

5. Literatur

1. Abke J. Verbesserung der Biokompatibilität metallischer Implantate durch kovalente Anbindung einer quervernetzten Kollagenschicht. Dissertation Institut für Chemie und Pharmazie der Universität Regensburg. 2003
2. Adour K, Swanson P. Facial paralysis in 403 consecutive patients: emphasis on treatment response in patients with Bell's palsy. *Trans Am Acad Ophthalmol Otolaryngol* 1971; 75(6):1284-1301
3. Anderl, H. Cross face nerve transplantation. *Clin Plast Surg* 1979; 6: 433
4. Andersen J. Surgical correction of lagophthalmos, complicated by paralytic ectropion. *Br J Plast Surg* 1976; 29:234-237
5. Angelov D, Neiss W, Streppel M, Andermahr J, Mader K, Stennert E. Nimodipine accelerates axonal sprouting after surgical repair of rat facial nerve. *J Neurosci* 1996; 16(3):1041-1048
6. Applebaum E, Valvassori G. Further studies on the effects of magnetic resonance imaging fields on middle ear implants. *Ann Otol Rhinol Laryngol* 1990; 99(10 Pt 1):801-804
7. Arepalli S, Bezabeh S, Brown S. Allergic reaction to platinum in silicone breast implants. *J Long Term Eff Med Implants* 2002; 12(4):299-306
8. Arion H. Dynamic closure of the lids in paralysis of the orbicularis muscle. *Int Surg* 1972; 57:48-50
9. Atlas M, Lowinger D. A new technique for hypoglossal-facial nerve repair. *Laryngoscope* 1997; 107(7):984-991
10. Augustin A. *Augenheilkunde*. Springer, Berlin, 2001; 171-172
11. Bair R, Harris G, Lyon D, Komorowski R. Noninfectious inflammatory response to gold weight eyelid implants. *Ophthalmic Plast Reconstr Surg* 1995; 11:209-214
12. Ballance C, Duel A. The operative treatment of facial palsy by introducing of nerve grafts into the fallopian canal and by other intratemporal methods. *Arch Otolaryngol* 1932; 15:1-8
13. Banuelos A. Combined operation for facial palsy. *Arch Ophthalmol* 1973; 89:329-331
14. Bar S, Hammer U, Struck H, Stein A, Holzhausen H, Duncker G. Foreign body granuloma after lower eyelid avulsion and surgical revision with silicone tube splint. *Klin Monatsbl Augenheilkd* 2000; 216(4):232-234
15. Barr D. Facial nerve trauma: optimal timing for repair. *Laryngoscope* 1991; 101:835-848
16. Becker, W., Brünnner, H. Über die makroskopische Struktur der Ohrspeicheldrüse. *Z Laryng Rhinol* 1958; 37: 397

17. Bennett J. The management of total xerophthalmia. *Arch Ophthalmol* 1969; 81:667-682
18. Berghaus A, Neumann K, Schrom T. The platinum chain: a new upper-lid implant for facial palsy. *Arch Facial Plast Surg* 2003; 5(2):166-170
19. Beyer T, Sinha S. Eyelid pain after magnetic resonance imaging-induced palpebral spring vibration. *Arch Ophthalmol* 1991; 109:1503
20. Botman J, Jongkees L. The results of intratemporal treatment of facial palsy. *Pract Otorhinolaryngol* 1955; 17:80-100
21. Broniatowski M, Ilyes L, Jacobs G, Rosenthal D, Maniglia A, Tucker H, Nose Y. Dynamic rehabilitation of the paralyzed face: I. Electronic control of reinnervated muscles from intact facial musculature in the rabbit. *Otolaryngol Head Neck Surg* 1987; 97(5):441-445
22. Broniatowski M, Ilyes L, Jacobs G, Nose Y, Tucker H. Dynamic rehabilitation of the paralyzed face: II. Electronic control of the reinnervated facial musculature from the contralateral side in the rabbit. *Otolaryngol Head Neck Surg* 1989; 101(3):309-313
23. Broniatowski M, Grundfest-Broniatowski S, Davies C, Jacobs G, Tucker H, Nose Y. Dynamic rehabilitation of the paralyzed face: III: Balanced coupling of oral and ocular musculature from the intact side in the canine. *Otolaryngol Head Neck Surg* 1991; 105(5):727-733
24. Brunner F. Implant materials-what is applicable where and when? *Eur Arch Otorhinolaryngol Suppl* 1993; 1:311-336
25. Buchli R, Boesiger P, Meier D. Heating effects of metallic implants by MRI examinations. *Magn Reson Med* 1988; 7(3):255-261
26. Bunnell S. Suture of facial nerve within the temporal bone, with report of first successful case. *Surg Gynecol Obstet* 1927; 45:7-14
27. Burres S. Objective grading of facial paralysis. *Ann Otol Rhinol Laryngol* 1986; 95:238-241
28. Burres S, Fisch U. The comparison of facial grading systems. *Arch Otolaryngol Head Neck Surg* 1986; 112(7):755-758
29. Cartanares M. Forehead wrinkles, glabellar frown and ptosis of the eyebrows. *Plast Reconstr Surg* 1964; 34(4):406
30. Castro E, Foster J. Upper lid blepharoplasty. *Facial Plast Surg* 1999; 15(3):173-181
31. Chilla, R. Types of facial nerve branching in the parotid plexus and their clinical significance. *Clin Plast Surg* 1979; 6:451
32. Choi D, Dunn L. Facial Nerve Repair and Regeneration: An Overview of Basic Principles for Neurosurgeons. *Acta Neurochirurgica* 2001; 14301:107-114
33. Cies W. Modified gold weights for reanimation of the upper lid in facial nerve paralysis.

- Ophthalmic Plast Reconstr Surg 1993; 9(3):214-217
34. Conley J, Baker D. Hypoglossal-facial nerve anastomosis for reinnervation of the paralyzed face. *Plast Reconstr Surg*. 1979; 63(1):63-72
 35. Davis P, Crooks L, Arakawa M, McRee R, Kaufman L, Margulis A. Potential hazards in NMR imaging: heating effects of changing magnetic fields and RF fields on small metallic implants. *AJR Am J Roentgenol* 1981; 137(4):857-860
 36. Dost P. Biomaterialien in der rekonstruktiven Mittelohrchirurgie. *Laryngo Rhino Otol* 2000; 79 (suppl):S53-S72
 37. Dort J, Wolfensberger M, Felix H. CO2 laser repair of the facial nerve: an experimental study in the rat. *J Laryngol Otol* 1994; 108(6):466-469
 38. Draf W. Surgical rehabilitation of facial nerve. *Acta Neurochir (Wien)* 1988; 92:67-75
 39. Draf W. Kopf- und Halschirurgie in 3 Bänden. Band 1: Gesicht, Nase und Gesichtsschädel Teil II. in Naumann, H Georg-Thieme Verlag Stuttgart, New York 1995
 40. Fallopius G. Opera omnia Francofurti. Wecheli A 1600; 1-16
 41. Fedok F, Ferraro R. Restoration of lower eyelid support in facial paralysis. *Facial Plast Surg* 2000; 16(4):337-343
 42. Foster J, Perry J, Cahill K, Holck D, Kugler L. Processed human pericardium barrier for gold weight implantation. *Ophthal Plast Reconstr Surg* 2004; 20(2):107-109
 43. Freemann J. The punctum plug: evaluation of a new treatment for the dry eye. *Trans Am Acad Ophthalmol Otolaryngol* 1975; 79(6):OP874-OP878
 44. Frey M; Jenny A; Giovanoli P; Stussi E. Development of a new documentation system for facial movements as a basis for the international registry for neuromuscular reconstruction in the face. *Plast Reconstr Surg* 1994; 93(7):1334-1349
 45. Galla T, Vedecnik S, Halbgewachs J, Steinmann S, Friedrich C, Stark G. Fibrin/Schwann cell matrix in poly-epsilon-caprolactone conduits enhances guided nerve regeneration. *Int J Artif Organs* 2004; 27(2):127-136
 46. Garaventa G, Satragno L, Vellucci F, Pagano M, Pallestrini E. The interactions between metal stapes prostheses and high-intensity magnetic fields during magnetic resonance tomography. *Acta Otorhinolaryngol Ital* 1991; 11(5):455-463
 47. Gavron J, Clemis J. Hypoglossal-facial nerve anastomosis: a review of forty cases caused by facial nerve injuries in the posterior fossa. *Laryngoscope* 1984; 94:1447-1450
 48. Geerling G, Sieg P, Meyer C, Bastian G, Laqua H. Transplantation of autologous submandibular glands in very severe keratoconjunctivitis sicca. 2 year outcome. *Ophthalmologie* 1998; 95(4):257-265

49. Gilad V, Tetzlaff W, Rabey J, Gilad G. Accelerated recovery following polyamines and aminoguanidine treatment after facial nerve injury in rats. *Brain Res* 1996; 724(1):141-144
50. Gilbard S, Daspit C. Reanimation of the paretic eyelid using gold weight implantation. *Ophthalmic Plast Reconstr Surg* 1991; 7(2):93-103
51. Gilchrist T, Glasby M, Healy D, Kelly G, Lenihan D, McDowall K, Miller I, Myles L. In vitro nerve repair - in vivo. The reconstruction of peripheral nerves by entubulation with biodegradable glass tubes - a preliminary report. *Br J Plast Surg* 1998; 51(3):231-237
52. Gillies H. Experiences with fascia lata grafts in the operative treatment of facial paralysis. *Proc Roy Soc Med* 1934; 2:1372-1384
53. Gladstone G, Nesi F. Management of paralytic lagophthalmos with a modified gold-weight implantation technique. *Ophthal Plast Reconstr Surg* 1996; 12(1):38-44
54. Goodnight J, Dulguerov P, Berke G, Lesavoy M, Hoffman L. Correlation of compound action potential and electromyography with facial muscle tension. *Otolaryngol Head Neck Surg* 1995; 112(2):279-290
55. Gousheh J, Hosseinnian M, Saadatian Fard E. Reconstruction of chronic facial paralysis by free gracilis muscle transfer. Apropos of 59 cases. *Ann Chir Plast Esthet* 1995; 40(2):121-129
56. Graziosi A. Browlifting with thread: the technique without undermining using minimum incisions. *Aesthet Plast Surg* 1998; 22:120-125
57. Grisius M, Hof R. Treatment of lagophthalmos of the eye with a custom prosthesis. *J Prosthet Dent* 1993; 70:333-335
58. Guntinas-Lichius O, Sittel C. Diagnostik von Erkrankungen und der Funktion des N. facialis. *HNO* 2004; 52(12):1115-1132
59. Gupta A; Jain S. Temporalis muscle sling revisited: a technique to restore ocular sphincter function. *Ann Plast Surg* 1994; 33(5):496-499
60. Gusek-Schneider G, Erbguth F. Protective ptosis by botulinum A toxin injection in corneal affectations. *Klin Monatsbl Augenheilkd* 1998; 213(1):15-22
61. Hamiel S, Tubach M, Bleicher J, Cronan J. Evaluation of the Hall-effect sensor for determination of eyelid closure in vivo. *Otolaryngol Head Neck Surg* 1995; 113(1):88-91
62. Hammerschlag P. Facial reanimation with jump interpositional graft hypoglossal facial anastomosis and hypoglossal facial anastomosis: evolution in management of facial paralysis. *Laryngoscope* 1999; 109(2 Pt 2 Suppl 90):1-23
63. Harrison W, Shambough G, Kaplan J, Derlacki E. Prosthetics in the middle ear. *Arch Otolaryngol* 1959; 69:661-666

64. Hedin A. Eyelid surgery in dysthyroid ophthalmopathy. *Eye* 1988; 2:201–206
65. Hermanson M, Olsson T, Westermark B, Funa K. PDGF and its receptors following facial nerve axotomy in rats: expression in neurons and surrounding glia. *Exp Brain Res* 1995; 102(3):415-422
66. Heumann H, Steinbach E, Seuffer E. Über die Anwendbarkeit von Paukenröhrchen aus Edelmetall. *Laryngo Rhino Otol* 1982; 61:17-19
67. Himi T, Igarashi M, Kataura A. Temporal bone histopathology over 15 years post-stapedectomy. *Acta Otolaryngol Suppl* 1988; 447:126-134
68. Holland N, Weiner G. Recent developments in Bell's palsy. *BMJ* 2004; 329(7465):553-537
69. Hontanilla B. Weight measurement of upper eyelid gold implants for lagophthalmos in facial paralysis. *Plast Reconstr Surg* 2001; 108:1539-1543
70. House J. Facial nerve graging systems. *Laryngoscope* 1983; 93:1053-1069
71. House J, Brackmann D. Facial nerve graging system. *Otolaryngol Head Neck Surg* 1985; 93:146-147
72. Hüttenbrink K, Grosse-Nobis W. Experimental studies and theoretical considerations on the behavior of stapes metal prostheses in the magnetic field of a nuclear magnetic resonance tomograph. *Laryngol Rhinol Otol* 1987; 66(3):127-130
73. Hüttenbrink K. Displacement of a Schuknecht prosthesis in cranial MRI. *HNO* 1997; 45(5):401
74. Illig K. Eine neue Operationsmethode gegen Lagophthalmus. *Klin Monatsbl Augenheilkd* 1958; 32:410–411
75. Isono M; Murata K; Tanaka H; Minoyama M; Azuma H. Computerized analysis of facial motions--objective evaluation of facial palsy. *Nippon Jibiinkoka Gakkai Kaiho* 1994; 97(3):393-400
76. Jacob J, Pendleton K, Broussard E, Crisp A, DiLoreto D. Porous alloplastic material encasement of gold weights for the treatment of paralytic lagophthalmos. *Ophthal Plast Reconstr Surg* 1999; 15(6):401-406
77. Jahnke K, Dost P, Schrader M. Biocompatibility studies of implants for reconstructive middle ear surgery. In: Portmann M (Hrsg.). *Transplants and Implants III*. Amsterdam: Kugler 1996: 41-46
78. Jansen C. Homo- and heterogenous grafts in reconstruction of the sound conduction system. *Acta Oto-Rhino-Laryngol Belg* 1970; 24:60-65
79. Jiang H, Guo E, Ji Z, Zhang M, Lu V. One-stage microneurovascular free abductor hallucis muscle transplantation for reanimation of facial paralysis. *Plast Reconstr Surg* 1995;

- 96(1):78-85
80. Jones K, Kinderman N, Oblinger M. Alterations in glial fibrillary acidic protein mRNA levels in the hamster facial motor nucleus: effects of axotomy and testosterone. *Neurochem Res* 1997; 22(11):1359-1366
 81. Johnson P, Brown H, Kuzon W, Balliet R, Garrison J, Campbell J. Simultaneous quantitation of facial movements: the maximal static response assay of facial nerve function. *Ann Plast Surg* 1994; 32(2):171-179
 82. Jungehulsing M, Guntinas-Lichius O, Stennert E. Rehabilitation in chronic facial paralysis. *HNO*. 2001; 49(5):418-426
 83. Kao C, Moe K. Retrograde weight implantation for correction of lagophthalmos. *Laryngoscope* 2004; 114(9):1570-1575
 84. Kartush J, Linstrom C, Mc Cann P, Graham M. Early gold weight eyelid implantation for facial paralysis. *Otolaryngol Head Neck Surg* 1990; 103:1016-1023
 85. Keen M, Burgoyne J, Kay S. Surgical management of the paralyzed eyelid. *Ear Nose Throat J* 1993; 72(10):692, 659-701
 86. Kelly S, Sharpe D. Gold eyelid weights in patients with facial palsy: a patient review. *Plast Reconstr Surg* 1992; 89:436-440
 87. Kimura H, Kawatani M, Ito E, Ishikawa K. Effects of pituitary adenylate cyclase-activating polypeptide on facial nerve recovery in the Guinea pig. *Laryngoscope* 2003; 113(6):1000-1006
 88. Körte W. Ein Fall von Nervenpfropfung des N. facialis auf den N. hypoglossus. *Dtsch med Wschr* 1903; 29:293-295
 89. Korn E. Tarsorrhaphy: a laser-assisted approach. *Ann Ophthalmol* 1990; 22(4):154-157
 90. Kress B, Griesbeck F, Stippich C, Bahren W, Sartor K. Bell palsy: quantitative analysis of MR imaging data as a method of predicting outcome. *Radiology* 2004; 230:504-509
 91. Kunihiro T, Kanzaki J, Yoshihara S, Satoh Y, Satoh A. Hypoglossal-facial nerve anastomosis after acoustic neuroma resection: influence of the time of anastomosis on recovery of facial movement. *ORL* 1996; 58:32-35
 92. Kuntheseth S. Reanimation of the lagophthalmos using stainless steel weight implantation; a new approach and prospective evaluation. *Int J Lepr Other Mycobact Dis* 1999; 67(2):129-132
 93. Kwok P, Waldeck A, Strutz J. How do metallic middle ear implants behave in the MRI. *Laryngorhinootologie* 2003; 82(1):13-18
 94. Laskawi R. Die therapeutische Anwendung von Botulinum-Toxin im Hals-Nasen-Ohren-

- Bereich. HNO 1998; 46:281-287
95. Lehner R. Implantatmaterialien für Mittelohr und Mastoid. HNO 1997; 10:745-748
 96. Leonhardt H. Histologie, Zytologie und Mikroanatomie des Menschen. 8, überarb. u. erw. Aufl., Stuttgart, Thieme, 1990; 339-340
 97. Levine R, House W, Hitzelberger W. Ocular complications of seventh nerve paralysis and management with the palpebral spring. Am J Ophthalmol 1972; 73:219-228
 98. Levine R. Eyelid reanimation surgery. Chapter 38 in May: The facial nerve. Thieme Verlag New York 1986
 99. Levine R. Reanimation of paralyzed eyelids. Facial Plast Surg 1992; 8 (2): 121-126
 100. Levine R, Shapiro J. Reanimation of the paralyzed eyelid with the enhanced palpebral spring or the gold weight: modern replacements for tarsorrhaphy. Facial Plast Surg 2000; 16(4):325-336
 101. Lewis J. A method of direct eyebrow lift. Annals Plast Surg 1983; 10(2):115-119
 102. Lindeman V, Lieb W, Kahaly G, Grehn F. Müller-Ektomie bei endokriner Orbitopathie. Ophthalmologie 1995; 92:359-361
 103. Linder T, Pike V, Linstrom C. Early eyelid rehabilitation in facial nerve paralysis. Laryngoscope 1996; 106:1115-1118
 104. Linnet J, Madsen F. Hypoglossal-facial nerve anastomosis. Acta Neurochir (Wien) 1995; 133(3-4):112-115
 105. Lisman RD, Smith B, Baker D, Arthurs B. Efficacy of surgical treatment for paralytic ectropion. Ophthalmology 1987; 94(6):671-681
 106. Lullies H, Trincker D. Taschenbuch der Physiologie. Band 2. Fischer Verlag, Jena 1974; 370-372
 107. Maas C, Merwin G, Wilson J, Frey M, Maves M. Comparison of biomaterials for facial bone augmentation. Arch Otolaryngol Head Neck Surg 1990; 116(5):551-556
 108. Maas C, Benecke J, Holds J, Schoenrock L, Simo F. Primary surgical management for rehabilitation of the paralyzed eye. Otolaryngol Head Neck Surg 1994; 110:288-295
 109. Maurer J, Madani M, Mann W. Erfahrungen mit Oberlid-Gold-Implantaten bei Fazialisparese. Laryngo Rhino Otol 1997; 76:106-109
 110. May M. Facial paralysis, peripheral type: a proposed method of reporting. (Emphasis on diagnosis and prognosis, as well as electrical and chorda tympani nerve testing). Laryngoscope 1970; 80(3):331-390
 111. May M. Gold weight and wire spring implants as alternatives to tarsorrhaphy. Arch Otolaryngol Head Neck Surg 1987; 113: 656-660

112. May M, Hoffmann D, Buerger G, Soll B. Management of the paralyzed lower eyelid by implanting auricular cartilage. *Arch Otolaryngol Head Neck Surg* 1990; 116:786-788
113. May M, Sobol S, Mester S. Hypoglossal-facial interposition jump graft for facial reanimation without tongue atrophy. *Otolaryngol Head Neck Surg* 1991; 104:818
114. May M, Mester S, Shapiro A, Kanal E. Gold weight or spring implants and MRI. *Laryngoscope* 1993; 103(8):930
115. May M. The facial nerve. May, M., Schaitkin B. M. (Eds). Thieme Inc, New York 2000
116. McCord C, Doxanas M. Browplasty and browpexy: An adjunct to blepharoplasty. *Plast Reconstr Surg* 1990; 86(2):248-254
117. McNeill J, Oh Y, An improved palpebral spring for the management of paralytic lagophthalmos. *Ophthalmology* 1991; 98:715-719
118. Medders G, Mattox D, Lyles A. Effects of fibrin glue on rat facial nerve regeneration. *Otolaryngol Head Neck Surg* 1989; 100(2): 106-109
119. Meier-Gallati V, Scriba H, Fisch U. Objective scaling of facial nerve function based on area analysis (OSCAR). *Otolaryngol Head Neck Surg* 1998; 118(4):545-550
120. Merget R, van Kampen V, Bruning T. Immediate type allergies due to metal compounds: platinum salts. *Pneumologie* 2003; 57(10):606-611
121. Miehke A, Stennert E, Chilla R. New aspects in facial nerve surgery. *Clin Plast Surg* 1979; 6(3):451-470
122. Mohr A. Präarsale Platin-Iridium-Implantate zur Therapie des Lagophthalmus bei Fazialisparese - Vorläufige Ergebnisse. *Ophthalmologie* 1997; 94:600-602
123. Morel-Fatio D, Lalardrie J. Palliative surgical treatment of facial paralysis: the palpebral spring. *Plast Reconstr Surg* 1964; 33:446-456
124. Mourits M, Koornneef L. Lid lengthening by sclera interposition for eyelid retraction in Graves' ophthalmopathy. *Br J Ophthalmol* 1991; 75:344-347
125. Mühlbauer W, Segeth H, Viessmann A. Restoration of lid function in facial palsy with permanent magnets. *Chir Plast* 1973; 1: 295-304
126. Müller-Jensen G, Müller-Jensen K. Klebende Lidgewichte (reversible lidloading) zur Lagophthalmus-Behandlung. *Klein Monatsbl Augenheilkd* 1995; 207:87-90
127. Müller-Jensen K, Jansen M. 6jährige Erfahrung mit reversibler und operativer Oberlidbeschwerung beim Lagophthalmus. *Ophthalmologie* 1997; 94:295-299
128. Murty G, Diver J, Kelly P, O'Donoghue G, Bradley P. The Nottingham System: objective assessment of facial nerve function in the clinic. *Otolaryngol Head Neck Surg* 1994; 110(2):156-161

129. Neely J, Cheung J, Wood M, Byers J, Rogerson A. Computerized quantitative dynamic analysis of facial motion in the paralyzed and synkinetic face. *Am J Otol* 1992; 13(2):97-107
130. O Sullivan K, Pap S, Megerian C, Li Y, Sheer L, Smith T, Lawrence W. Improved axon diameter and myelin sheath thickness in facial nerve cable grafts wrapped in temporoparietal fascial flaps. *Ann Plast Surg* 1998; 40(5):478-485
131. Otto R, Gaughan R, Templer J, Davis W. Electrical restoration of the blink reflex in experimentally induced facial paralysis. *Ear Nose Throat J* 1986; 65(9):30-32, 37
132. Ozun G, Ferrand J. Facial paralysis. Treatment of upper eyelid occlusion by inclusion of a concealed gold plate. *Ann Chir Plast Esthet* 1994; 39(1):119-124
133. Palva T, Palva A, Kärjä J. Ossicular reconstruction in chronic ear surgery. *Arch Otolaryngol* 1973; 98:340-348
134. Peitersen E. Natural history of Bell's palsy. In: Graham MD, House WF (eds) *Disorders of the facial nerve*. Raven, New York, 1982; 307-312
135. Peitersen E. Bell's palsy: the spontaneous course of 2,500 peripheral facial nerve palsies of different etiologies. *Acta Otolaryngol Suppl* 2002; 4-30
136. Petroff M, Goode R, Levet Y. Gore-Tex implants: applications in facial paralysis rehabilitation and soft-tissue augmentation. *Laryngoscope*. 1992; 102(10):1185-1189
137. Pickford M, Scamp T, Harrison D. Morbidity after Gold weight insertion into the upper eyelid in facial palsy. *Br J Plast Surg* 1992; 45:460-464
138. Piffaretti J. Indication for tarsorrhaphy in lagophthalmos. *Klin Monatsbl Augenheilkd* 1980; 176(4):731-733
139. Pitty L, Tator C. Hypoglossal-facial nerve anastomosis for facial nerve palsy following surgery for cerebellopontine angle tumors. *J Neurosurg* 1992; 77(5):724-731
140. Plester D, Cousins V. Otosclerosis: its modern surgical management. *Br J Clin Prac* 1986; 40:401-403
141. Riehm E, Hinzpeter E. Erfahrungen mit Magnetimplantationen bei Lagophthalmus. *Klin Monatsbl Augenheilkd* 1976; 169:524-528
142. Riemann R, Wagner G, Riemann E. Clinical and electrophysiologic studies of facial nerve function after hypoglossal-facial nerve anastomosis. *Laryngorhinootologie* 1999; 78(5):244-253
143. Robison M. Stapes prosthesis: stainless steel vs. Teflon. *Laryngoscope* 1974; 84:1982-1995
144. Roggenkamper P, Laskawi R, Damenz W, Schroder M, Nussgens Z. Orbicular synkinesis after facial paralysis: treatment with botulinum toxin. *Doc Ophthalmol*. 1994; 86(4):395-402

145. Rohrbach S, Laskawi R. Botulinum-Toxin in der Hals-Nasen-Ohrenheilkunde. *Laryngo-Rhino-Otol* 2003; 82:202-218
146. Ross B, Nedzelski J, McLean J. Efficacy of feedback training in long-standing facial nerve paresis. *Laryngoscope* 1991; 101:744–750
147. Rossi F, Incorvaia C, Mauro M. Hypersensitivity reactions to chemotherapeutic antineoplastic agents. *Recenti Prog Med* 2004; 95(10):476-481
148. Rothstein J, Berlinger N. Electronic reanimation of facial paralysis--a feasibility study. *Otolaryngol Head Neck Surg* 1986; 94(1):82-85
149. Rubin L. Reanimation of the paralysed face. C.V. Mosby Comp., St. Louis 1977
150. Sachsenweger M. *Augenheilkunde*. Stuttgart, Hippokrates, 1994; 36-38
151. Sakamoto T, Watabe K, Ohashi T, Kawazoe Y, Oyanagi K, Inoue K, Eto Y. Adenoviral vector-mediated GDNF gene transfer prevents death of adult facial motoneurons. *Neuro-Report* 2000; 11:1857-1860
152. Sakamoto T, Kawazoe Y, Shen J, Takeda Y, Arakawa Y, Ogawa J, Oyanagi K, Ohashi T, Watanabe K, Inoue K, Eto Y, Watabe K. Adenoviral gene transfer of GDNF, BDNF and TGF beta 2, but not CNTF, cardiotrophin-1 or IGF1, protects injured adult motoneurons after facial nerve avulsion. *J Neurosci Res* 2003; 72(1):54-64
153. Samii M. Fascicular nerve repair. In: *Technics of Neurosurgery*. Futura, New York 1980
154. Sargent E, Fadhli O, Cohen R. Measurement of facial movement with computer software. *Arch Otolaryngol Head Neck Surg* 1998; 124:313-318
155. Scaramella L. L' anastomosi tra i due nervi faciali. *Arch Otol* 1971; 82:209
156. Schaumburg H, Berger A, Thomas P. *Disorders of peripheral nerves*. FL Davis, Philadelphia 1992
157. Schatz C, Shelton C, Brown B. Ex vivo evaluation of ferromagnetism for metallic ocular and middle-ear prosthesis exposed to a 1,5 T MR imager. *Radiology* 1990; 177:271
158. Schauss F, Schick B, Draf W. Regional muscle flap-plasty and adjuvant measures for rehabilitation of the paralyzed face. *Laryngorhinotologie* 1998; 77(10):576-581
159. Schimanski G. Die Arrosion und Nekrose des langen Amboßschenkels nach Otoskleroseoperation. *HNO* 1997; 45:682-689
160. Schipper J, Arndt S, Maier W, Spetzger U, Ridder G. Paralyzed face Ansa-cervicalis-nervi-hypoglossi-Fazialis-Anastomose alternativ zur Hypoglossus-Fazialis-Anastomose? *Chirurg*. 2005; 76(1):47-53
161. Schliephake H, Schmelzeisen R, Troger M. Revascularized muscle transfer for facial reanimation after long-standing facial paralysis. *Int J Oral Maxillofac Surg* 2000; 29(4):243-

162. Schoeller T, Gschnitzer C, Wechselberger G, Otto A, Hussl H, Piza-Katzer H. Chronic recurrent, locally destructive siliconomas after breast augmentation by liquid silicone oil. *Chirurg* 2000; 71(11):1370-1373
163. Schrom T, Goldhahn A, Neumann K, Berghaus A. Risiken der Oberlidgoldimplantation bei peripherer Fazialisparese. *HNO* 1999; 47:262–268
164. Schrom T, Goldhahn A, Stange T, Berghaus A. Implantate zur operativen Therapie des Lagophthalmus. Kongressband der 37. Jahrestagung der Deutschen Gesellschaft für Plastische und Wiederherstellungschirurgie 1999:19-20 Congress compact Verlag
165. Schubert K. Erfahrungsbericht über den Goldstapes. *Monatsschr Ohrenheilk Laryngo Rhinol* 1968; 102:59-63
166. Schuknecht H, Oleksiuk S. The metal prosthesis for stapes ankylosis. *Arch Otolaryngol* 1960; 71:287-295
167. Seddon H. Three types of nerve injuries. *Brain* 1943; 66: 237-
168. Seiff S, Sullivan J, Freeman L, Ahn J. Pretarsal fixation of gold weights in facial nerve palsy. *Ophthalmic Plast Rekonstr Surg* 1989; 5(2):104-109
169. Seiff S, Chang J. The staged management of ophthalmic complications of facial nerve palsy. *Ophthalmic Plast Rekonstr Surg* 1993; 9:241-249
170. Sen D. Temporalis transplantation procedure for paralytic lagophthalmos. Some modifications. *Int Surg* 1971; 56(6):410-413
171. Sheehan J. Progress in correction of facial palsy with tantalum wire and mesh. *Surgery* 1950; 27:122-125
172. Shindo M. Facial reanimation with microneurovascular free flaps. *Facial Plast Surg* 2000; 16(4):357-359
173. Sieg P, Geerling G, Kosmehl H, Lauer I, Warnecke K, von Domarus H. Microvascular submandibular gland transfer for severe cases of keratoconjunctivitis sicca. *Plast Rekonstr Surg*. 2000; 106(3):554-560
174. Sittel C, Guntinas-Lichius O, Streppel M, Stennert E. Variability of repeated facial nerve electroneurography in healthy subjects. *Laryngoscope* 1998; 108:1177–1180
175. Sokol A, Sokol T. Transblepharoplasty brow suspension. *Plast Rekonstr Surg* 1982; 69(6):940-944
176. Sood S, Anthony R, Homer J, Van Hille P, Fenwick J. Hypoglossal-facial nerve anastomosis: assessment of clinical results and patient benefit for facial nerve palsy following acoustic neuroma excision. *Clin Otolaryngol* 2000; 25(3):219-226

177. Soll D. New surgical approaches to the management of ocular exposure secondary to facial paralysis. *Ophthal Plast Reconstr Surg* 1988; 4(4):215-219
178. Somia N, Rash G, Epstein E, Wachowiak M, Sundine M, Stremel R, Barker J, Gossman D. A computer analysis of reflex eyelid motion in normal subjects and in facial neuropathy. *Clin Biomech* 2000; 15(10):766-771
179. Somia N, Zonnevillje E, Stremel R, Maldonado C, Gossman M, Barker J. Multi-channel orbicularis oculi stimulation to restore eye-blink function in facial paralysis. *Microsurgery* 2001; 21(6):264-270
180. Sommer B, Sattler G. *Botulinumtoxin in der ästhetischen Medizin*. Blackwell Wissenschaftsverlag Berlin Wien 2001
181. Sommer T, Maintz D, Schmiedel A, Hackenbroch M, Hofer U, Urbach H, Pavlidis C, Traber F, Schild H, Hoher M. High Field MR Imaging: Magnetic Field Interactions of Aneurysm Clips, Coronary Artery Stents and Iliac Artery Stents with a 3.0 Tesla MR System. *Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr* 2004; 176(5):731-738
182. Spector J, Lee P, Derby A, Friedrich G, Neises G, Roufa D. Rabbit facial nerve regeneration in NGF-containing silastic tubes. *Laryngoscope* 1993; 103(5):548-558
183. Spector J, Lee P, Derby A, Roufa D. Comparison of rabbit facial nerve regeneration in nerve growth factor-containing silicone tubes to that in autologous nerve grafts. *Ann Otol Rhinol Laryngol* 1995; 104(11):875-885
184. Spector J. Neural repair in facial paralysis: clinical and experimental studies. *Eur Arch Otorhinolaryngol* 1997; 254: S68-S75
185. Steinbach E, Pulsakar A, Plester D. Gehörknöchelchenersatz durch Goldprothesen. *Zbl HNO Hlk* 1990; 139:133
186. Steinbach E. Zur Einlage eines Tubenimplantates bei Belüftungsstörungen des Mittelohres. *Arch Oto Rhino Laryngol* 1991; suppl II:271-272
187. Stennert E, Limberg C, Frentrup K. An index for paresis and defective healing--an easily applied method for objectively determining therapeutic results in facial paresis. *HNO* 1977; 25(7):238-245
188. Stennert E. Hypoglossal-facial anastomosis: its significance for modern facial surgery. *Clin Plast Surg* 1979; 6:471-486
189. Stennert E, Jungehülsing M. Chirurgie der Glandula parotis einschließlich rekonstruktiver Fazialischirurgie, Standard- und Qualitätssicherung. *Laryngo Rhino Otol* 2001; 80 (Suppl I):156-197
190. Suchy B, Wolf S, Gebhard A, Paulus D. Image analysis system for detection facial

- paralysis. HNO 2001; 49(10):814-817
191. Sunderland S. A classification of peripheral nerve injuries producing loss of function. *Brain* 1951; 74:491-516
 192. Sunderland, S. Some anatomical and pathophysiological data relevant to facial nerve injury and repair. Pp 47-61. In: Fisch, U. (Ed) *Facial nerve surgery*. Kugler Medical Publ. B. V 1977, Amstelveen
 193. Takushima A, Harii K, Asato H, Yamada A. Neurovascular free-muscle transfer to treat facial paralysis associated with hemifacial microsomia. *Plast Reconstr Surg* 2002; 109(4):1219-1227
 194. Tami T, Kennedy K, Harley E. A clinical evaluation of gold-plated tubes for middle-ear ventilation. *Arch Otolaryngol Head Neck Surg* 1987; 113(9):979-980
 195. Tong J, Rich K. Diphenylpiperazines enhance regeneration after facial nerve injury. *J Neurocytol* 1997; 26(5):339-347
 196. Townsend D. Eyelid reanimation for the treatment of paralytic lagophthalmos: historical perspectives and current applications of the gold weight implant. *Ophthalmic Plast Reconstr Surg* 1992; 8(3):196-201
 197. Tremolada C, Raffaini M, D'Orto O, Gianni A, Biglioli F, Carota F. Temporal galeal fascia cover of custom-made gold lid weights for correction of paralytic lagophthalmos: long-term evaluation of an improved technique. *J Craniomaxillofac Surg* 2001; 29(6):355-359
 198. Triquet, Bruns. *Die chirurgische Pathologie und Therapie des Kau- und Geschmacksorgans* Zit. Nach Kernmauner 1859
 199. Ueda K, Harii K, Asato H, Yoshimura K, Yamada A. Evaluation of muscle graft using facial nerve on the affected side as a motor source in the treatment of facial paralysis. *Scand J Plast Reconstr Surg Hand Surg* 1999; 33(1):47-57
 200. Velhagen K. *Der Augenarzt*. Band I. Leipzig, Thieme Verlag 1969; 90-91
 201. Velhagen K. *Der Augenarzt*. Band II. Leipzig, Thieme Verlag 1972; 874-900
 202. Waldeyer A. *Anatomie des Menschen*. Berlin, de Gruyter, 1986; 85-87, 211-214
 203. Waller A. Experiments on the section of the glossopharyngeal and hypoglossal nerve of the frog, and observation of the alterations produced thereby in the structure of their primitive fibres. *Philosophical Transactions* 1850; Royal Society of London 140:423
 204. Wesley R, Collins J. McCord procedure for ectropion repair. *Arch Otolaryngol* 1983; 109:319-322
 205. West G, Haynor D, Goodkin R, Tsuruda J, Bronstein A, Kraft G, Winter T, Kliot M. Magnetic resonance imaging signal changes in denervated muscles after peripheral nerve

- injury. *Neurosurgery* 1994; 35:1077–1085
206. Yamamoto Y, Sasaki S, Furukawa H, Oyama A, Endo N, Sugihara T, Furuta Y. Anchoring correction of eyebrow ptosis in facial palsy. *Plast Reconstr Surg* 2001; 108:1297-1299
 207. Yanagihara N. On standardised documentation of facial palsy. *Nippon Jibiinkoka Gakkai Kaiho* 1977; 80(8):799-805
 208. Yoleri L, Songur E. Modified temporalis muscle transfer for paralytic eyelids. *Ann Plast Surg* 1999; 43(6):598-605