. Maxillofacial surgery and nasal CPAP. A comparison of treatment for obstructive sleep apnea syndrome. *Chest* 1990; 98: 1421-1425
219. Hochban W, Conradt R, Brandenburg U, Heitmann J, Peter JH. Surgical maxillofacial treatment of obstructive sleep apnea. *Plast Reconstr Surg* 1997; 99: 619-626
220. Prinsell JR. Maxillomandibular advancement surgery in a site-specific treatment approach for obstructive sleep apnea in 50 consecutive patients. *Chest* 1999; 116: 1519-1529
221. Li KK, Riley RW, Powell NB, Guilleminault C. Maxillomandibular advancement for persistent obstructive sleep apnea after phase I surgery in patients without maxillomandibular deficiency. *Laryngoscope* 2000; 110: 1684-1688
222. Bettega G, Pepin JL, Veale D, Deschaux C, Raphael B, Levy P. Obstructive sleep apnea syndrome. Fifty-one consecutive patients treated by maxillofacial surgery. *Am J Respir Crit Care Med* 2000; 162: 641-649
223. Goh YH, Lim KA. Modified maxillomandibular advancement for the treatment of obstructive sleep apnea: a preliminary report. *Laryngoscope* 2003; 113: 1577-1582
224. Dattilo DJ, Drooger SA. Outcome assessment of patients undergoing maxillofacial procedures for the treatment of sleep apnea: comparison of subjective and objective results. *J Oral Maxillofac Surg* 2004; 62: 164-168
225. Conradt R, Hochban W, Heitmann J, Brandenburg U, Cassel W, Penzel T, Peter JH. Sleep fragmentation and daytime vigilance in patients with OSA treated by surgical maxillomandibular advancement compared to CPAP therapy. *J Sleep Res* 1998; 7: 217-223
226. Li KK, Powell NB, Riley RW, Troell RJ, Guilleminault C. Long-term results of maxillomandibular advancement surgery. *Sleep Breath* 2000; 4: 137-139
227. McCarthy JG, Schreiber J, Karp N, Thorne CH, Grayson BH. Lengthening the human mandible by gradual distraction. *Plast Reconstr Surg* 1992; 89: 1-10
228. Bell RB, Turvey TA. Skeletal advancement for the treatment of obstructive

- sleep apnea in children. Cleft Palate Craniofac J 2001; 38: 147-154
229. Riley RW, Powell NB, Guilleminault C. Obstructive sleep apnea syndrome: A review of 306 consecutively treated surgical patients. Otolaryngol Head Neck Surg 1993; 108: 117-125
230. Burstein FD, Cohen SR, Scott PH, Teague GR, Montgomery GL, Kattos AV. Surgical therapy for severe refractory sleep apnea in infants and children: application of the airway zone concept. Plast Reconstr Surg 1995; 96: 34-41
231. Cohen SR, Lefavre JF, Burstein FD, Simms C, Kattos AV, Scott PH, Montgomery GL, Graham LR. Surgical treatment of obstructive sleep apnea in neurologically compromised patients. Plast Reconstr Surg 1997; 99: 638-646
232. Cohen SR, Simms C, Burstein FD, Thomsen J. Alternatives to tracheostomy in infants and children with obstructive sleep apnea. J Pediatr Surg 1999; 34: 182-187
233. Stuck BA, Starzak K, Verse T, Hörmann K, Maurer JT. Combined radiofrequency volumetric tissue reduction of tongue base and soft palate – morbidity and complications [in German]. Somnologie 2002; 6: 19-25
234. Woodson BT, Steward DL, Weaver EM, Javaheri S. A randomized trial of temperature-controlled radiofrequency, continuous positive airway pressure, and placebo for obstructive sleep apnea syndrome. Otolaryngol Head Neck Surg 2003; 128: 848-861
235. Johnson NT, Chinn J. Uvulopalatopharyngoplasty and inferior sagittal mandibular osteotomy with genioglossus advancement for treatment of obstructive sleep apnea. Chest 1994; 105: 278-283
236. Ramirez SG, Loube DI. Inferior sagittal osteotomy with hyoid bone suspension for obese patients with sleep apnea. Arch Otolaryngol Head Neck Surg 1996; 122: 953-957
237. Elasfour A, Miyazaki S, Itasaka Y, Yamakawa K, Ishikawa K, Togawa K. Evaluation of uvulopalatopharyngoplasty in treatment of obstructive sleep apnea syndrome. Acta Otolaryngol 1998; Suppl 537: 52-56
238. Lee NR, Givens CD, Wilson J, Robins RB. Staged surgical treatment of obstructive sleep apnea syndrome: a review of 35 patients. J Oral Maxillofac Surg 1999; 57: 382-385
239. Hsu PP, Brett RH. Multiple level pharyngeal surgery for obstructive sleep apnoea. Singapore Med J 2001; 42: 160-164
240. Hender BH, Costello BJ, Silverstein K, Yen D, Goldberg A. A protocol for uvulopalatoplasty, mortised genioplasty, and maxillomandibular advancement in patients with obstructive sleep apnea: an analysis of 40 cases. J Oral Maxillofac Surg 2001; 59: 892-897
241. Nelson LM. Combined temperature-controlled radiofrequency tongue re-duction and UPPP in apnea surgery. Ear Nose Throat J 2001; 640-644
242. Vilaseca I, Morello A, Montserrat JM, Santamaria J, Iranzo A. Usefulness of uvulopalatopharyngoplasty with genioglossus and hyoid advancement in the treatment of obstructive sleep apnea. Arch Otolaryngol Head Neck Surg 2002; 128: 435-440
243. Neruntarat C. Genioglossus advancement and hyoid myotomy: short-term and long-term results. J Laryngol Otol 2003; 117: 482-486
244. Friedman M, Ibrahim H, Lee G, Joseph NJ. Combined uvulopalatopharyngoplasty and radiofrequency tongue base reduction for treatment of obstructive sleep apnea/hypopnea syndrome. Otolaryngol Head Neck Surg 2003; 129: 611-621
245. Miller FR, Watson D, Boseley M. The role of genial bone advancement trephine system in conjunction with uvulopalatopharyngoplasty in the multi-level management of obstructive sleep apnea. Otolaryngol Head Neck Surg 2004; 130: 73-79
246. Verse T, Baisch A, Maurer JT, Stuck BA, Hörmann K. Multi-level surgery for obstructive sleep apnea. Otolaryngol Head Neck Surg; manuscript submitted