

Publications

D. Straumann, M.D.

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A. Peer reviewed papers

1. Haslwanter T, Straumann D, Hepp K, Hess BJM, Henn V (1991) Smooth pursuit eye movements obey Listing's law in the monkey. *Exp Brain Res* 87: 470-472 (IF: 2.195)
2. Straumann D (1991) Off-line computing of slow-phase velocity profiles evoked by velocity steps or caloric stimulation. *Int J Biomed Comput* 29: 61-65 (IF: 2.754)
3. Straumann D, Haslwanter T, Hepp-Reymond MC, Hepp K (1991) Listing's law for eye, head and arm movements and their synergistic control. *Exp Brain Res* 86: 209-215 (IF: 2.195)
4. van Opstal AJ, Hepp K, Hess BJM, Straumann D, Henn V (1991) Two- rather than three-dimensional representation of saccades in monkey superior colliculus. *Science* 252: 1313-1315 (IF: 28.103)
5. Böhmer A, Straumann D, Kawachi N, Arai Y, Henn V (1992) Three-dimensional analysis of caloric nystagmus in the rhesus monkey. *Acta Otolaryngol* 112:916-926 (IF: 0.868)
6. Haslwanter T, Straumann D, Hess BJM, Henn V (1992) Static roll and pitch positions shift and rotate Listing's plane in the monkey. *Vision Res* 32: 1341-1348 (IF: 2.051)
7. Hess BJM, van Opstal JA, Straumann D, Hepp K (1992) Calibration of three-dimensional eye position using search coil signals in the rhesus monkey. *Vision Res* 9:1647-1654 (IF: 2.051)
8. Straumann D, Henn V (1992) Open-loop syndrome: one plegic and one amaurotic eye. *Clin Vision Sci* 7: 129-132 (IF: 2.051)

*Impact factors (IF) for the year 2008. Note that impact factors are frequently misused to evaluate the importance of an individual publication or an individual researcher (Seglen 1997, BMJ).

9. Straumann D, Suzuki M, Henn V, Hess BJM, Haslwanter T (1992) Visual suppression of torsional vestibular nystagmus in rhesus monkeys. *Vision Res* 32: 1067-1074 (IF: 2.051)
10. Hepp K, Van Opstal AJ, Straumann D, Hess BJM, Henn V (1993) Monkey superior colliculus represents rapid eye movements in a two-dimensional motor map. *J Neurophysiol* 69: 965-979 (IF: 3.648)
11. Straumann D, Hess Ch, Schubiger O (1993) Ein Fall aus der Praxis (266). Binswanger Encephalopathie. *Schweiz Rundsch Med Prax* 82: 331-332 (IF: -)
12. Straumann D, Müller E (1994) Torsional rebound nystagmus in a patient with type I Chiari malformation. *Neuroophthalmology* 14: 79-84 (IF: 0.111)
13. Yue A, Straumann D, Henn V (1994) Three-dimensional characteristics of rhesus monkey vestibular nystagmus after velocity steps. *J Vestib Res* 4: 313-323 (IF: 0.565)
14. Straumann D, Zee DS, Solomon D, Lasker AG, and Roberts D (1995) Transient torsion during and after saccades. *Vision Res* 35: 3321-3334 (IF: 2.051)
15. Suzuki Y, Buettner-Ennever JA, Straumann D, Hepp K, Hess BJM, Henn V (1995) Deficits in torsional and vertical rapid eye movements and shift of Listing's plane after uni- and bilateral lesions of the rostral interstitial nucleus of the medial longitudinal fasciculus. *Exp Brain Res* 106: 215-232 (IF: 2.195)
16. Böhmer A, Straumann D, Suzuki JI, Hess BJM, Henn V (1996) Contributions of single semicircular canals to caloric nystagmus as revealed by canal plugging in Rhesus monkeys. *Acta Otolaryngol* 116: 513-520 (IF: 0.868)
17. Straumann D, Zee DS, Solomon D, Kramer PD (1996) Validity of Listing's law during fixations, saccades, smooth pursuit eye movements, and blinks. *Exp Brain Res* 112: 135-146 (IF: 2.195)
18. An DS, Straumann D, Wieser HG (1996) 'One-way asynchrony' of burst-suppression activity. *Neurophysiol Clin* 26: 329-334 (IF: 1.160)
19. Böhmer A, Straumann D, Fetter M (1997) Three-dimensional analysis of spontaneous nystagmus in peripheral vestibular lesions. *Ann Otol Rhinol Laryngol* 106: 61-68 (IF: 1.339)
20. Böhmer A, Straumann D (1998) Pathomechanism of mammalian downbeat nystagmus due to cerebellar lesion - a simple hypothesis. *Neurosci Lett* 250: 127-130 (IF: 2.200)
21. Guyton DL, Cheeseman EW, Ellis FJ, Straumann D, Zee DS (1998) Dissociated vertical deviation: an exaggerated normal eye movement used to damp cyclovertical latent nystagmus. *Trans Am Ophthalmol Soc* 96: 389-429 (IF: -)

22. Suzuki Y, Straumann D, Simpson JI, Hepp K, Hess BJM, Henn V (1999) Three-dimensional extraocular motoneuron innervation in the Rhesus monkey - I. Muscle rotation axes and on-directions during fixation. *Exp Brain Res* 126: 187-199 (IF: 2.195)
23. Palla A, Straumann D, Obzina H (1999) Eye position dependence of three-dimensional ocular rotation axis orientation during head impulses in humans. *Exp Brain Res* 129: 127-133 (IF: 2.195)
24. Minor LB, Haslwanter T, Straumann D, Zee DS (1999) Hyperventilation-induced nystagmus in patients with vestibular Schwannoma. *Neurology* 53: 2158-2168 (IF: 7.043)
25. Schmid-Priscoveanu A, Straumann D, Böhmer A, Obzina H (1999) Vestibulo-ocular responses during static head roll and three-dimensional head impulses after vestibular neuritis. *Acta Otolaryngol* 119: 750-757 (IF: 0.868)
26. Straumann D, Zee DS, Solomon D (2000) Three-dimensional kinematics of ocular drift in humans with cerebellar atrophy. *J Neurophysiol* 83: 1125-1140 (IF: 3.648)
27. Lee C, Zee DS, Straumann D (2000) Saccades from torsional offset positions back to Listing's plane. *J Neurophysiol*, 83: 3241-3253 (IF: 3.648) *
28. Krähenbühl S, Brandner S, Kleinle S, Liechti S, Straumann D (2000) Mitochondrial diseases represent a risk factor for valproate-induced fulminant liver failure. *Liver* 20: 346-348 (IF: 2.908)
29. Schmid-Priscoveanu A, Straumann D, Kori AA (2000) Torsional vestibulo-ocular reflex during whole-body oscillation in upright and supine position I. Responses in healthy human subjects. *Exp Brain Res* 134: 212-219 (IF: 2.195)
30. Brodsky MC, Haslwanter T, Kori AA, Straumann D (2000) The role of volitional effort in the Bielschowsky head tilt test: a clinical and oculographic assessment. *Binocul Vis Strabismus Q* 15, 325-330 (IF: -)
31. Suzuki Y, Straumann D, Henn V (2000) Effects of alertness on three-dimensional eye movements. *Jpn J Ophthalmol* 44: 457-462 (IF: 1.257)
32. Kori AA, Schmid-Priscoveanu A, Straumann D (2001) Vertical divergence and counterroll eye movements evoked by whole-body position steps about the roll axis of the head in humans. *J Neurophysiol* 85: 671-678 (IF: 3.648)
33. Bergamin O, Zee DS, Roberts DC, Landau K, Lasker AG, Straumann D (2001) Three-dimensional Hess screen test with binocular dual search coils in a three-field magnetic system. *Invest Ophthalmol Vis Sci* 42: 660-667 (IF: 3.582)
34. Bergamin O, Straumann D (2001) Three-dimensional binocular kinematics of torsional vestibular nystagmus during convergence on head-fixed targets in humans. *J Neurophysiol* 86: 113-122 (IF: 3.648)

35. Scherberger H, Cabungcal JH, Hepp K, Suzuki Y, Straumann D, Henn V (2001) Ocular counterroll modulates the preferred direction of saccade-related pontine burst neurons in the monkey. *J Neurophysiol* 86: 935-949 (IF: 3.648)
36. Schmid-Priscoveanu A, Böhmer A, Obzina H, Straumann D (2001) Caloric and search-coil head impulse testing in patients after vestibular neuritis. *J Assoc Res Otolaryngol* 2: 72-78 (IF: 2.429)
37. Bergamin O, Bizzarri S, Straumann D (2002) Ocular torsion during voluntary blinks in humans. *Invest Ophthalmol Vis Sci* 43: 3438-3443 (IF: 3.582)
38. Marti S, Palla A, Straumann D (2002) Gravity-dependence of ocular drift in patients with cerebellar downbeat nystagmus. *Ann Neurol* 52: 712-721 (IF: 9.935)
39. Bockisch CJ, Straumann D, Haslwanter T (2003) Eye movements during multi-axis whole-body rotations. *J Neurophysiol* 89: 355-366 (IF: 3.648)
40. Yakushin SB, Palla A, Haslwanter T, Bockisch CJ, Straumann D (2003) Dependence of adaptation of the human vertical angular vestibulo-ocular reflex on gravity. *Exp Brain Res* 152: 137-142 (IF: 2.195)
41. Solomon D, Zee DS, Straumann D (2003) Torsional and horizontal vestibular ocular reflex adaptation: three-dimensional eye movement analysis. *Exp Brain Res*, 152:150-155 (IF: 2.195)
42. Straumann D, Steffen H, Landau K, Bergamin O, Mudgil AV, Walker MF, Guyton DL, Zee DS (2003) Primary position and Listing's law in acquired and congenital trochlear nerve palsy. *Invest Ophthalmol Vis Sci* 44: 4282-4292 (IF: 3.582)
43. Frohman TC, Frohman EM, O'Suilleabhain P, Salter A, Dewey RB Jr, Hogan N, Galetta S, Lee AG, Straumann D, Noseworthy J, Zee DS, Corbett J, Corboy J, Rivera VM, Kramer PD (2003) Accuracy of clinical detection of INO in MS: Corroboration with quantitative infrared oculography. *Neurology* 61: 848-850 (IF: 7.043)
44. Jarchow T, Wirz M, Haslwanter T, Dietz V, Straumann D (2003) Perceived horizontal body position in healthy and paraplegic subjects: effect of centrifugation. *J Neurophysiol* 90: 2973-2977 (IF: 3.648)
45. Bergamin O, Ramat S, Straumann D, Zee DS (2004) Influence of orientation of exiting wire of search coil annulus on torsion following saccades. *Invest Ophthalmol Vis Sci* 45: 131-137 (IF: 3.582)
46. Weber KP, Landau K, Palla A, Haslwanter T, Straumann D (2004) Ocular rotation axes during dynamic Bielschowsky head-tilt testing in unilateral trochlear nerve palsy. *Invest Ophthalmol Vis Sci* 45: 455-65 (IF: 3.582)

47. Helmchen C, Sprenger A, Rambold H, Sander T, Kömpf D, Straumann D (2004) Effect of 3,4-diaminopyridine on the gravity dependence of ocular drift in downbeat nystagmus. *Neurology* 63: 752-753 (IF: 7.043)
48. Schmid-Priscoveanu A, Kori AA, Straumann D (2004) Torsional vestibulo-ocular reflex during whole-body oscillation in the upright and the supine position: II. Responses in patients after vestibular neuritis. *J Vestib Res*: 14: 353-359 (IF: 0.565)
49. Bockisch CJ, Straumann D, Hess K, Haslwanter T (2004) Enhanced smooth pursuit eye movements in patients with bilateral vestibular deficits. *Neuroreport* 15: 2617-20 (IF: 1.904)
50. Palla A, Straumann D (2004) Recovery of the high-acceleration vestibulo-ocular reflex after vestibular neuritis. *J Assoc Res Otolaryngol* 5: 427-435 (IF: 2.429)
51. Bischof M, Straumann D, Georgiadis D, Baumgartner RW (2004) [Unusual reason for delayed intravenous thrombolysis]. *Schweiz Med Forum* 4: 449-451 (IF: -)
52. Bockisch CJ, Straumann D, Haslwanter T (2005) The human 3D aVOR with and without otolith stimulation. *Exp Brain Res* 161: 358-67 (IF: 2.195)
53. Palla A, Marti S, Straumann D (2005) Head-shaking nystagmus depends on gravity. *J Assoc Res Otolaryngol* 6: 1-8 (IF: 2.429)
54. Marti S, Bockisch CJ, Straumann D (2005) Prolonged asymmetric smooth pursuit stimulation leads to downbeat nystagmus in healthy human subjects. *Invest Ophthalmol Vis Sci* 46: 143-149 (IF: 3.582)
55. Ramat S, Straumann D, Zee DS (2005) The interaural translational VOR: suppression, enhancement and cognitive control. *J Neurophysiol* 94: 2391-2402 (IF: 3.648)
56. Palla A, Bockisch CJ, Bergamin O, Straumann D (2006) Dissociated hysteresis of static ocular counterroll in humans. *J Neurophysiol* 95: 2222-2232 (IF: 3.648)
57. Marti S, Bockisch CJ, Straumann D (2006) Asymmetric and symmetric and short-term adaptation of the vertical VOR in humans. *Exp Brain Res* 172: 343-350 (IF: 2.195)
58. Ishihara H, Bjeljac M, Straumann D, Kaku Y, Roth P, Yonekawa Y (2006) The role of intraoperative monitoring of oculomotor and trochlear nuclei -safe entry zone to tegmental lesions. *Minim Invas Neurosurg* 49: 168-172 (IF: 0.709)
59. Sprenger A, Rambold H, Sander T, Marti S, Weber K, Straumann D, Helmchen C (2006) Treatment of the gravity-dependence of downbeat nystagmus with 3,4-diaminopyridine. *Neurology* 67: 905-907 (IF: 7.043)
60. Tarnutzer AA, Ramat S, Straumann D, Zee DS (2007) Pursuit responses to target steps during ongoing tracking. *J Neurophysiol* 97: 1266-79 (IF: 3.648)

61. Jorns-Häderli M, Straumann D, Palla A (2007) Accuracy of the bedside head-impulse test in detecting vestibular hypofunction. *J Neurol Neurosurg Psychiatry* 78: 1113-1118 (IF: 4.622)
62. Marques B, Colombo G, Müller R, Dürsteler MR, Dietz V, Straumann D (2007) Influence of vestibular and visual stimulation on split-belt walking. *Exp Brain Res* 183: 457-463 (IF: 2.195)
63. Hegemann S, Straumann D, Bockisch CJ (2007) Alexander's law in patients with acute unilateral vestibular deficit. *J Assoc Res Otolaryngol* 8:551-561 (IF: 2.429)
64. Palla A, Hegemann S, Widmer U, Straumann D (2007) Vestibular and auditory deficits in Fabry disease and their response to enzyme replacement therapy. *J Neurol* 254: 1433-1442 (IF: 2.536)
65. Steffen H, Straumann D, Walker MF, Miller NR, Guyton DL, Repka MX, Zee DS (2008) Torsion in patients with superior oblique palsies: dynamic torsion during saccades and changes in Listing's plane. *Graefes Arch Clin Exp Ophthalmol* 246: 771-8 (IF: 1.770)
66. Marti S, Baloh RW, Jen JC, Straumann D, Jung HH (2008) Progressive cerebellar ataxia with variable episodic symptoms - phenotypic diversity of R1668W CACNA1A mutation. *Eur J Neurol* 60: 16-20 (IF: 2.732)
67. Marti S, Hegemann S, von Büdingen HC, Baumgartner RW, Straumann D (2008) Rotational vertebral artery syndrome - 3D kinematics of nystagmus suggest bilateral labyrinthine dysfunction. *J Neurol* 255: 663-667 (IF: 2.536)
68. Mosso M, Schmid-Priscoveanu A, Straumann D, Baumgartner RW (2008) Absence of gravity-dependent modulation of straight sinus flow velocity in healthy humans. *Ultrasound Med Biol* 34: 726-729 (IF: 2.395)
69. Marti S, Tarnutzer AA, Schuknecht B, Straumann D (2008) Dissociation between canal- and otolith-function in cerebellar atrophy. *J Neurol* 255: 769-771 (IF: 2.536)
70. Marti S, Straumann D, Büettner U, Glausauer S (2008) A model-based theory on the origin of downbeat nystagmus. *Exp Brain Res* 118: 613-631 (IF: 2.195)
71. Palla A, Straumann D, Bronstein AM (2008) Vestibular neuritis: vertigo and the high-acceleration vestibulo-ocular reflex. *J Neurol* 255: 1479-1482 (IF: 2.536)
72. Weber KP, Bockisch CJ, Olasagasti I, Straumann D (2009) Modulation of saccade curvature by ocular counterroll. *Invest Ophthalmol Vis Sci* 50: 1158-1167 (IF: 3.582)
73. Kurre A, van Gool CJ, Bastiaenen CH, Gloor-Juzi T, Straumann D, de Bruin ED (2009) Translation, cross-cultural adaptation and reliability of the German version of the Dizziness Handicap Inventory. *Otol Neurotol* 30: 359-67 (IF: 1.410)

74. Shaikh AG, Marti S, Tarnutzer AA, Palla A, Crawford TO, Straumann D, Zee DS (2009) Fixation deficits in ataxia-telangiectasia. *J Neurol Neurosurg Psychiatry* 80: 858-864 (IF: 4.622)
75. Glasauer S, Stephan T, Kalla R, Marti S, Straumann D (2008) Up-down asymmetry of cerebellar activation during vertical pursuit eye movements. *Cerebellum* 8: 385-388 (IF: 3.847)
76. Palla A, Schmid-Priscoveanu A, Studer A, Hess K, Straumann D (2009) Deficient high-acceleration vestibular function in polyneuropathic patients. *Neurology* 72: 2009-2013 (IF: 7.043)
77. Tarnutzer AA, Bockisch CJ, Straumann D (2009) Head roll dependent variability of subjective visual vertical and ocular counterroll. *Exp Brain Res* 95: 621-626 (IF: 2.195)
78. Tarnutzer AA, Bockisch CJ, Straumann D, Olasagasti I (2009) Gravity-dependence of subjective visual vertical variability. *J Neurophysiol* 102: 1657-1671 (IF: 3.648)
79. Laurens J, Awai L, Bockisch CJ, Hegemann S, van Hedel H, Dietz V, Straumann D (2009) Visual contribution to postural stability: interaction between stationary and moving target and background. *Gait Posture* 31: 37-41 (IF: 2.743)
80. Tarnutzer AA, Bockisch CJ, Straumann D (2009) Roll-dependent modulation of the subjective visual vertical: Contributions of head- and trunk-based signals. *J Neurophysiol* 103: 934-941 (IF: 3.648)

B. Reviews

81. Straumann D (1995) Die Gültigkeit okulomotorischer Gesetze. *Schweiz Arch Neurol Psychiatr* 146: 151-156 (IF: -)
82. Straumann D, Zee DS (1995) Three-dimensional aspects of eye movements. *Curr Opin Neurol* 8: 69-71 (IF: 5.550)
83. Henn V, Straumann D (1999) Listing's plane of eye movements. In: Adelman G, Smith BH (eds) *Elsevier's Encyclopedia of Neuroscience*, 2nd enlarged and revised edition. Elsevier, Amsterdam, pp. 1056-1057 (IF: -)
84. Henn V, Straumann D (1999) Three-dimensional eye movement recording for clinical application. *J Vestib Res* 9: 157-162 (IF: 0.565)
85. Straumann D, Haslwanter T (2001) Ocular motor disorders. *Curr Opin Neurol* 14: 5-10 (IF: 5.550)
86. Straumann D (2001) Der neuro-otologische Kurzstatus in der Praxis und dessen Interpretation. *Praxis* 90: 1819-1824 (IF: -)

87. Palla A, Straumann D (2002) Neurological evaluation of acute vertical diplopia. *Schweiz Arch Neurol Psychiatr* 153: 180-184 (IF: -)
88. Straube A, Leigh RJ, Bronstein A, Heide W, Riordan-Eva P, Tijssen CC, Dehaene I, Straumann D (2004) EFNS task force - therapy of nystagmus and oscillopsia. *Eur J Neurol* 11: 83-89 (IF: 2.732)
89. Straumann D (2004) Schwindel in der Praxis. *Hospitalis* 74: 255-262 (IF: -)
90. Straumann D (2007) Disconjugate eye movements. *Dev Ophthalmol* 40: 90-109 (IF: -)
91. Frohman TC, Galetta SL, Fox R, Solomon D, Straumann D, Filippi M, Zee DS, Frohman EM (2007) Pearls & Oy-sters: The medial longitudinal fasciculus in ocular motor physiology. *Neurology* 70: e57-67 (IF: 7.043)
92. Palla A, Straumann D, Tarnutzer AA (2009) Otolith testing: roll plane disorders. In: Eggers SDZ, Zee DS (eds) *Vertigo and Imbalance: Clinical Neurophysiology of the Vestibular System. Handbook of Clinical Neurophysiology, Vol. 9.* Elsevier, Amsterdam, pp. 201-216 (in print) (IF: -)

C. Contributions to books and conference proceedings

93. Arai Y, Straumann D, Hess BJM, Suzuki JI (1991) The influence of head position on the second phase of caloric nystagmus in rhesus monkeys. *Acta Otolaryngol Suppl* 481: 269-271 (IF: -)
94. Henn V, Straumann D, Hess BJM, Hepp K, Vilis T, Reisine H (1991) Generation of vertical and torsional rapid eye movement in the rostral mesencephalon. Experimental data and clinical implications. *Acta Otolaryngol Suppl* 481: 191-193 (IF: -)
95. Haslwanter T, Straumann D, Hess BJM, Henn V (1992) Does counterrolling violate Listing's law? *Ann NY Acad Sci* 656:930-931 (IF: 2.303)
96. Henn V, Straumann D, Hess BJM, van Opstal J, Hepp K (1992) The generation of torsional and vertical rapid eye movements in the rostral interstitial nucleus of the MLF (riMLF). In: H Shimazu and Y Shinoda (eds) *Vestibular and Brain Stem Control of Eye, Head and Body Movements.* Japan Sci Soc Press, pp 177-182 (IF: -)
97. Henn V, Straumann D, Hess BJM, Haslwanter T, Kawachi N (1992) Three-dimensional transformations from vestibular and visual input to oculomotor output. *Ann NY Acad Sci* 656: 166-180 (IF: 2.303)
98. Hepp K, Haslwanter T, Straumann D, Hepp-Reymond M-C, Henn V (1992) The control of arm, gaze and head by Listing's law. *Exp Brain Res Series* 22: 307-319 (IF: -)

99. Hepp K, Henn V, Hess BJM, van Opstal J, Straumann D (1992) Is Listing's law implemented in the spatial or temporal saccade generator? In: H Shimazu and Y Shinoda (eds.) *Vestibular and Brain Stem Control of Eye, Head and Body Movements*. Japan Sci Soc Press, pp 197-200 (IF: -)
100. Henn V, Straumann D, Suzuki Y (1993) Generation of rapid eye movements in 3 dimensions. *Biomed Res* 14 Suppl 1: 67-69 (IF: -)
101. Straumann D, Yue Q, Kawachi N, Henn V (1993) Three-dimensional anisotropy of vestibulo-ocular reflex in rhesus monkeys. In: A Berthoz et al (eds) *Multisensory control of movement*. Oxford Univ Press, pp 42-50 (IF: -)
102. van Opstal J, Hepp K, Hess B, Straumann D, Henn V (1993) Experimental test of two models for the role of monkey superior colliculus in three-dimensional saccade generation. In: A Berthoz et al (eds) *Multisensory control of movement*. Oxford Univ Press, pp 240-254 (IF: -)
103. Böhmer A, Straumann D, Arai Y, Suzuki JI, Henn V (1994) Are there caloric responses of the vertical semicircular canals? In: R Filipo, M Barbara (eds) *Menière's Disease: Perspectives in the '90s*. Karger: Basel, pp 385-386 (IF: -)
104. Hepp K, Suzuki Y, Straumann D, Hess BJM (1994) On the 3-dimensional rapid eye movement generator in the monkey. In: JM Delgado-Garcia, E Godaux, PP Vidal (eds) *Information Processing Underlying Gaze Control*. Oxford: Pergamon Press, pp 65-73 (IF: -)
105. Straumann D, Müller E (1994) Is Listing's law preserved in the vertical fusional reflex? In: *Contemporary Ocular Motor and Vestibular Research: a Tribute to David A Robinson*, AF Fuchs, T Brandt, U Büttner, D Zee (eds) Stuttgart: Thieme, pp 336-338 (IF: -)
106. Suzuki Y, Straumann D, Hepp K, Henn V (1994) Three-dimensional representation of position coding in extra-ocular motoneurons in the rhesus monkey. In: *Contemporary Ocular Motor and Vestibular Research: a Tribute to David A Robinson*, AF Fuchs, T Brandt, U Büttner, D Zee (eds). Stuttgart: Thieme, pp 528-536 (IF: -)
107. Suzuki Y, Straumann D, Hess BJM, Henn V (1994) Changes of Listing's plane under physiological and pathological conditions. In: JM Delgado-Garcia, E Godaux, PP Vidal (eds) *Information Processing Underlying Gaze Control*. Oxford: Pergamon Press, pp 75-86 (IF: -)
108. Hepp K, Suzuki Y, Straumann D, Hess BJM, Henn V (1996) Eye position dependence of innervation on-directions of motoneurons in the monkey. *Ann NY Acad Sci* 781: 629-632 (IF: 2.303)
109. Hepp K, Van Opstal AJ, Suzuki Y, Straumann D, Hess BJ (1997) Listing's law: Visual, motor or visuomotor? In: Fetter M, Haslwanter T, Misslisch H, Tweed D

- (eds) Three-Dimensional Kinematics of Eye, Head and Limb Movements. Amsterdam: Harwood Academic Publishers, pp 33-41 (IF: -)
110. Suzuki Y, Straumann D, Hepp K, Henn V (1997) Three-dimensional eye movements evoked by electrical micro-stimulation of the trochlear nerve in alert rhesus monkeys. In: Fetter M, Haslwanter T, Misslisch H, Tweed D (eds) Three-Dimensional Kinematics of Eye, Head and Limb Movements. Amsterdam: Harwood Academic Publishers, pp 133-138 (IF: -)
 111. Solomon D, Straumann D, Zee DS (1997) Three-dimensional eye movements during vertical axis rotation: Effects of visual suppression, orbital eye position and head position. In: Fetter M, Haslwanter T, Misslisch H, Tweed D (eds) Three-Dimensional Kinematics of Eye, Head and Limb Movements. Amsterdam: Harwood Academic Publishers, pp 197-208 (IF: -)
 112. Straumann D, Zee DS, Solomon D (1997) Three-dimensional analysis of upward drift in cerebellar downbeat nystagmus. In: Fetter M, Haslwanter T, Misslisch H, Tweed D (eds) Three-Dimensional Kinematics of Eye, Head and Limb Movements. Amsterdam: Harwood Academic Publishers, pp 243-250 (IF: -)
 113. Straumann D, Henn V (1997) Neurophysiologie des Sakkadischen Systems. In: Huber A, Kömpf D (eds) Klinische Neuroophthalmologie. Stuttgart: Georg Thieme Verlag, pp 58-65 (IF: -)
 114. Guyton DL, Cheeseman EW, Ellis FJ, Straumann D, Zee DS (1998) Dissociated vertical deviation: etiology and mechanism. In: Lennerstrand G (ed) Advances in Strabismology. Erichem, The Netherlands: Aeolus Press Science Publishers, pp 353-255 (IF: -)
 115. Kori AA, Schmid-Priscoveanu A, Straumann D (2002) Otolith effect on torsional quick phases of vestibular nystagmus in humans. *Ann NY Acad Sci* 956: 572-573 (IF: 2.303)
 116. Straumann D, Müri RM, Hess K (2002) Neurootologie. In: Hess K, Steck AJ (eds) Neurologie-Kompendium. Hans Huber: Bern, pp 355-372 (IF: -)
 117. Straumann D (2002) Efferente Neuroophthalmologie (Okulomotorik). In: Hess K, Steck AJ (eds) Neurologie-Kompendium. Hans Huber: Bern, pp 389-402 (IF: -)
 118. Weber KP, Palla A, Landau K, Haslwanter T, Straumann D (2003) Incomitance of ocular rotation axes in trochlear nerve palsy. *Ann NY Acad Sci* 1004: 347-351 (IF: 2.303)
 119. Marti S, Palla A, Straumann D (2003) Barbecue whole-body position modulates cerebellar downbeat nystagmus. *Ann NY Acad Sci* 1004: 490-491 (IF: 2.303)
 120. Palla A, Widmer U, Straumann D (2003) Head-impulse testing in Fabry disease - vestibular function in male and female patients. *Acta Paediatr Suppl* 443: 38-42 (IF: -)

121. Palla A, Bockisch CJ, Bergamin O, Straumann D (2005) Residual torsion following ocular counterroll. *Ann NY Acad Sci* 1039, 81-87 (IF: 2.303)
122. Marti S, Straumann D, Glasauer S (2005) The origin of downbeat nystagmus: an asymmetry in the distribution of on-directions of vertical gaze-velocity Purkinje cells. *Ann NY Acad Sci* 1039, 548-553 (IF: 2.303)
123. Straumann D, Schmid-Priscoveanu A, Palla A (2005) Klinische Relevanz des apparativen Kopfpulstests. In: Westhofen M (ed) *Vestibularisfunktion*. Thieme: Wien, pp 169-173 (IF: -)
124. Gassmann NB, Hegemann S, Straumann D (2006) Kalorik und quantitativer Kopfpulstest (KIT) im Vergleich. *Schweiz Med Forum* 6 (Suppl 29): 134S-135S (IF: -)
125. Straumann D, Bockisch CJ, Weber KP (2008) Dynamic aspects of trochlear nerve palsy. *Prog Brain Res* 171: 53-58 (IF: 3.253)
126. Marti S, Tarnutzer AA, Palla A, Straumann D (2008) Preserved otolith function in patients with cerebellar atrophy and bilateral vestibulopathy. *Prog Brain Res* 171: 211-214 (IF: 3.253)
127. Bertolini G, Bockisch CJ, Straumann D, Zee DS, Ramat S (2008) Do humans show velocity-storage in the vertical rVOR? *Prog Brain Res* 171: 207-210 (IF: 3.253)
128. Olasagasti I, Bockisch JC, Zee DS, Straumann D (2008) Cyclovergence evoked by up-down acceleration along longitudinal axis in humans. *Prog Brain Res* 171: 319-322 (IF: 3.253)
129. Tarnutzer AA, Marti S, Straumann D (2008) Gravity perception in cerebellar patients. *Prog Brain Res* 171: 369-372 (IF: 3.253)
130. Palla A, Tatalias M, Straumann D (2008) Hysteresis effects of the subjective visual vertical. *Prog Brain Res* 171: 271-275 (IF: 3.253)
131. Laurens J, Hess BJM, Straumann D (2008) Geometrical considerations on canal-otolith interactions during OVAR and Bayesian modelling. *Prog Brain Res* 171: 287-290 (IF: 3.253)
132. Bertolini G, Bockisch CJ, Straumann D, Zee DS, Ramat S (2008) Estimating the time constant of pitch rVOR by separation of otoliths and semicircular canals contributions. *Conf Proc IEEE Eng Med Biol Soc* 1: 1060-1063 (IF: -)
133. Straumann D, Schmid-Priscoveanu A, Studer A, Hess K, Palla A (2009) Progressive vestibular impairment in patients with polyneuropathy. *Ann NY Acad Sci* 1164: 239-241 (IF: 2.303)

134. Spiegel R, Rettinger N, Kalla R, Lehen N, Straumann D, Brandt T, Glasauer S, Strupp M (2009) The intensity of downbeat nystagmus during daytime. *Ann NY Acad Sci* 1164: 293-299 (IF: 2.303)
135. Palla A, Straumann D, Tarnutzer AA (2010) Otolith testing: roll plane disorders. In: Eggers SDZ, Zee DS (eds.) *Vertigo and imbalance: clinical neurophysiology of the vestibular system. Handbook of clinical neurophysiology vol. 9*: 201-216 (IF: -)

D. Other publications

136. Straumann D (1989) Sogenannte Minussymptome bei chronischer Schizophrenie. Inauguraldissertation zur Erlangung der Doktorwürde der Medizinischen Fakultät der Universität Zürich (Dissertation) (IF: -)
137. Straumann D (1997) Physiological and pathophysiological properties of three-dimensional ocular kinematics. Habilitationsschrift zur Erlangung der Venia legendi an der Medizinischen Fakultät der Universität Zürich (Habilitation) (IF: -)
138. Straumann D (1999) In memoriam Volker Henn 1943-1997. *J Vestib Res* 9: 155 (IF: 0.565)
139. Straumann D (2003) Der schleichende Abstieg des Gesundheitswesens in der Schweiz. *Bulletin der Vereinigung Schweizerischer Hochschuldozenten* 29 (2/3): 42-45 (IF: -)
140. Hegemann S, Rufer M, Straumann D (2006) Schwindel und Gleichgewichtsstörungen als interdisziplinäre Herausforderung. *Neurology.ch* 06.3: 1-4 (IF: -)
141. Straumann D (2007) Die Bedeutung der Primatenforschung für die klinische Neurologie. *BioFokus* 75: 8-10 (IF: -)
142. Weber KP, Straumann D (2008) Akute Doppelbilder. *Neurology.ch* 08.1: 2-3 (IF: -)

Selected reprints

<http://www.vertigocenter.ch/straumann/reprints.htm>