**Vestibular Research Laboratory**

**Publication list**

## Publications since 1991

### Chapters in Books

1. Curthoys IS, MacDougall HG, McGarvie LA, Weber KP, Szmulewicz D, Manzari L, Burgess AM, Halmagyi GM (2014) The Video Head Impulse Test (vHIT). In: Jacobson GP, Shepard NT (eds) [Balance Function Assessment and Management.](https://www.pluralpublishing.com/publication_bfam2e.htm) 2nd edition. Chapter 16, pp 391-430. (Plural Publishing, San Diego, CA).
2. Vidal PP, Cullen K, Curthoys IS, Du Lac S, Holstein G, Idoux E, Lysakowski A, Peusner K, Sans A, Smith P (2014) [The Vestibular System.](http://dx.doi.org/10.1016/B978-0-12-374245-2.00028-0) In: Paxinos G (ed) [The Rat Nervous System.](http://www.sciencedirect.com/science/book/9780123742452) 4th edition. Chapter 28, pp 805-864. (Academic Press, London)  
   DOI: 10.1016/B978-0-12-374245-2.00028-0
3. Curthoys IS, Halmagyi GM (2014) [Vestibular compensation – recovery after unilateral vestibular loss.](http://fadavispt.mhmedical.com/content.aspx?bookid=1878&sectionid=140995935) In: Herdman S, Clendaniel RA (eds) [Vestibular Rehabilitation.](http://fadavispt.mhmedical.com/content.aspx?bookid=1878) 4th edition. Chapter 8, pp 121-150. (F. A. Davis, Philadelphia)
4. Halmagyi GM, Curthoys IS (2014) [Otolith Function Tests.](http://fadavispt.mhmedical.com/content.aspx?bookid=1878&sectionid=140996328) In: Herdman S, Clendaniel RA (eds) [Vestibular Rehabilitation.](http://fadavispt.mhmedical.com/content.aspx?bookid=1878) 4th edition. Chapter 12, pp 195-226. (F. A. Davis, Philadelphia)
5. Curthoys I, MacDougall H (2013) [Vestibular, Eye Movement Testing.](http://www.springerreference.com/docs/html/chapterdbid/349070.html) In Jaeger D, Jung R (eds) Encyclopedia of Computational Neuroscience:[SpringerReference](http://www.springerreference.com/). Springer-Verlag Berlin Heidelberg.  
   DOI: 10.1007/SpringerReference\_349070
6. Curthoys I (2013) [Vestibular otoliths, response to vibration and sound.](http://www.springerreference.com/docs/html/chapterdbid/348220.html) In Jaeger D, Jung R (eds) Encyclopedia of Computational Neuroscience:[SpringerReference](http://www.springerreference.com/). Springer-Verlag Berlin Heidelberg.  
   DOI: 10.1007/SpringerReference\_348220
7. Curthoys IS, Manzari L (2013) [Otolithic disease: clinical features and the role of vestibular evoked myogenic potentials.](https://www.thieme-connect.com/ejournals/abstract/10.1055/s-0033-1354595) [Seminars in Neurology,](https://www.thieme-connect.com/ejournals/journal/10.1055/s-00000071) 33 [(03):](https://www.thieme-connect.com/ejournals/issue/10.1055/s-003-25670) 231-237. Guest editor, Terry D. Fife. (Thieme, NY)  
   DOI: 10.1055/s-0033-1354595.
8. Curthoys IS, Halmagyi GM (2013) Multisensory interaction and vestibular compensation. In: Bronstein A (ed) Oxford Textbook of Vertigo and Imbalance, Chapter 6, pp 63-68. (Oxford University Press, Oxford).  
   DOI: 10.1093/med/9780199608997.003.0006
9. Halmagyi GM, Curthoys IS (2013) Clinical anatomy and physiology of the vestibular system. In: Bronstein A (ed) Oxford Textbook of Vertigo and Imbalance, Chapter 8, pp 79-92. (Oxford University Press, Oxford).  
   DOI: 10.1093/med/9780199608997.003.0008
10. Curthoys IS, MacDougall HG, Manzari L, Burgess AM, Bradshaw AP, McGarvie L, Halmagyi GM, Weber KP (2011) Klinische Anwendung eines objektiven Tests zur Prüfung der dynamischen Bogengangsfunktion – der Video-Kopfimpuls-Test (vHIT). In: Iro H, Waldfahrer F (eds) [Vertigo – Kontroverses und Bewährtes.](http://www.springer.com/medicine/otorhinolaryngology/book/978-3-7091-0735-5) 8, Hennig-Symposium, pp 53-62. (Springer, Vienna).
11. Aw ST, Todd MJ, Curthoys IS, Aw GE, McGarvie LA, Halmagyi GM (2010) [Vestibulo-ocular responses to sound, vibration and galvanic stimulation.](http://dx.doi.org/10.1016/S1567-4231(10)09013-1) In: Eggers SDZ, Zee DS (eds) Vertigo and Imbalance: Clinical Neurophysiology of the Vestibular System. Elsevier. [Handbook of Clinical Neurophysiology,](http://www.sciencedirect.com/science/bookseries/15674231) Vol. 9, Chapter 13, 165-180.  
    DOI: 10.1016/S1567-4231(10)09013-1
12. Halmagyi GM, Weber KP, Aw ST, Todd MJ, Curthoys IS (2009) [Impulsive testing of semicircular canal function.](http://www.springerlink.com/content/wr8q66txw534w128/) In: Kaga K, Starr A (eds) [Neuropathies of the Auditory and Vestibular Eighth Cranial Nerves.](http://www.springer.com/medicine/otorhinolaryngology/book/978-4-431-09432-6) Part IV, pp 93-109. (Springer, Tokyo). DOI: 10.1007/978-4-431-09433-3\_11
13. Halmagyi GM, Weber KP, Aw ST, Todd MJ, Curthoys IS (2008) [Impulsive testing of semicircular canal function.](http://dx.doi.org/10.1016/S0079-6123(08)00625-0) In: Kennard C, Leigh RJ (eds) [Using Eye Movements as an Experimental Probe of Brain Function.](http://www.elsevier.com/wps/find/bookdescription.cws_home/716618/description) [Progress in Brain Research,](http://www.elsevier.com/wps/find/bookseriesdescription.cws_home/BS_PBR/description) volume 171, chapter 3.6, pp 187-194. ISBN 9780444531636. (Elsevier, Amsterdam). DOI: 10.1016/S0079-6123(08)00625-0
14. Weber KP, Aw ST, Todd MJ, McGarvie LA, Pratap S, Curthoys IS, Halmagyi GM (2008) [Inter-ocular differences of the horizontal vestibulo-ocular reflex during impulsive testing.](http://dx.doi.org/10.1016/S0079-6123(08)00626-2) In: Kennard C, Leigh RJ (eds) [Using Eye Movements as an Experimental Probe of Brain Function.](http://www.elsevier.com/wps/find/bookdescription.cws_home/716618/description) [Progress in Brain Research,](http://www.elsevier.com/wps/find/bookseriesdescription.cws_home/BS_PBR/description) volume 171, chapter 3.7, pp 195-198. (Elsevier, Amsterdam). DOI: 10.1016/S0079-6123(08)00626-2
15. Halmagyi GM, Thurtell MJ, Curthoys IS (2008) [Vertigo — clinical syndromes.](http://dx.doi.org/10.1201/b15118-301) In Gleeson MJ, Jones NS, Burton MJ, Clarke R, Browning G, Luxon L, Lund V, Hibbert J, Watkinson J (eds), [Scott Brown’s Otorhinolaryngology, Head and Neck Surgery, 7th edition.](http://www.scottbrownent.com/) London: Hodder Arnold, volume 3, chapter 240c, pp 3748-3790. ISBN 9780340808931.  
    DOI: 10.1201/b15118-301
16. Curthoys IS, Halmagyi GM (2007) Vestibular compensation: clinical changes in vestibular function with time after unilateral vestibular loss. In: Herdman S (ed) Vestibular Rehabilitation (3rd edition). Philadelphia: FA Davis, 76-97
17. Halmagyi GM, Curthoys IS (2007) Otolith function tests. In: Herdman S (ed) Vestibular Rehabilitation (3rd edition). Philadelphia: FA Davis, 144-161
18. Curthoys I, Büki B (2006) Physiologische Grundlagen. In: Büki B, Jünger H (eds) Gleichgewichtsstörungen: Moderne Diagnostik, neue Krankheitsbilder. Budapest: Medicina, 11-31
19. Halmágyi GM, Curthoys I (2006) Beidseitiger Vestibularisausfall. In: Büki B, Jünger H (eds) Gleichgewichtsstörungen: Moderne Diagnostik, neue Krankheitsbilder. Budapest: Medicina, 166-177
20. Halmagyi GM, Cremer PD, Curthoys IS (2003) Peripheral vestibular disorders and diseases in adults. In: Luxon LM, Furman JM, Martini A, Stephens D (eds) Textbook of Audiological Medicine: Clinical Aspects of Hearing and Balance. London: Martin Dunitz, 797-818
21. Curthoys IS, Halmagyi GM (2000) Clinical changes in vestibular function with time after unilateral vestibular loss (uVD). In Herdman S (ed) Vestibular Rehabilitation 2nd Ed. Philadelphia: Davis, 172-194
22. Halmagyi GM, Curthoys IS (2000) Otolith function tests. In Herdman S (ed) Vestibular Rehabilitation 2nd Ed. Philadelphia: Davis, 195-214
23. Curthoys IS, Halmagyi GM (1999) [Vestibular compensation.](http://content.karger.com/ProdukteDB/produkte.asp?Doi=59059) In Büttner U (ed) Vestibular Dysfunction and its Therapy. Vol 55. Advances in Otorhinolaryngology. Basel: Karger, 82-110.  
    DOI: 10.1159/000059059
24. Curthoys IS, Halmagyi GM (1996) What is the neural basis of vestibular compensation? In: Baloh RW, Halmagyi GM (eds) Handbook of Clinical Neuro-otology; Vestibular Disorders. New York: Oxford University Press.
25. Halmagyi GM, Curthoys IS (1995) Visual symptoms of otolith dysfunction. In: Tusa RJ, Newman SA (eds) Neuro-ophthalmological Disorders. New York: M Dekker 197-223
26. Curthoys IS, Moore ST, Haslwanter T, Black RA, Smith ST (1994) Video procedures for the measurement and display of the three dimensions of eye movements. In: Ygge J, Lennerstrand G (eds) Eye Movements in Reading. London: Pergamon Press, 39-50
27. Halmagyi GM, Colebatch JG, Curthoys IS (1994) New tests of vestibular function. In: Baloh RW (ed) Neurotology. Baillière’s Clinical Neurology, International Practice and Research 3: 485-500
28. Halmagyi GM, Curthoys IS (1994) Clinical changes in the vestibular system with time after lesions. In: Herdman S (ed) Vestibular Rehabilitation. FA Davis: Philadelphia, 90-109
29. Halmagyi GM, Curthoys IS, Dai MJ (1993) Effects of unilateral vestibular neurectomy on human otolithic function. In: Sharpe JA, Barber HO (eds) The Vestibulo-ocular Reflex and Vertigo. New York: Raven Press, 89-104
30. Halmagyi GM, Curthoys IS, Aw S, Todd MJ (1993) The human vestibulo-ocular reflex after unilateral vestibular deafferentation. In: Sharpe JA, Barber HO (eds) The Vestibulo-ocular Reflex and Vertigo. New York: Raven Press, 45-54
31. Halmagyi GM, Curthoys IS, Dai MJ (1993) Diagnosis of unilateral otolith hypofunction. In: Arenberg IK (ed) Dizziness and Balance Disorders. Amsterdam: Kugler Publications, 345-360
32. Curthoys IS, Halmagyi GM (1992) [Brainstem neuronal correlates and mechanisms of vestibular compensation.](http://dx.doi.org/10.1159/000421400) In: Shimazu H, Shinoda Y (eds) [Vestibular and Brain Stem Control of Eye, Head and Body Movements.](https://www.karger.com/Book/Toc/222268) Tokyo: Japan Scientific Societies Press/Basel: S. Karger, 417-426.  
    DOI: 10.1159/000421400
33. Markham CH, Ohgaki T, Bak IJ, Curthoys IS (1992) [Physiology and anatomy of pause neurons and their role in eye movements.](http://dx.doi.org/10.1159/000421379) In: Shimazu H, Shinoda Y (eds) [Vestibular and Brain Stem Control of Eye, Head and Body Movements.](https://www.karger.com/Book/Toc/222268) Tokyo: Japan Scientific Societies Press/Basel: S. Karger, 157-166.  
    DOI: 10.1159/000421379
34. Curthoys IS, Halmagyi GM (1992) Behavioural and neural correlates of vestibular compensation. In: Brandt T, Büttner U (eds) Ocular Motor Disorders of the Brain Stem. Baillière’s Clinical Neurology 1: 345-372

### Papers in Refereed Journals

**2019**

1. Curthoys IS, Grant JW, Pastras CJ, Brown DJ, Burgess AM, Brichta AM, Lim R (2019) [A review of mechanical and synaptic processes in otolith transduction of sound and vibration for clinical VEMP testing.](http://www.physiology.org/doi/full/10.1152/jn.00031.2019) [Journal of Neurophysiology,](http://jn.physiology.org/) accepted 27 April 2019.  
   doi: 10.1152/jn.00031.2019
2. Dlugaiczyk J, Burgess AM, Goonetilleke S, Sokolic L, Curthoys IS (2019) Superior canal dehiscence syndrome: relating clinical findings with vestibular neural responses from a guinea pig model. [Otology & Neurotology,](http://otology-neurotology.com/) 40(4):e406-e414.  
   doi: 10.1097/MAO.0000000000001940
3. Mukherjee P, Cheng K, Curthoys I (2019) [Three-dimensional study of vestibular anatomy as it relates to the stapes footplate and its clinical implementations: an augmented reality development.](https://doi.org/10.1017/S0022215119000239) [Journal of Laryngology and Otology,](https://www.cambridge.org/core/journals/journal-of-laryngology-and-otology) accepted 5 November 2018.  
   DOI: 10.1017/S0022215119000239
4. Curthoys IS, Burgess AM, Goonetilleke SC (2019) [Phase-locking of irregular guinea pig primary vestibular afferents to high frequency (>250 Hz) sound and vibration.](https://doi.org/10.1016/j.heares.2018.12.009) Hearing Research 373:59-70.  
   DOI: 10.1016/j.heares.2018.12.009.

**2018**

1. Rey-Martinez J, Burgess AM, Curthoys IS (2018) [Enhanced vestibulo-ocular reflex responses on vHIT. Is it a casual finding or a sign of vestibular dysfunction?](https://doi.org/10.3389/fneur.2018.00866) (Case report.) [Frontiers in Neurology](http://journal.frontiersin.org/journal/neurology/section/neuro-otology) 9: 866.  
   DOI: 10.3389/fneur.2018.00866
2. Pastras CJ, Curthoys IS, Brown DJ (2018) [Dynamic response to sound and vibration of the guinea pig utricular macula, measured *in vivo* using Laser Doppler Vibrometry.](https://doi.org/10.1016/j.heares.2018.08.005) [Hearing Research](http://www.elsevier.com/locate/heares), 370:232-237.  
   DOI: 10.1016/j.heares.2018.08.005
3. Halmagyi GM, Curthoys IS (2018) [Adverse effects of a single dose of gentamicin.](https://doi.org/10.1111/bcp.13667) (Letter to the editor.) [British Journal of Clinical Pharmacology,](https://bpspubs.onlinelibrary.wiley.com/journal/13652125) accepted 4 June 2018.  
   DOI: 10.1111/bcp.13667
4. Curthoys IS, Grant JW, Burgess AM, Pastras CJ, Brown DJ, Manzari L (2018) [Otolithic Receptor Mechanisms for Vestibular-Evoked Myogenic Potentials: A Review.](https://doi.org/10.3389/fneur.2018.00366) [Frontiers in Neurology](http://journal.frontiersin.org/journal/neurology/section/neuro-otology) 9: 366.  
   DOI: 10.3389/fneur.2018.00366
5. Halmagyi GM, Curthoys IS (2018) [The video head impulse test in clinical practice.](http://nsnjournal.org/eng/makale/308/101/Full-Text) [Neurological Sciences and Neurophysiology,](http://nsnjournal.org/) 35: 1-5.  
   DOI: 10.5152/NSN.2018.0001 (article available free online)
6. Pastras CJ, Curthoys IS, Sokolic L, Brown DJ (2018) [Suppression of the Vestibular short-latency Evoked Potential by Electrical Stimulation of the Central Vestibular System.](http://dx.doi.org/10.1016/j.heares.2018.01.013) [Hearing Research](http://www.elsevier.com/locate/heares), 361: 23-35.  
   DOI: 10.1016/j.heares.2018.01.013

**2017**

1. Abdullah NA, Abdul Wahat NH, Curthoys IS, Abdullah A, Alias H (2017) [The feasibility of testing otoliths and semicircular canals function using VEMPs and vHIT in Malaysian children.](http://ejournal.ukm.my/jskm/article/view/17448) [Jurnal Sains Kesihatan Malaysia](http://ejournal.ukm.my/jskm/) 15 (2), 179-190.   
   DOI: 10.17576/JSKM-2017-1502-24
2. de Waele C, Shen Q, Magnani C, Curthoys IS (2017) [A novel saccadic strategy revealed by suppression head impulse testing of patients with bilateral vestibular loss.](http://journal.frontiersin.org/article/10.3389/fneur.2017.00419) [Frontiers in Neurology,](http://journal.frontiersin.org/journal/neurology/section/neuro-otology)8: 419.  
   DOI: 10.3389/fneur.2017.00419
3. Grant W, Curthoys I (2017) [Otoliths – Accelerometer and seismometer; Implications in Vestibular Evoked Myogenic Potential (VEMP).](http://dx.doi.org/10.1016/j.heares.2017.07.012) [Hearing Research](http://www.elsevier.com/locate/heares) 353: 26-35.  
   DOI: 10.1016/j.heares.2017.07.012
4. Pastras CJ, Curthoys IS, Brown DJ (2017) [In Vivo Recording of the Vestibular Microphonic in Mammals.](http://dx.doi.org/10.1016/j.heares.2017.07.015) [Hearing Research](http://www.elsevier.com/locate/heares), 354: 38-47.  
   DOI: 10.1016/j.heares.2017.07.015
5. Curthoys IS, Manzari L (2017) [Clinical application of the head impulse test of semicircular canal function.](http://dx.doi.org/10.1080/21695717.2017.1353774) [Hearing, Balance and Communication,](http://www.tandfonline.com/toc/ihbc20/current) 15(3): 113-126.  
   DOI: 10.1080/21695717.2017.1353774
6. Manzari L, Curthoys IS (2017) [New tests identify patterns of vestibular loss.](http://dx.doi.org/10.1016/j.clinph.2017.05.017) (Editorial) [Clinical Neurophysiology](http://www.sciencedirect.com/science/journal/13882457) 128: 1522-1523.  
   DOI: 10.1016/j.clinph.2017.05.017
7. Halmagyi GM, Chen L, MacDougall HG, Weber KP, McGarvie LA, Curthoys IS (2017) [The video head impulse test.](http://journal.frontiersin.org/article/10.3389/fneur.2017.00258/abstract) [Frontiers in Neurology,](http://journal.frontiersin.org/journal/neurology/section/neuro-otology) 8: 258.   
   DOI: 10.3389/fneur.2017.00258
8. Brown DJ, Pastras CJ, Curthoys IS (2017) [Electrophysiological measurements of peripheral vestibular function – a review of electrovestibulography.](http://journal.frontiersin.org/article/10.3389/fnsys.2017.00034/abstract) [Frontiers in Systems Neuroscience,](http://journal.frontiersin.org/journal/systems-neuroscience) 11: 34.  
   DOI: 10.3389/fnsys.2017.00034
9. Dumas G, Curthoys IS, Lion A, Perrin P, Schmerber S (2017) [The Skull Vibration-Induced Nystagmus Test of Vestibular Function – A Review.](http://dx.doi.org/10.3389/fneur.2017.00041) [Frontiers in Neurology,](http://journal.frontiersin.org/journal/neurology/section/neuro-otology) 8: 41.   
   DOI: 10.3389/fneur.2017.00041
10. Curthoys IS, MacDougall HG, Vidal PP, de Waele C (2017) [Sustained and transient vestibular systems: a physiological basis for interpreting vestibular function.](http://dx.doi.org/10.3389/fneur.2017.00117) [Frontiers in Neurology,](http://journal.frontiersin.org/journal/neurology/section/neuro-otology) 8: 117.   
    DOI: 10.3389/fneur.2017.00117
11. Cheng K, Mukherjee P, Curthoys I (2017) [Development and use of augmented reality and 3D printing in consulting patient with complex skull base cholesteatoma.](http://dx.doi.org/10.1080/17452759.2017.1310050) [Virtual and Physical Prototyping,](http://www.tandfonline.com/loi/nvpp20) 12 (3): 241-248.  
    DOI: 10.1080/17452759.2017.1310050
12. Chiarovano E, Wang W, Rogers SJ, MacDougall HG, Curthoys IS, de Waele C (2017) [Balance in Virtual Reality: Effect of Age and Bilateral Vestibular Loss.](http://dx.doi.org/10.3389/fneur.2017.00005) [Frontiers in Neurology,](http://journal.frontiersin.org/journal/neurology/section/neuro-otology) 8: 5.  
    DOI: 10.3389/fneur.2017.00005
13. Curthoys IS (2017) [The new vestibular stimuli: sound and vibration – anatomical, physiological and clinical evidence.](http://dx.doi.org/10.1007/s00221-017-4874-y) [Experimental Brain Research,](http://link.springer.com/journal/221) 235 (4): 957-972.  
    DOI: 10.1007/s00221-017-4874-y. [(Can be viewed for free on ReadCube)](http://rdcu.be/oRb5)
14. Mukherjee P, Eykamp K, Brown D, Curthoys I, Flanagan S, Biggs N, McNeill C, Gibson W (2017)[Cochlear implantation in Meniere’s disease with and without labyrinthectomy.](http://dx.doi.org/10.1097/MAO.0000000000001278) [Otology & Neurotology](http://www.psych.usyd.edu.au/vestibular/?page_id=14), 38 (2): 192-198.  
    DOI: 10.1097/MAO.0000000000001278

**2016**

1. Shen Q, Magnani C, Sterkers O, Lamas G, Vidal PP, Sadoun J, Curthoys IS, De Waele C.[Saccadic velocity in the new suppression head impulse test (SHIMP): a new indicator of horizontal vestibular canal paresis and of vestibular compensation.](http://journal.frontiersin.org/article/10.3389/fneur.2016.00160) [Frontiers in Neurology,](http://journal.frontiersin.org/journal/neurology/section/neuro-otology) 7: 160.  
   DOI: 10.3389/fneur.2016.00160
2. Brown DJ, Pastras CJ, Curthoys IS, Southwell CS, Van Roon L (2016) [Endolymph movement visualized with light sheet fluorescence microscopy in an acute hydrops model.](http://dx.doi.org/10.1016/j.heares.2016.06.007) [Hearing Research](http://www.elsevier.com/locate/heares), 339: 112-124.  
   DOI: 10.1016/j.heares.2016.06.007
3. MacDougall HG, McGarvie LA, Halmagyi GM, Rogers SJ, Manzari L, Burgess AM, Curthoys IS, Weber KP (2016) [A new saccadic indicator of peripheral vestibular function based on the video head impulse test.](http://www.neurology.org/content/87/4/410)  Neurology 87 (4): 410-418. [Link to the supplemental data.](http://www.neurology.org/content/87/4/410.short)  
   DOI: 10.1212/WNL.0000000000002827
4. Hitier M, Go S, Zhang YF, Zheng YW, Besnard S, Smith PF, Curthoys IS (2016) [Anatomy and surgical approach of rat’s vestibular sensors and nerves.](http://dx.doi.org/10.1016/j.jneumeth.2016.05.013)  Journal of Neuroscience Methods, 270: 1-8.  
   DOI: 10.1016/j.jneumeth.2016.05.013
5. March D, Brown D, Gray R, Curthoys I, Wong C, Higgins DP (2016) [Auditory anatomy of beaked whales and other odontocetes: potential for cochlear stimulation via a “vibroacoustic duct mechanism”](http://dx.doi.org/10.1111/mms.12287).  [Marine Mammal Science](http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1748-7692), 32 (2): 552-567.  
   DOI: 10.1111/mms.12287.
6. Brown DJ, Mukherjee P, Pastras C, Gibson WP, Curthoys IS (2016) [Sensitivity of the cochlear nerve to acoustic and electrical stimulation months after a vestibular labyrinthectomy in guinea pigs.](http://dx.doi.org/10.1016/j.heares.2016.01.017)  [Hearing Research](http://www.elsevier.com/locate/heares), 335: 18-24.  
   DOI: 10.1016/j.heares.2016.01.017
7. Manzari L, Curthoys IS (2016)  [How can air conducted sound be an otolithic stimulus and cause VEMPs?](http://www.sciencedirect.com/science/article/pii/S1388245715007105)  [Clinical Neurophysiology](http://www.sciencedirect.com/science/journal/13882457), 127 (1): 23-25.  Editorial.  
   DOI: 10.1016/j.clinph.2015.07.006.
8. Chiarovano E, Vidal PP, Magnani C, Lamas G, Curthoys IS, de Waele C (2016) [Absence of rotation perception during warm water caloric irrigation in some seniors with postural instability.](http://journal.frontiersin.org/article/10.3389/fneur.2016.00004)  [Frontiers in Neurology,](http://www.frontiersin.org/Neuro-Otology) 7: 4.  
   DOI: 10.3389/fneur.2016.00004
9. Curthoys IS, Vulovic V, Burgess AM, Sokolic L, Goonetilleke SC (2016) [The response of guinea pig primary utricular and saccular irregular neurons to bone-conducted vibration (BCV) and air-conducted sound (ACS)](http://dx.doi.org/10.1016/j.heares.2015.10.019).  [Hearing Research](http://www.elsevier.com/locate/heares), 331: 131-143.  
   DOI: 10.1016/j.heares.2015.10.019.

**2015**

1. Newman-Toker DE, Curthoys IS, Halmagyi GM (2015) [Diagnosing stroke in acute vertigo: the HINTS family of eye movement tests and the future of the “Eye ECG”](http://dx.doi.org/10.1055/s-0035-1564298).  [Seminars in Neurology](https://www.thieme-connect.com/products/ejournals/journal/10.1055/s-00000071), 35 (5): 506-521.  
   DOI: 10.1055/s-0035-1564298.
2. Chiarovano E, de Waele C, MacDougall HG, Rogers SJ, Burgess AM, Curthoys IS (2015) [Maintaining balance when looking at a virtual reality three dimensional display of a field of moving dots or at a virtual reality scene.](http://journal.frontiersin.org/article/10.3389/fneur.2015.00164) [Frontiers in Neurology,](http://www.frontiersin.org/Neuro-Otology) 6: 164.  
   DOI: 10.3389/fneur.2015.00164
3. McGarvie LA, MacDougall HG, Halmagyi GM, Burgess AM, Weber KP, Curthoys IS (2015) [The video head impulse test (vHIT) of semicircular canal function – age dependent normative values of VOR gain in healthy subjects.](http://journal.frontiersin.org/article/10.3389/fneur.2015.00154/abstract) [Frontiers in Neurology,](http://www.frontiersin.org/Neuro-Otology) 6: 154.  
   DOI: 10.3389/fneur.2015.00154
4. McGarvie LA, Curthoys IS, MacDougall HG, Halmagyi GM (2015) [What does the head impulse test versus caloric dissociation reveal about vestibular dysfunction in Ménière’s disease?](http://dx.doi.org/10.1111/nyas.12687) Annals of the New York Academy of Sciences, 1343 (1): 58-62.  
   DOI: 10.1111/nyas.12687
5. Manzari L, Burgess AM, MacDougall HG, Curthoys IS (2015) [Superior Canal Dehiscence reveals Concomitant Unilateral Utricular Loss (UUL).](http://dx.doi.org/10.3109/00016489.2014.999877) Acta Otolaryngologica 135 (6): 557-564.  
   DOI: 10.3109/00016489.2014.999877
6. McGarvie LA, Martínez López M, Burgess AM, MacDougall HG, Curthoys IS (2015) [Horizontal eye position affects measured vertical VOR gain on the video Head Impulse Test.](http://journal.frontiersin.org/article/10.3389/fneur.2015.00058/abstract) [Frontiers in Neurology,](http://www.frontiersin.org/Neuro-Otology) 6: 58.  
   DOI: 10.3389/fneur.2015.00058
7. Cornell ED, Burgess AM, MacDougall HG, Curthoys IS (2015) [Bone conducted vibration to the mastoid produces horizontal, vertical and torsional eye movements.](http://dx.doi.org/10.3233/VES-150550) [Journal of Vestibular Research,](http://www.jvr-web.org/) 25 (2): 91-96.  
   DOI: 10.3233/VES-150550
8. McGarvie LA, Curthoys IS, MacDougall HG, Halmagyi GM (2015) [What does the dissociation between the results of video head impulse versus caloric testing reveal about the vestibular dysfunction in Ménière’s disease?](http://dx.doi.org/10.3109/00016489.2015.1015606) Acta Oto-Laryngologica, 135 (9): 859-865.  
   DOI: 10.3109/00016489.2015.1015606
9. Curthoys IS, Grant JW (2015) [How does high frequency sound or vibration activate vestibular receptors?](http://dx.doi.org/10.1007/s00221-014-4192-6) [Experimental Brain Research,](http://link.springer.com/journal/221) 233 (3): 691-699.  
   DOI: 10.1007/s00221-014-4192-6
10. Curthoys IS, Manzari L (2015) [The oVEMP 10 years on – the neural evidence.](http://www.sciencedirect.com/science/article/pii/S1388245714003174) A reply to Todd “The ‘double dissociation’ is based on a circular logic” [Clinical Neurophysiology,](http://www.elsevier.com/locate/clinph) 126 (3): 645-646.  
    DOI: 10.1016/j.clinph.2014.06.006

**2014**

1. Manzari L, MacDougall HG, Burgess AM, Curthoys IS (2014) [Selective otolith dysfunctions objectively verified.](http://dx.doi.org/10.3233/VES-140537) [Journal of Vestibular Research,](http://www.jvr-web.org/) 24 (5-6), 365-373.  
   DOI: 10.3233/VES-140537
2. Curthoys IS, Burgess AM, McGarvie LA (2014) [What is the adequate stimulus for the oVEMP n10 to bone-conducted vibration? A reply to the letter by Todd and Colebatch (2014).](http://dx.doi.org/10.1097/AUD.0000000000000061) [Ear and Hearing,](http://journals.lww.com/ear-hearing/pages/default.aspx) 35 (4): 487-489.  
   DOI: 10.1097/AUD.0000000000000061
3. Curthoys IS, Vulovic V, Burgess AM, Manzari L, Sokolic L, Pogson J, Robins M, Mezey LE, Goonetilleke S, Cornell ED, MacDougall HG (2014) [The neural basis of new clinical vestibular tests: otolithic neural responses to sound and vibration.](http://dx.doi.org/10.1111/1440-1681.12222) Review. [Clinical and Experimental Pharmacology and Physiology,](http://onlinelibrary.wiley.com/journal/10.1111/%28ISSN%291440-1681) 41 (5): 371-380.  
   DOI: 10.1111/1440-1681.12222
4. Curthoys IS. [A “convenient” label causes confusion and controversy. A reply to N. Todd: “The ocular vestibular evoked myogenic potential (OVEMP), ten years old”.](http://www.sciencedirect.com/science/article/pii/S1388245714001357) Clinical Neurophysiology, 125 (12): 2446-2448.  
   DOI: 10.1016/j.clinph.2014.01.036.
5. Curthoys IS, Manzari L (2014) [Commentary on Luis et al “Spontaneous Plugging of the Horizontal Semicircular Canal With Reversible Canal Dysfunction and Recovery of Vestibular Evoked Myogenic Potentials (Otology and Neurotology 2013, DOI: 10.1097/MAO.0b013e318287f343)”](http://dx.doi.org/10.1097/MAO.0000000000000184) [Otology & Neurotology](http://otology-neurotology.com/), 35 (2): 377-379.  
   DOI: 10.1097/MAO.0000000000000184

**2013**

1. Manzari L, Burgess AM, MacDougall HG, Curthoys IS (2013) [Vestibular function after vestibular neuritis.](http://dx.doi.org/10.3109/14992027.2013.809485) Clinical note. [International Journal of Audiology,](http://informahealthcare.com/journal/ija) 52 (10): 713-718.  
   DOI: 10.3109/14992027.2013.809485
2. Manzari L, Burgess AM, McGarvie LA, Curthoys IS (2013) [An indicator of probable semicircular canal dehiscence-ocular vestibular evoked myogenic potentials to high frequency stimuli.](http://dx.doi.org/10.1177/0194599813489494)[Otolaryngology – Head and Neck Surgery,](http://oto.sagepub.com/) 149 (1): 143-146.  
   DOI: 10.1177/0194599813489494
3. Burgess AM, Mezey LE, Manzari L, MacDougall HG, McGarvie LA, Curthoys IS (2013) [Effect of stimulus rise-time on the ocular vestibular-evoked myogenic potential to bone conducted vibration.](http://dx.doi.org/10.1097/AUD.0b013e318294e3d2) [Ear and Hearing,](http://journals.lww.com/ear-hearing/pages/default.aspx) 34 (6): 799-805.  
   DOI: 10.1097/AUD.0b013e318294e3d2
4. MacDougall HG, McGarvie LA, Halmagyi GM, Curthoys IS, Weber KP (2013) [The video head impulse test (vHIT) detects vertical semicircular canal dysfunction.](http://dx.doi.org/10.1371/journal.pone.0061488)PLoS One 8 (4): e61488.  
   DOI: 10.1371/journal.pone.0061488
5. MacDougall HG, McGarvie LA, Halmagyi GM, Curthoys IS, Weber KP (2013) [Application of the video head impulse test to detect vertical semicircular canal dysfunction.](http://dx.doi.org/10.1097/MAO.0b013e31828d676d) Commentary. [Otology & Neurotology](http://otology-neurotology.com/), 34 (6): 974-979.  
   DOI: 10.1097/MAO.0b013e31828d676d
6. Chihara Y, Curthoys IS, Wong C, Brown D (2013) [The Effect of Systemic Administration of Desmopressin on Cochlear Function in Guinea Pigs.](http://dx.doi.org/10.3109/00016489.2013.771282) [Acta Oto-Laryngologica,](http://informahealthcare.com/oto) 133 (7): 676-684.  
   DOI: 10.3109/00016489.2013.771282
7. Manzari L, MacDougall HG, Burgess AM, Curthoys IS (2013) [New, fast, clinical vestibular tests identify whether a vertigo attack is due to early Meniere’s Disease or vestibular neuritis.](http://dx.doi.org/10.1002/lary.23479)Laryngoscope 123 (2): 507-511  
   DOI: 10.1002/lary.23479
8. Brown DJ, Chihara Y, Curthoys IS, Wang Y, Bos M (2013) [Changes in cochlear function during acute endolymphatic hydrops development in guinea pigs.](http://www.sciencedirect.com/science/article/pii/S0378595512002973)[Hearing Research](http://www.elsevier.com/locate/heares) 296: 96-106.  
   DOI: 10.1016/j.heares.2012.12.004
9. Wong CC, Curthoys IS, O’Leary SJ, Jones AS (2013) [Heavy metal staining, a comparative assessment of gadolinium chloride and osmium tetroxide for inner ear labyrinthine contrast enhancement using X-ray microtomography.](http://dx.doi.org/10.3109/00016489.2012.715751) [Acta Oto-Laryngologica](http://informahealthcare.com/oto) 133 (1): 22-27.  
   DOI: 10.3109/00016489.2012.715751

**2012**

1. Manzari L, Burgess AM, Curthoys IS (2012) [Does unilateral utricular dysfunction cause horizontal spontaneous nystagmus?](http://dx.doi.org/10.1007/s00405-012-2127-z) [European Archives of Oto-Rhino-Laryngology and Head & Neck](http://www.springerlink.com/content/0937-4477/), 269 (11), 2441-2445.  
   DOI: 10.1007/s00405-012-2127-z
2. Curthoys IS, Vulovic V, Sokolic L, Pogson J, Burgess AM (2012) [Irregular primary otolith afferents from the guinea pig utricular and saccular maculae respond to both bone conducted vibration and to air conducted sound.](http://dx.doi.org/10.1016/j.brainresbull.2012.07.007) [Brain Research Bulletin,](http://www.journals.elsevier.com/brain-research-bulletin/) 89 (1-2), 16-21.  
   DOI: 10.1016/j.brainresbull.2012.07.007
3. Curthoys IS, MacDougall HG (2012) [What galvanic vestibular stimulation actually activates.](http://www.frontiersin.org/Neuro-Otology/10.3389/fneur.2012.00117/abstract)[Frontiers in Neuro-otology,](http://www.frontiersin.org/neuro-otology) 3:117.  
   DOI: 10.3389/fneur.2012.00117
4. Curthoys IS (2012) [The interpretation of clinical tests of peripheral vestibular function.](http://onlinelibrary.wiley.com/doi/10.1002/lary.23258/abstract) [The Laryngoscope,](http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%291531-4995) 122 (6): 1342-1352.  
   DOI: 10.1002/lary.23258
5. Manzari L, Burgess AM, McGarvie LA, Curthoys IS (2012) [Ocular and cervical vestibular-evoked myogenic potentials to 500Hz Fz bone conducted vibration in superior semicircular canal dehiscence.](http://dx.doi.org/10.1097/AUD.0b013e3182498c09) [Ear and Hearing,](http://journals.lww.com/ear-hearing/pages/default.aspx) 33 (4): 508-520.  
   DOI: 10.1097/AUD.0b013e3182498c09
6. Manzari L, Burgess AM, Curthoys IS (2012) [Ocular and cervical vestibular-evoked myogenic potentials to bone conducted vibration in patients with probable inferior vestibular neuritis.](http://dx.doi.org/10.1017/S0022215112000692)Journal of Laryngology and Otology, 126 (07), 683-691.  
   DOI: 10.1017/S0022215112000692
7. Mukherjee P, Uzun-Coruhlu H, Wong CC, Curthoys IS, Jones AS, Gibson WPR (2012) [Assessment of intracochlear trauma caused by the insertion of a new straight research array.](http://www.ingentaconnect.com/content/maney/cii/2012/00000013/00000003/art00005)[Cochlear Implants International,](http://www.ingentaconnect.com/content/maney/cii) 13 (3): 156-162.  
   DOI: 10.1179/1754762811Y.0000000013
8. Manzari L, Burgess AM, MacDougall HG, Curthoys IS (2012) [Objective measures of vestibular function during an acute vertigo attack in a very young child.](http://dx.doi.org/10.1007/s00405-012-2045-0)[European Archives of Oto-Rhino-Laryngology and Head & Neck](http://www.springerlink.com/content/0937-4477/), 269:2589-2592.  
   DOI: 10.1007/s00405-012-2045-0
9. Curthoys IS, Vulovic V, Manzari L (2012) Ocular vestibular-evoked myogenic potential (oVEMP) to test utricular function: neural and oculomotor evidence. [Acta Otorhinolaryngologica Italica](http://www.actaitalica.it/), 32: [(1)](http://www.actaitalica.it/issues/2012/1-12/1-2012.htm):41-45. [(Free on PubMed Central)](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3324959/)
10. MacDougall HG, Curthoys IS (2012) [Plasticity during vestibular compensation: the role of saccades.](http://www.frontiersin.org/neuro-otology/10.3389/fneur.2012.00021/abstract) [Frontiers in Neuro-otology,](http://www.frontiersin.org/neuro-otology) 3:21.  
    DOI: 10.3389/fneur.2012.00021
11. Manzari L, Burgess AM, Curthoys IS (2012) [Vestibular function in Lermoyez syndrome at attack.](http://dx.doi.org/10.1007/s00405-011-1657-0)[European Archives of Oto-Rhino-Laryngology and Head & Neck,](http://www.springerlink.com/content/0937-4477/)269 (2): 685-691.  
    DOI: 10.1007/s00405-011-1657-0
12. Manzari L, Burgess AM, Curthoys IS (2012) [Is it possible to measure peripheral vestibular function in a patient with congenital nystagmus?](http://dx.doi.org/10.1007/s00405-011-1760-2) European Archives of Oto-Rhino-Laryngology and Head & Neck, 269 (1): 349-352.  
    DOI: 10.1007/s00405-011-1760-2
13. Dilda V, MacDougall HG, Curthoys IS, Moore ST (2012) [Effects of galvanic vestibular stimulation on cognitive function.](http://dx.doi.org/10.1007/s00221-011-2929-z) Experimental Brain Research, 216 (2): 275-285.  
    DOI: 10.1007/s00221-011-2929-z

**2011**

1. Manzari L, Burgess AM, MacDougall HG, Curthoys IS (2011) [Objective verification of full recovery of dynamic vestibular function after superior vestibular neuritis.](http://dx.doi.org/10.1002/lary.22227)[The Laryngoscope,](http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%291531-4995)121(11): 2496-2500.  
   DOI: 10.1002/lary.22227
2. Curthoys IS, Vulovic V, Burgess AM, Cornell ED, Mezey LE, MacDougall HG, Manzari L, McGarvie LA (2011) [The basis for using bone conducted vibration or air conducted sound to test otolithic function.](http://dx.doi.org/10.1111/j.1749-6632.2011.06147.x) [Annals of the New York Academy of Sciences,](http://www.nyas.org/Publications/Annals/Default.aspx) [1233:](http://dx.doi.org/10.1111/nyas.2011.1233.issue-1) 231-241.  
   DOI: 10.1111/j.1749-6632.2011.06147.x
3. Vulovic V, Curthoys IS (2011) [Bone conducted vibration activates the vestibulo-ocular reflex in the guinea pig.](http://www.sciencedirect.com/science/article/pii/S0361923011001948) [Brain Research Bulletin,](http://www.sciencedirect.com/science/journal/03619230) 86 (1-2): 74-81.  
   DOI: 10.1016/j.brainresbull.2011.06.013
4. Curthoys IS (2011) [A red thread as a guide in the vestibular labyrinth.](http://jp.physoc.org/content/589/6/1241.full) Editorial, [Journal of Physiology,](http://jp.physoc.org/) 589 (6): 1241. [(Free on PubMed Central)](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3082083/)  
   DOI: 10.1113/jphysiol.2011.206763
5. Curthoys IS, Manzari L (2011) [Evidence Missed: Ocular Vestibular-Evoked Myogenic Potential and Cervical Vestibular-Evoked Myogenic Potential Differentiate Utricular from Saccular Function.](http://dx.doi.org/10.1177/0194599810397792) [Otolaryngology – Head and Neck Surgery,](http://oto.sagepub.com/) 144(5):751-752.  
   DOI: 10.1177/0194599810397792
6. Manzari L, Burgess AM, MacDougall HG, Curthoys IS (2011) [Enhanced otolithic function in semicircular canal dehiscence.](http://dx.doi.org/10.3109/00016489.2010.507780) [Acta Oto-Laryngologica,](http://informahealthcare.com/oto) 131 (1): 107-112.  
   DOI: 10.3109/00016489.2010.507780
7. Manzari L, Burgess AM, MacDougall HG, Bradshaw AP, Curthoys IS (2011) [Rapid fluctuations in dynamic semicircular canal function in early Meniere’s disease.](http://dx.doi.org/10.1007/s00405-010-1442-5)European Archives of Oto-Rhino-Laryngology, 268 (4): 637-639.  
   DOI: 10.1007/s00405-010-1442-5
8. Curthoys IS, Vulovic V (2011) [Vestibular primary afferent responses to sound and vibration in the guinea pig.](http://dx.doi.org/10.1007/s00221-010-2499-5) Experimental Brain Research, 210 (3-4): 347-352.  
   DOI: 10.1007/s00221-010-2499-5
9. Mukherjee P, Uzun-Coruhlu H, Curthoys IS, Jones AS, Bradshaw AP, Pohl DV (2011) [Three dimensional analysis of the vestibular end organs in relation to the stapes footplate and piston placement.](http://dx.doi.org/10.1097/MAO.0b013e3182096ddd) [Otology & Neurotology](http://otology-neurotology.com/), 32 (3): 367-372.  
   DOI: 10.1097/MAO.0b013e3182096ddd
10. Curthoys IS, Iwasaki S, Chihara Y, Ushio M, McGarvie LA, Burgess AM (2011) [The ocular vestibular-evoked myogenic potential to air-conducted sound; probable superior vestibular nerve origin.](http://dx.doi.org/10.1016/j.clinph.2010.07.018) [Clinical Neurophysiology,](http://www.elsevier.com/locate/clinph) 122(3):611-616.  
    DOI: 10.1016/j.clinph.2010.07.018
11. Curthoys IS, Burgess AM, Iwasaki S, Chihara Y, Ushio M, McGarvie LA (2011) [Probability and the weight of evidence. Reply to Xie: “Comment on the ocular vestibular-evoked myogenic potential to air-conducted sound; probable superior vestibular nerve origin”.](http://dx.doi.org/10.1016/j.clinph.2010.10.047) Clinical Neurophysiology, 122 (6): 1269-1270.  
    DOI: 10.1016/j.clinph.2010.10.047

**2010**

1. Manzari L, Burgess AM, Curthoys IS (2010) [Dissociation between cVEMP and oVEMP responses: different vestibular origins of each VEMP?](http://dx.doi.org/10.1007/s00405-010-1317-9) European Archives of Oto-Rhino-Laryngology, 267 (9): 1487-1489.  
   DOI: 10.1007/s00405-010-1317-9
2. Manzari L, Burgess AM, Curthoys IS (2010) Effect of bone-conducted vibration of the midline forehead (Fz) in unilateral vestibular loss (uVL). Evidence for a new indicator of unilateral otolithic function. [Acta Otorhinolaryngologica Italica](http://www.actaitalica.it/), 30 (4): 175-181.
3. Manzari L, Tedesco A-R, Burgess AM, Curthoys IS (2010) [Ocular and cervical vestibular-evoked myogenic potentials to bone conducted vibration in Meniere’s disease during quiescence vs during acute attacks.](http://dx.doi.org/10.1016/j.clinph.2010.02.003) [Clinical Neurophysiology,](http://www.elsevier.com/locate/clinph) 121(7):1092-1101.  
   DOI: 10.1016/j.clinph.2010.02.003
4. Manzari L, Tedesco AR, Burgess AM, Curthoys IS (2010) [Ocular vestibular-evoked myogenic potentials to bone conducted vibration in superior vestibular neuritis show utricular function.](http://dx.doi.org/10.1016/j.otohns.2010.03.020)[Otolaryngology – Head and Neck Surgery,](http://oto.sagepub.com/) 143 (2): 274-280.  
   DOI: 10.1016/j.otohns.2010.03.020
5. Bradshaw AP, Curthoys IS, Todd MJ, Magnussen JS, Taubman DS, Aw ST, Halmagyi GM (2010) [A Mathematical Model Of Human Semicircular Canal Geometry: A New Basis For Interpreting Vestibular Physiology.](http://dx.doi.org/10.1007/s10162-009-0195-6) Journal of the Association for Research in Otolaryngology, 11 (2): 145-159.  
   DOI: 10.1007/s10162-009-0195-6 [(Free on PubMed Central)](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2862918/)
6. Curthoys IS (2010) [A critical review of the neurophysiological evidence underlying clinical vestibular testing using sound, vibration and galvanic stimuli.](http://dx.doi.org/10.1016/j.clinph.2009.09.027) [Clinical Neurophysiology,](http://www.elsevier.com/locate/clinph) 121 (2): 132-144.  
   DOI: 10.1016/j.clinph.2009.09.027
7. Curthoys IS (2010) [A balanced view of the evidence leads to sound conclusions.](http://dx.doi.org/10.1016/j.clinph.2010.01.025) A reply to J.G. Colebatch “Sound conclusions?” [Clinical Neurophysiology,](http://www.elsevier.com/locate/clinph)121(6):977-978.  
   DOI: 10.1016/j.clinph.2010.01.025
8. Iwasaki S, Murofushi T, Chihara Y, Ushio M, Suzuki M, Curthoys IS, Yamasoba T (2010) [Ocular vestibular evoked myogenic potentials to bone-conducted vibration in vestibular schwannomas.](http://journals.lww.com/otology-neurotology/Abstract/2010/01000/Ocular_Vestibular_Evoked_Myogenic_Potentials_to.25.aspx)Otology and Neurotology, 31(1):147-152.  
   DOI: 10.1097/MAO.0b013e3181c0e670
9. Halmagyi GM, Weber KP, Curthoys IS (2010) [Vestibular function after acute vestibular neuritis.](http://iospress.metapress.com/content/0536546lv2p752lw)[Restorative Neurology and Neuroscience,](http://www.iospress.nl/html/09226028.php) 28(1):37-46.  
   DOI: 10.3233/RNN-2009-0533.

**2009**

1. Curthoys IS, Manzari L, Smulders YE, Burgess AM (2009) [A review of the scientific basis and practical application of a new test of utricular function – ocular vestibular-evoked myogenic potentials to bone-conducted vibration.](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2816364/?report=abstract) [Acta Otorhinolaryngologica Italica](http://www.actaitalica.it/) 29(4):179-186. [(Free on PubMed Central)](http://www.ncbi.nlm.nih.gov/sites/ppmc/articles/PMC2816364/)
2. MacDougall HG, Weber KP, McGarvie LA, Halmagyi GM, Curthoys IS (2009) [The video head impulse test: Diagnostic accuracy in peripheral vestibulopathy.](http://dx.doi.org/10.1212/WNL.0b013e3181bacf85)[Neurology](http://www.neurology.org/) 73 (14): 1134-1141.  
   DOI: 10.1212/WNL.0b013e3181bacf85 [(Free on PubMed Central)](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2890997/)
3. Smulders YE, Welgampola MS, Burgess AM, McGarvie LA, Halmagyi GM, Curthoys IS (2009) [The n10 component of the ocular vestibular-evoked myogenic potential (oVEMP) is distinct from the R1 component of the blink reflex.](http://dx.doi.org/10.1016/j.clinph.2009.06.008) [Clinical Neurophysiology,](http://www.elsevier.com/locate/clinph) 120: 1567-1576.  
   DOI: 10.1016/j.clinph.2009.06.008
4. Cornell ED, Burgess AM, MacDougall HG, Curthoys IS (2009) [Vertical and horizontal eye movement responses to unilateral and bilateral bone conducted vibration to the mastoid.](http://dx.doi.org/10.3233/VES-2009-0338) [Journal of Vestibular Research,](http://www.jvr-web.org/) 19(1-2):41-47.  
   DOI 10.3233/VES-2009-0338
5. Weber KP, Aw ST, Todd MJ, McGarvie LA, Curthoys IS, Halmagyi GM (2009) [Horizontal head impulse test detects gentamicin vestibulotoxicity.](http://www.neurology.org/cgi/content/abstract/72/16/1417) [Neurology](http://www.neurology.org/)72(16): 1417-1424.  
   DOI: 10.1212/WNL.0b013e3181a18652
6. Iwasaki S, Chihara Y, Smulders YE, Burgess AM, Halmagyi GM, Curthoys IS, Murofushi T (2009) [The role of the superior vestibular nerve in generating ocular vestibular-evoked myogenic potentials to bone conducted vibration at Fz.](http://dx.doi.org/10.1016/j.clinph.2008.12.036) [Clinical Neurophysiology,](http://www.elsevier.com/locate/clinph) 120(3): 588-593.  
   DOI: 10.1016/j.clinph.2008.12.036
7. MacDougall HG, Moore ST, Black RA, Jolly N, Curthoys IS (2009) [On-road assessment of driving performance in bilateral vestibular-deficient patients.](http://www3.interscience.wiley.com/journal/122400811/abstract) [Annals of the New York Academy of Sciences,](http://www.nyas.org/annals/) [1164](http://www.nyas.org/annals/detail.asp?annalID=1061): 413-418.  
   DOI: 10.1111/j.1749-6632.2008.03733.x
8. Curthoys IS, Uzun-Coruhlu H, Wong CC, Jones AS, Bradshaw AP (2009) [The configuration and attachment of the utricular and saccular maculae to the temporal bone. New evidence from micro-CT studies of the membranous labyrinth.](http://www3.interscience.wiley.com/journal/122400758/abstract) [Annals of the New York Academy of Sciences,](http://www.nyas.org/annals/)[1164](http://www.nyas.org/annals/detail.asp?annalID=1061): 13-18.  
   DOI: 10.1111/j.1749-6632.2008.03729.x
9. Weber KP, MacDougall HG, Halmagyi GM, Curthoys IS (2009) [Impulsive testing of semicircular canal function using video-oculography.](http://www3.interscience.wiley.com/journal/122400782/abstract) [Annals of the New York Academy of Sciences,](http://www.nyas.org/annals/) [1164:](http://www.nyas.org/annals/detail.asp?annalID=1061)486-491.  
   DOI: 10.1111/j.1749-6632.2008.03730.x
10. Curthoys IS, Burgess AM, MacDougall HG, McGarvie LA, Halmagyi GM, Smulders YE, Iwasaki I (2009) [Testing human otolith function using bone-conducted vibration.](http://www3.interscience.wiley.com/journal/122400776/abstract) [Annals of the New York Academy of Sciences,](http://www.nyas.org/annals/) [1164](http://www.nyas.org/annals/detail.asp?annalID=1061): 344-346.  
    DOI: 10.1111/j.1749-6632.2008.03728.x

**2008**

1. Halmagyi GM, McGarvie LA, Curthoys IS (2008) [Sternomastoid evoked potentials in response to skull taps reveal two aspects of vestibular function.](http://dx.doi.org/10.1016/j.clinph.2008.06.005) (Editorial.)[Clinical Neurophysiology,](http://www.elsevier.com/locate/clinph) 119: 2177-2178.  
   DOI: 10.1016/j.clinph.2008.06.005
2. Iwasaki S, Smulders YE, Burgess AM, McGarvie LA, MacDougall HG, Halmagyi GM, Curthoys IS (2008) [Ocular vestibular evoked myogenic potentials to bone conducted vibration of the midline forehead at Fz in healthy subjects.](http://dx.doi.org/10.1016/j.clinph.2008.05.028) [Clinical Neurophysiology](http://www.elsevier.com/locate/clinph) 119(9): 2135-2147.  
   DOI: 10.1016/j.clinph.2008.05.028
3. Iwasaki S, Smulders YE, Burgess AM, McGarvie LA, MacDougall HG, Halmagyi GM, Curthoys IS (2008) [Ocular vestibular evoked myogenic potentials in response to bone-conducted vibration of the midline forehead at Fz: a new indicator of unilateral otolithic loss.](http://dx.doi.org/10.1159/000148203) [Audiology and Neurotology](http://content.karger.com/ProdukteDB/produkte.asp?Aktion=JournalHome&ProduktNr=224213) 13(6): 396-404.  
   DOI: 10.1159/000148203
4. Goonetilleke SC, Mezey LE, Burgess AM, Curthoys IS (2008) [On the relation between ocular torsion and visual perception of line orientation.](http://dx.doi.org/10.1016/j.visres.2008.03.012) Vision Research, 48 (13): 1488-1496.  
   DOI: 10.1016/j.visres.2008.03.012
5. Weber KP, Aw ST, Todd MJ, McGarvie LA, Curthoys IS, Halmagyi GM (2008) [Head impulse test in unilateral vestibular loss: vestibulo-ocular reflex and catch-up saccades.](http://www.neurology.org/cgi/content/abstract/70/6/454) [Neurology,](http://www.neurology.org/) 70 (6): 454-463.  
   DOI: 10.1212/01.wnl.0000299117.48935.2e
6. Cornell ED, Curthoys IS (2008) Eye Movements in Vestibular Function and Dysfunction: A Brief Review. [Australian Orthoptic Journal,](http://www.orthoptics.org.au/resources/australian-orthoptic-journal/) 40 (1): 8-12.

**2007**

1. Uzun-Coruhlu H, Curthoys IS, Jones AS (2007) [Attachment of the utricular and saccular maculae to the temporal bone.](http://dx.doi.org/10.1016/j.heares.2007.07.008) [Hearing Research,](http://www.elsevier.com/locate/heares) 233 (1-2): 77-85.  
   DOI: 10.1016/j.heares.2007.07.008
2. Iwasaki S, McGarvie LA, Halmagyi GM, Burgess AM, Kim J, Colebatch JG, Curthoys IS (2007) [Head taps evoke a crossed vestibulo-ocular reflex.](http://dx.doi.org/10.1212/01.wnl.0000259064.80564.21) [Neurology,](http://www.neurology.org/) 68 (15): 1227-1229.  
   DOI: 10.1212/01.wnl.0000259064.80564.21
3. Uzun H, Curthoys IS, Jones AS (2007) [A new approach to visualizing the membranous structures of the inner ear – high resolution X-ray microtomography.](http://www.informaworld.com/smpp/content~content=a778651945~db=all~order=page) [Acta Oto-Laryngologica,](http://informahealthcare.com/oto) 127 (6), 568-573.  
   DOI: 10.1080/00016480600951509.

**2006**

1. Curthoys IS, Kim J, McPhedran SK, Camp AJ (2006) [Bone conducted vibration selectively activates irregular primary otolithic vestibular neurons in the guinea pig.](http://www.springerlink.com/openurl.asp?genre=article&id=doi:10.1007/s00221-006-0544-1) [Experimental Brain Research,](http://link.springer.de/link/service/journals/00221/) 175 (2), 256-267.  
   DOI: 10.1007/s00221-006-0544-1
2. Curthoys IS (2004) [Peripheral vestibular responses to sound.](http://content.karger.com/ProdukteDB/produkte.asp?Aktion=ShowAbstract&ProduktNr=227097&Ausgabe=232377&ArtikelNr=96798) [Neuroembryology and Aging,](http://www.karger.com/nba) 3 (4): 207-214.  
   Published online: 3 November 2006. DOI: 10.1159/000096798
3. Aw ST, Todd MJ, Aw GE, Magnussen JS, Curthoys IS, Halmagyi GM (2006) [Click-evoked vestibulo-ocular reflex: stimulus response properties in superior canal dehiscence.](http://www.neurology.org/cgi/content/abstract/66/7/1079) [Neurology](http://www.neurology.org/) 66 (7): 1079-87.  
   DOI: 10.1212/01.wnl.0000204445.81884.c7
4. Moore ST, MacDougall HG, Peters BT, Bloomberg JJ, Curthoys IS, Cohen HS (2006) [Modeling locomotor dysfunction following spaceflight with Galvanic vestibular stimulation.](http://www.springerlink.com/openurl.asp?genre=article&id=doi:10.1007/s00221-006-0528-1) [Experimental Brain Research,](http://link.springer.de/link/service/journals/00221/) 174 (4): 647-59.  
   DOI: 10.1007/s00221-006-0528-1
5. Seizova-Cajic T, Sachtler WLB, Curthoys I (2006) [Eye movements cannot explain vibration-induced visual motion and motion aftereffect.](http://www.springerlink.com/openurl.asp?genre=article&id=doi:10.1007/s00221-006-0373-2) [Experimental Brain Research,](http://link.springer.de/link/service/journals/00221/) 173 (1): 141-52.  
   DOI: 10.1007/s00221-006-0373-2
6. MacDougall HG, Moore ST, Curthoys IS, Black FO (2006) [Modeling postural instability with Galvanic vestibular stimulation.](http://www.springerlink.com/openurl.asp?genre=article&id=doi:10.1007/s00221-005-0329-y) [Experimental Brain Research,](http://link.springer.de/link/service/journals/00221/) 172 (2): 208-20.  
   DOI: 10.1007/s00221-005-0329-y
7. Vibert N, Hoang T, Gilchrist DPD, MacDougall HG, Burgess AM, Roberts RD, Vidal PP, Curthoys IS (2006) [Psychophysiological correlates of the inter-individual variability of head movement control in seated humans.](http://dx.doi.org/10.1016/j.gaitpost.2005.04.006) Gait and Posture, 23(3):355-363.  
   DOI: 10.1016/j.gaitpost.2005.04.006

**2005**

1. Black RA, Halmagyi GM, Thurtell MJ, Todd MJ, Curthoys IS (2005) [The active head-impulse test in unilateral peripheral vestibulopathy.](http://archneur.ama-assn.org/cgi/content/abstract/62/2/290) [Archives of Neurology,](http://archneur.ama-assn.org/)62(2):290-293.
2. Halmagyi GM, Curthoys IS, Colebatch JG, Aw ST (2005) [Vestibular Responses to Sound.](http://www.annalsnyas.org/cgi/content/abstract/1039/1/54) [Annals of New York Academy of Sciences,](http://www.annalsnyas.org/) [1039:](http://www.annalsnyas.org/content/vol1039/issue1/) 54-67.  
   DOI: 10.1196/annals.1325.006
3. MacDougall HG, Brizuela AE, Burgess AM, Curthoys IS, Halmagyi GM (2005) [Patient and Normal 3-D eye-movement responses to maintained (DC) surface galvanic vestibular stimulation.](http://journals.lww.com/otology-neurotology/Abstract/2005/05000/Patient_and_Normal_Three_dimensional_Eye_Movement.30.aspx)[Otology & Neurotology,](http://otology-neurotology.com/) 26 (3): 500-511.  
   DOI: 10.1097/01.mao.0000169766.08421.ef
4. White F, Sartore G, Gallate J, Cartwright A, Curthoys I (2005) [Digital videotaping (DVT): evaluating an innovative mode of lecture delivery in psychology.](http://dx.doi.org/10.2304/plat.2005.5.1.23)Psychology Learning and Teaching, 5 (1): 23-31.  
   DOI: 10.2304/plat.2005.5.1.23

**2004**

1. Kim J, Curthoys IS (2004) [Responses of primary vestibular neurons to galvanic vestibular stimulation (GVS) in the anaesthetised guinea pig.](http://dx.doi.org/10.1016/j.brainresbull.2004.07.008) [Brain Research Bulletin](http://www.journals.elsevier.com/brain-research-bulletin/) 64 (3): 265-271.  
   DOI: 10.1016/j.brainresbull.2004.07.008
2. Ooi D, Cornell ED, Curthoys IS, Burgess AM, MacDougall HG (2004) [Convergence reduces ocular counterroll (OCR) during static roll-tilt.](http://dx.doi.org/10.1016/j.visres.2004.06.014) [Vision Research](http://www.sciencedirect.com/science/journal/00426989) 44 (24): 2825-2833.  
   DOI: 10.1016/j.visres.2004.06.014
3. Kim J (2004) [A simple pupil-independent method for recording eye movements in rodents using video.](http://dx.doi.org/10.1016/j.jneumeth.2004.04.016) [Journal of Neuroscience Methods,](http://www.sciencedirect.com/science/journal/01650270) 138 (1-2): 165-171.  
   DOI: 10.1016/j.jneumeth.2004.04.016
4. Goonetilleke SC, Curthoys IS, Burgess AM, MacDougall HG (2004) [Cognitive demand affects the gain of the torsional optokinetic response.](http://dx.doi.org/10.1007/s00221-004-1927-9) [Experimental Brain Research](http://link.springer.de/link/service/journals/00221/) 158 (1): 125-128.  
   DOI: 10.1007/s00221-004-1927-9
5. Mezey LE, Curthoys IS, Burgess AM, Goonetilleke SC, MacDougall HG (2004) [Changes in ocular torsion position produced by a single visual line rotating around the line of sight – visual “entrainment” of ocular torsion.](http://dx.doi.org/10.1016/j.visres.2003.09.026) [Vision Research](http://www.sciencedirect.com/science/journal/00426989) 44 (4): 397-406.  
   DOI: 10.1016/j.visres.2003.09.026

**2003**

1. Cornell ED, Macdougall HG, Predebon J, Curthoys IS (2003) [Errors of binocular fixation are common in normal subjects during natural conditions.](http://www.optvissci.com/pt/re/ovs/abstract.00006324-200311000-00014.htm) [Optometry and Vision Science](http://www.optvissci.com/) 80 (11): 764-771
2. Migliaccio AA, Cremer PD, Aw ST, Halmagyi GM, Curthoys IS, Minor LB, Todd MJ. [Vergence-mediated changes in the axis of eye rotation during the human vestibulo-ocular reflex can occur independent of eye position.](http://springerlink.metapress.com/app/home/contribution.asp?wasp=n49bcywqtq1xpl8pulft&referrer=parent&backto=issue,10,13;journal,29,174;linkingpublicationresults,1:100473,1) [Experimental Brain Research](http://link.springer.de/link/service/journals/00221/) 151 (2): 238-248.  
   DOI: 10.1007/s00221-003-1447-z
3. Cartwright AD, Gilchrist DPD, Burgess AM, Curthoys IS (2003) [A realistic neural network simulation of both slow and quick phase components of the guinea pig VOR.](http://dx.doi.org/10.1007/s00221-002-1361-9) [Experimental Brain Research](http://link.springer.de/link/service/journals/00221/) 149 (3): 299-311.  
   DOI: 10.1007/s00221-002-1361-9
4. Gilchrist DPD, Cartwright AD, Burgess AM, Curthoys IS (2003) [Behavioural characteristics of the quick phase of vestibular nystagmus before and after unilateral labyrinthectomy in guinea pig.](http://dx.doi.org/10.1007/s00221-002-1360-x)[Experimental Brain Research](http://link.springer.de/link/service/journals/00221/) 149 (3): 289-298.  
   DOI: 10.1007/s00221-002-1360-x
5. Halmagyi GM, Black RA, Thurtell MJ, Curthoys IS (2003) [The human horizontal vestibulo-ocular reflex in response to active and passive head impulses after unilateral vestibular deafferentation.](http://www.annalsnyas.org/cgi/content/abstract/1004/1/325)[Annals of the New York Academy of Sciences](http://www.annalsnyas.org/) [1004:](http://www.annalsnyas.org/content/vol1004/issue1/) 325-336.  
   DOI: 10.1196/annals.1303.030
6. Halmagyi GM, Curthoys IS (2003) [Pruebas de funcin otolitica.](http://www.unav.es/revistamedicina/47_4/otolitica.pdf) [Revista de Medicina (Universidad de Navarra)](http://www.unav.es/revistamedicina/default.html) [47 (4):](http://www.unav.es/revistamedicina/47_4/default.html) 29-37 [In Spanish.]
7. MacDougall HG, Brizuela AE, Curthoys IS (2003) [Linearity, symmetry and additivity of the human eye-movement response to maintained unilateral and bilateral surface galvanic (DC) vestibular stimulation.](http://springerlink.metapress.com/app/home/contribution.asp?wasp=3n259b5cwg3kth895xuq&referrer=parent&backto=issue\,4\,18;journal\,41\,174;linkingpublicationresults\,1:100473\,1) [Experimental Brain Research](http://link.springer.de/link/service/journals/00221/) 148 (2): 166-175.  
   DOI: 10.1007/s00221-002-1289-0

**2002**

1. Curthoys IS (2002) [Generation of the quick phase of horizontal vestibular nystagmus.](http://dx.doi.org/10.1007/s00221-002-1022-z)[Experimental Brain Research](http://link.springer.de/link/service/journals/00221/) 143 (4): 397-405.  
   DOI: 10.1007/s00221-002-1022-z
2. Halmagyi GM, Aw ST, Karlberg M, Curthoys IS, Todd MJ (2002) [Inferior vestibular neuritis.](http://dx.doi.org/10.1111/j.1749-6632.2002.tb02829.x)[Annals of the New York Academy of Sciences](http://www.annalsnyas.org/) 956: 306-313  
   DOI: 10.1111/j.1749-6632.2002.tb02829.x
3. MacDougall HG, Brizuela AE, Burgess AM, Curthoys IS (2002) [Between-subject variability and within-subject reliability of the human eye-movement response to bilateral galvanic (DC) vestibular stimulation.](http://dx.doi.org/10.1007/s00221-002-1038-4) [Experimental Brain Research](http://link.springer.de/link/service/journals/00221/) 144 (1): 69-78.  
   DOI: 10.1007/s00221-002-1038-4
4. MacDougall HG, Brizuela AE, Curthoys IS, Halmagyi GM (2002) [Three-dimensional eye-movement responses to surface galvanic vestibular stimulation in normal subjects and in patients – A comparison.](http://dx.doi.org/10.1111/j.1749-6632.2002.tb02878.x) [Annals of the New York Academy of Sciences](http://www.annalsnyas.org/) 956: 546-550  
   DOI: 10.1111/j.1749-6632.2002.tb02878.x

**2001**

1. Halmagyi GM, Aw ST, Cremer PD, Curthoys IS, Todd MJ (2001) [Impulsive testing of individual semicircular canal function.](http://dx.doi.org/10.1111/j.1749-6632.2001.tb03745.x) [Annals of the New York Academy of Sciences](http://www.annalsnyas.org/) 942: 192-200  
   DOI: 10.1111/j.1749-6632.2001.tb03745.x
2. Vibert N, MacDougall HG, de Waele C, Gilchrist DPD, Burgess AM, Sidis A, Migliaccio A, Curthoys IS, Vidal PP (2001) [Variability in the control of head movements in seated humans: a link with whiplash injuries?](http://dx.doi.org/10.1111/j.1469-7793.2001.0851e.x) [Journal of Physiology (Lond)](http://jp.physoc.org/) 532 (3): 851-868 [(Free on PubMed Central)](http://www.ncbi.nlm.nih.gov/sites/ppmc/articles/PMC2278578/)  
   DOI: 10.1111/j.1469-7793.2001.0851e.x

**2000**

1. Betts GA, Barone M, Karlberg M, MacDougall H, Curthoys IS (2000) [Neck muscle vibration alters visually perceived roll after unilateral vestibular loss.](http://dx.doi.org/10.1097/00001756-200008210-00011)[Neuroreport](http://www.neuroreport.com/) 11 (12): 2659-2662  
   DOI: 10.1097/00001756-200008210-00011
2. Cartwright AD, Cremer PD, Halmagyi GM, Curthoys IS (2000) [Isolated directional preponderance of caloric nystagmus: II. A neural network model.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=10912704) American Journal of Otology 21 (4): 568-572
3. Cremer PD, Migliaccio AA, Pohl DV, Curthoys IS, Davies L, Yavor RA, Halmagyi GM (2000) [Posterior semicircular canal nystagmus is conjugate and its axis is parallel to that of the canal.](http://www.neurology.org/cgi/content/abstract/54/10/2016)[Neurology](http://www.neurology.org/) 54 (10): 2016-2020
4. Curthoys IS (2000) [Vestibular compensation and substitution.](http://www.co-neurology.com/pt/re/coneuro/abstract.00019052-200002000-00006.htm) [Current Opinion in Neurology](http://www.co-neurology.com/) 13 (1): 27-30
5. Cuthbert PC, Gilchrist DP, Hicks SL, MacDougall HG, Curthoys IS (2000) [Electrophysiological evidence for vestibular activation of the guinea pig hippocampus.](http://dx.doi.org/10.1097/00001756-200005150-00018)[Neuroreport](http://www.neuroreport.com/) 11 (7): 1443-1447  
   DOI: 10.1097/00001756-200005150-00018
6. Gilchrist DPD, Curthoys IS, Burgess AM, Cartwright AD, Jinnouchi K, MacDougall HG, Halmagyi GM (2000) [Semicircular canal occlusion causes permanent VOR changes.](http://dx.doi.org/10.1097/00001756-200008030-00036) [Neuroreport](http://www.neuroreport.com/) 11 (11): 2527-2531  
   DOI: 10.1097/00001756-200008030-00036
7. Halmagyi GM, Cremer PD, Anderson J, Murofushi T, Curthoys IS (2000) [Isolated directional preponderance of caloric nystagmus: I. Clinical significance.](http://www.ncbi.nlm.nih.gov/pubmed/10912703)American Journal of Otology 21 (4): 559-567

**1999**

1. Aw ST, Halmagyi GM, Black RA, Curthoys IS, Yavor RA, Todd MJ (1999) [Head impulses reveal loss of individual semicircular canal function.](http://www.ncbi.nlm.nih.gov/pubmed/10436470) [Journal of Vestibular Research](http://www.jvr-web.org/) 9 (3): 173-180
2. Cartwright AD, Curthoys IS, Gilchrist DPD (1999) [Testable predictions from realistic neural network simulations of vestibular compensation: integrating the behavioral and physiological data.](http://dx.doi.org/10.1007/s004220050545) [Biological Cybernetics](http://link.springer.de/link/service/journals/00422/) 81 (1): 73-87.  
   DOI: 10.1007/s004220050545
3. Cremer PD, Migliaccio AA, Halmagyi GM, Curthoys IS (1999) [Vestibulo-ocular reflex pathways in internuclear ophthalmoplegia.](http://dx.doi.org/10.1002/1531-8249(199904)45:4%3C529::AID-ANA18%3E3.0.CO;2-H) [Annals of Neurology](http://www.interscience.wiley.com/jpages/0364-5134/) 45 (4): 529-532  
   DOI: 10.1002/1531-8249(199904)45:4<529::AID-ANA18>3.0.CO;2-H
4. Curthoys IS, Betts GA, Burgess AM, MacDougall HG, Cartwright AD, Halmagyi GM (1999) [The planes of the utricular and saccular maculae of the guinea pig.](http://dx.doi.org/10.1111/j.1749-6632.1999.tb09173.x)Annals of the New York Academy of Sciences 871: 27-34.  
   DOI: 10.1111/j.1749-6632.1999.tb09173.x
5. Halmagyi GM, Curthoys IS (1999)[Clinical testing of otolith function.](http://www.annalsnyas.org/cgi/content/abstract/871/1/195) [Annals of the New York Academy of Sciences](http://www.annalsnyas.org/) [871:](http://www.annalsnyas.org/content/vol871/issue1/) 195-204
6. MacDougall HG, Curthoys IS, Betts GA, Burgess AM, Halmagyi GM (1999) [Human ocular counterrolling during roll-tilt and centrifugation.](http://www.annalsnyas.org/cgi/content/abstract/871/1/173) [Annals of the New York Academy of Sciences](http://www.annalsnyas.org/)[871:](http://www.annalsnyas.org/content/vol871/issue1/) 173-180
7. Thurtell MJ, Black RA, Halmagyi GM, Curthoys IS, Aw ST (1999) [Vertical eye position-dependence of the human vestibuloocular reflex during passive and active yaw head rotations.](http://jn.physiology.org/cgi/content/abstract/81/5/2415)[Journal of Neurophysiology](http://jn.physiology.org/) 81 (5): 2415-2428

**1998**

1. Betts GA, Curthoys IS (1998) [Visually perceived vertical and visually perceived horizontal are not orthogonal.](http://dx.doi.org/10.1016/S0042-6989(97)00401-X) [Vision Research](http://www.sciencedirect.com/science/journal/00426989) 38 (13): 1989-1999.  
   DOI: 10.1016/S0042-6989(97)00401-X
2. Black RA, Halmagyi GM, Curthoys IS, Thurtell MJ, Brizuela AE (1998) [Unilateral vestibular deafferentation produces no long-term effects on human active eye-head coordination.](http://dx.doi.org/10.1007/s002210050524)[Experimental Brain Research](http://link.springer.de/link/service/journals/00221/) 122 (3): 362-366  
   DOI: 10.1007/s002210050524
3. Cremer PD, Halmagyi GM, Aw ST, Curthoys IS, McGarvie LA, Todd MJ, Black RA, Hannigan IP (1998) [Semicircular canal plane head impulses detect absent function of individual semicircular canals.](http://dx.doi.org/10.1093/brain/121.4.699) [Brain](http://brain.oupjournals.org/) 121 (4): 699-716  
   DOI: 10.1093/brain/121.4.699 ([article available free online](http://brain.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=9577395))
4. Curthoys IS, Haslwanter T, Black RA, Burgess AM, Halmagyi GM, Topple AN, Todd MJ (1998) [Off-center yaw rotation: effect of naso-occipital linear acceleration on the nystagmus response of normal human subjects and patients after unilateral vestibular loss.](http://dx.doi.org/10.1007/s002210050587) [Experimental Brain Research](http://link.springer.de/link/service/journals/00221/)123 (4): 425-438.  
   DOI: 10.1007/s002210050587
5. Gilchrist DPD, Curthoys IS, Cartwright AD, Burgess AM, Topple AN, Halmagyi GM (1998) [High acceleration impulsive rotations reveal severe long-term deficits of the horizontal vestibulo-ocular reflex in the guinea pig.](http://dx.doi.org/10.1007/s002210050566) [Experimental Brain Research](http://link.springer.de/link/service/journals/00221/) 123 (3): 242-254.  
   DOI: 10.1007/s002210050566
6. Watson SRD, Brizuela AE, Curthoys IS, Colebatch JG, MacDougall HG, Halmagyi GM (1998) [Maintained ocular torsion produced by bilateral and unilateral galvanic (DC) vestibular stimulation in humans.](http://dx.doi.org/10.1007/s002210050533) Experimental Brain Research 122 (4): 453-458.  
   DOI: 10.1007/s002210050533

**1997**

1. Curthoys IS, Betts GA (1997) [The role of utricular stimulation in determining perceived postural roll-tilt.](http://dx.doi.org/10.1080/00049539708260456) [Australian Journal of Psychology](http://www.psychsociety.com.au/publications/journals/12.4_1.asp) 49 (3): 134-138.  
   DOI: 10.1080/00049539708260456
2. Murofushi T, Curthoys IS (1997) [Physiological and anatomical study of click-sensitive primary vestibular afferents in the guinea pig.](http://dx.doi.org/10.3109/00016489709117994) [Acta Otolaryngologica](http://www.metapress.com/openurl.asp?genre=journal&issn=0001-6489) 117 (1): 66-72.  
   DOI: 10.3109/00016489709117994
3. Wade S, Curthoys IS (1997) [The effect of ocular torsional position on perception of the roll-tilt of visual stimuli.](http://dx.doi.org/10.1016/S0042-6989(96)00252-0) [Vision Research](http://www.sciencedirect.com/science/journal/00426989) 37 (8): 1071-1078.  
   DOI: 10.1016/S0042-6989(96)00252-0

**1996**

1. Aw ST, Haslwanter T, Halmagyi GM, Curthoys IS, Yavor RA, Todd MJ (1996) [Three-dimensional vector analysis of the human vestibuloocular reflex in response to high-acceleration head rotations. I. Responses in normal subjects.](http://jn.physiology.org/cgi/content/abstract/76/6/4009) [Journal of Neurophysiology](http://jn.physiology.org/) 76 (6): 4009-4020
2. Aw ST, Halmagyi GM, Haslwanter T, Curthoys IS, Yavor RA, Todd MJ (1996) [Three-dimensional vector analysis of the human vestibuloocular reflex in response to high-acceleration head rotations. II. Responses in subjects with unilateral vestibular loss and selective semicircular canal occlusion.](http://jn.physiology.org/cgi/content/abstract/76/6/4021) [Journal of Neurophysiology](http://jn.physiology.org/)76 (6): 4021-4030
3. Cartwright AD, Curthoys IS (1996) [A neural network simulation of the vestibular system: implications on the role of intervestibular nuclear coupling during vestibular compensation.](http://dx.doi.org/10.1007/s004220050313)[Biological Cybernetics](http://link.springer.de/link/service/journals/00422/) 75 (6): 485-493.  
   DOI: 10.1007/s004220050313
4. Curthoys IS (1996) [The delay of the oculogravic illusion.](http://dx.doi.org/10.1016/0361-9230(96)00134-7) [Brain Research Bulletin](http://www.brb.cf.ac.uk/) 40 (5-6): 407-412  
   DOI: 10.1016/0361-9230(96)00134-7
5. Curthoys IS (1996) [The role of ocular torsion in visual measures of vestibular function.](http://dx.doi.org/10.1016/0361-9230(96)00133-5) [Brain Research Bulletin](http://www.brb.cf.ac.uk/) 40 (5-6): 399-405  
   DOI: 10.1016/0361-9230(96)00133-5
6. Haslwanter T, Curthoys IS, Black RA, Topple AN, Halmagyi GM (1996) [The three-dimensional human vestibulo-ocular reflex: response to long-duration yaw angular accelerations.](http://dx.doi.org/10.1007/BF00231789)[Experimental Brain Research](http://link.springer.de/link/service/journals/00221/) 109 (2): 303-311.  
   DOI: 10.1007/BF00231789
7. Moore ST, Haslwanter T, Curthoys IS, Smith ST (1996) [A geometric basis for measurement of three dimensional eye position using image processing.](http://dx.doi.org/10.1016/0042-6989(95)00130-1) [Vision Research](http://www.sciencedirect.com/science/journal/00426989) 36 (3): 445-459.  
   DOI: 10.1016/0042-6989(95)00130-1
8. Murofushi T, Curthoys IS, Gilchrist DP (1996) [Response of guinea pig vestibular nucleus neurons to clicks.](http://dx.doi.org/10.1007/BF00229565) [Experimental Brain Research](http://link.springer.de/link/service/journals/00221/) 111 (1): 149-152.  
   DOI: 10.1007/BF00229565

**1995**

1. Curthoys IS, Halmagyi GM (1995) [Vestibular compensation: a review of the oculomotor, neural and clinical consequences of unilateral vestibular loss.](http://www.ncbi.nlm.nih.gov/pubmed/7743004) [Journal of Vestibular Research](http://www.jvr-web.org/) 5 (2): 67-107 ([article available free online](http://www.jvr-web.org/Download/Volume_05/Number_2/v05_n2_a1.pdf))
2. Smith ST, Curthoys IS, Moore ST (1995) [The human ocular torsional position response during yaw angular acceleration.](http://dx.doi.org/10.1016/0042-6989(94)00290-3) [Vision Research](http://www.sciencedirect.com/science/journal/00426989) 35 (14): 2045-2055.  
   DOI: 10.1016/0042-6989(94)00290-3
3. Moore ST, Curthoys IS, Haslwanter T (1995) [Potential clinical applications of video-based eye position measurement.](http://dx.doi.org/10.1109/IEMBS.1995.579862) Proceedings IEEE Engineering in Medicine and Biology Conference EMBC95, Montreal, Canada, Sept. 20th – 23rd, 1995 (CD-ROM).  
   DOI: 10.1109/IEMBS.1995.579862
4. Aw ST, Halmagyi GM, Pohl DV, Curthoys IS, Yavor RA, Todd MJ (1995) Compensation of the human vertical vestibulo-ocular reflex following occlusion of one vertical semicircular canal is incomplete. [Experimental Brain Research](http://link.springer.de/link/service/journals/00221/) 103 (3): 471-475
5. Murofushi T, Curthoys IS, Topple AN, Colebatch JG, Halmagyi GM (1995) Responses of guinea pig primary vestibular neurons to clicks. [Experimental Brain Research](http://link.springer.de/link/service/journals/00221/) 103: 174-178
6. Moore ST, Haslwanter T, Curthoys IS, Smith ST (1995) [Measurement of three dimensional eye position using image processing: a geometric approach.](http://dx.doi.org/10.1109/ICIP.1994.413351)Proceedings IEEE International Conference on Image Processing, ICIP-94, 1: 436-440  
   DOI: 10.1109/ICIP.1994.413351
7. Haslwanter T, Moore ST (1995) [A theoretical analysis of three-dimensional eye position measurement using polar cross-correlation.](http://dx.doi.org/10.1109/10.469371) IEEE Transactions on Biomedical Engineering 42 (11):1053-1061  
   DOI: 10.1109/10.469371
8. Haslwanter T (1995) [Mathematics of three-dimensional eye rotations.](http://dx.doi.org/10.1016/0042-6989(94)00257-M) [Vision Research](http://www.sciencedirect.com/science/journal/00426989) 35 (12):1727-1739.  
   DOI: 10.1016/0042-6989(94)00257-M

**1994**

1. Halmagyi GM, Aw ST, Dehaene I, Curthoys IS, Todd MJ (1994) [Jerk-waveform see-saw nystagmus due to unilateral meso-diencephalic lesion.](http://brain.oupjournals.org/cgi/content/abstract/117/4/789) [Brain](http://brain.oupjournals.org/) 117 (4): 789-803
2. Halmagyi GM, Fattore CM, Curthoys IS, Wade S (1994) [Gentamicin vestibulotoxicity.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=7970794)[Otolaryngology – Head and Neck Surgery,](http://oto.sagepub.com/) 111 (5): 571-574
3. Aw ST, Halmagyi GM, Curthoys IS, Yavor RA (1994) [Unilateral vestibular deafferentation causes permanent impairment of the human vestibulo-ocular reflex in the pitch plane.](http://www.ncbi.nlm.nih.gov/pubmed/7895788) [Experimental Brain Research](http://link.springer.de/link/service/journals/00221/) 102: 121-130
4. Haslwanter T, Curthoys IS, Black R, Topple A (1994) [Orientation of Listing’s plane in normals and in patients with unilateral vestibular deafferentation.](http://www.ncbi.nlm.nih.gov/pubmed/7851520)[Experimental Brain Research](http://link.springer.de/link/service/journals/00221/) 101: 525-528

**1992**

1. Curthoys IS, Moore ST, McCoy SG, Halmagyi GM, Markham CH, Diamond SG, Wade SW, Smith ST (1992) [VTM – A new method of measuring ocular torsion using image-processing techniques.](http://dx.doi.org/10.1111/j.1749-6632.1992.tb25265.x)Annals of the New York Academy of Sciences 656: 826-828  
   DOI: 10.1111/j.1749-6632.1992.tb25265.x
2. Curthoys IS, Wearne SL, Dai M, Halmagyi GM, Holden JR (1992) [Linear acceleration modulates the nystagmus induced by angular acceleration stimulation of the horizontal canal.](http://dx.doi.org/10.1111/j.1749-6632.1992.tb25249.x) Annals of the New York Academy of Sciences 656: 716-724  
   DOI: 10.1111/j.1749-6632.1992.tb25249.x
3. Curthoys IS, Wearne SL, Staples MS, Aw ST, Todd MJ, Halmagyi GM (1992) [Age-related changes in human smooth pursuit responses to horizontal step-ramp target trajectories.](http://dx.doi.org/10.1111/j.1749-6632.1992.tb25264.x) Annals of the New York Academy of Sciences 656: 823-825  
   DOI: 10.1111/j.1749-6632.1992.tb25264.x
4. Halmagyi GM, Aw ST, Cremer PD, Todd MJ, Curthoys IS (1992) [The human vertical vestibulo-ocular reflex in response to high-acceleration stimulation after unilateral vestibular neurectomy.](http://dx.doi.org/10.1111/j.1749-6632.1992.tb25251.x)Annals of the New York Academy of Sciences 656: 732-738  
   DOI: 10.1111/j.1749-6632.1992.tb25251.x
5. Holden JR, Wearne SL, Curthoys IS (1992) [A fast portable desaccading program.](http://www.ncbi.nlm.nih.gov/pubmed/1342392) [Journal of Vestibular Research](http://www.jvr-web.org/) 2 (2): 175-179
6. Halmagyi GM, Pamphlett R, Curthoys IS (1992) Seesaw nystagmus and ocular tilt reaction due to adult Leigh’s disease. Neuro-ophthalmology 12: 1-9

**1991**

1. Balleine BW, Curthoys IS (1991) [Differential effects of escapable and inescapable footshock on hippocampal theta activity.](http://content.apa.org/journals/bne/105/1/202) [Behavioral Neuroscience](http://www.apa.org/journals/bne.html) 105 (1): 202-209
2. Curthoys IS, Dai MJ, Halmagyi GM (1991) [Human ocular torsional position before and after unilateral vestibular neurectomy.](http://www.ncbi.nlm.nih.gov/pubmed/1884760) [Experimental Brain Research](http://link.springer.de/link/service/journals/00221/) 85: 218-225
3. Smith PF, Curthoys IS (1991) [Comments to: S.D. Newlands and A.A. Perachio: Neuronal activity in the medial vestibular nuclei following unilateral labyrinthectomy.](http://www.ncbi.nlm.nih.gov/pubmed/1761099) [Experimental Brain Research](http://link.springer.de/link/service/journals/00221/)86: 679-682
4. Moore ST, Curthoys IS, McCoy SG (1991) [VTM – an image-processing system for measuring ocular torsion.](http://dx.doi.org/10.1016/0169-2607(91)90124-C) [Computer Methods and Programs in Biomedicine](http://www.sciencedirect.com/science/journal/01692607) 35 (3): 219-230.  
   DOI: 10.1016/0169-2607(91)90124-C