**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%2810%2909013-1) 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%2808%2900625-0) 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%2808%2900626-2) 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.
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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
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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.
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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)
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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.
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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)
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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.
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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/%28ISSN%291748-7692), 32 (2): 552-567.
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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.
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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.
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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
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