

BIBLIOGRAPHY

JOURNAL ARTICLES

1. Kori, A.A., Robin, N.H., Jacobs, J.B., Erchul, D.M., Zaidat, O., Remler, B.F., Averbuch-Heller, L., Dell'Osso, L.F., Leigh, R.J., and Zinn, A.B.: Pendular Nystagmus in a Peroxisomal Assembly Disorder. *Arch. Neurol.* 55:554-558, 1998.
2. Dell'Osso, L.F., Williams, R.W., Jacobs, J.B. and Erchul, D.M.: The Congenital and See-Saw Nystagmus in the Prototypical Achiasma of Canines: Comparison to the Human Achiasmatic Prototype. *Vision Res.* 38:1629-1641, 1998.
3. Erchul, D.M., Dell'Osso, L.F., and Jacobs, J.B.: Characteristics of Foveating and Defoveating Saccades in Latent Nystagmus. *Invest. Ophthalmol. Vis. Sci.* 39:1571-1579, 1998.
4. Dell'Osso, L.F., Hertle, R.W., Williams, R.W., and Jacobs, J.B.: A New Surgery for Congenital Nystagmus: Effects of Tenotomy on an Achiasmatic Canine and the Role of Extraocular Proprioception. *J. Amer. Assoc. Pediat. Ophthalmol. Strab.* 3:166-182, 1999.
5. Averbuch-Heller, L., Dell'Osso, L.F., Jacobs, J.B. and Remler, B.F.: Latent and Congenital Nystagmus in Down Syndrome. *J. Neuro-Ophthalmol.* 19:166-172, 1999.
6. Jacobs, J.B., Dell'Osso, L.F., and Erchul, D.M.: Generation of Braking Saccades in Congenital Nystagmus. *Neuro-Ophthalmol.* 21:83-95, 1999.
7. Dell'Osso, L.F., Hogan, D.W., Jacobs, J.B., and Williams, R.W.: Eye Movements in Canine Hemichiasma: Does Human Hemichiasma Exist? *Neuro-Ophthalmol.* 22:47-58, 1999.
8. Jacobs, J.B.: "An Ocular Motor System Model that Simulates Congenital Nystagmus, Including Braking and Foveating Saccades" Ph.D. Dissertation, Case Western Reserve University, May, 2001.
9. Dell'Osso, L.F. and Jacobs, J.B.: A Normal Ocular Motor System Model That Simulates the Dual-Mode Fast Phases of Latent/Manifest Latent Nystagmus. *Biological Cybernetics* 85: 459-471, 2001.
10. Dell'Osso, L.F. and Jacobs, J.B.: An Expanded Nystagmus Acuity Function: Intra- and Intersubject Prediction of Best-Corrected Visual Acuity. *Documenta Ophthalmologica* 104: 249-276, 2002.
11. Averbuch-Heller, L., Dell'Osso, L.F., Leigh, R.J., Jacobs, J.B., and Stahl, J.S.: The Torsional Component of "Horizontal" Congenital Nystagmus. *J. Neuro-Ophthalmol.* 22: 22-32, 2002.
12. Jacobs, J.B., Dell'Osso, L.F., and Leigh, R.J.: Characteristics of Braking Saccades in Congenital Nystagmus. *Documenta Ophthalmologica* 107:137-154, 2002.
13. Jacobs, J. B. & Dell'Osso, L. F. (2004). Congenital nystagmus: Hypotheses for its genesis and complex waveforms within a behavioral ocular motor system model. *Journal of Vision*, 4(7), 604-625, <http://journalofvision.org/4/7/7/>, doi:10.1167/4.7.7.

BOOK CHAPTERS

1. Dell'Osso, L.F., Jacobs, J. B.: A Robust, Normal, Ocular Motor System Model with Congenital Nystagmus (CN) Including Braking and Foveating Saccades In "Neuro-ophthalmology at the Beginning of the New Millennium." edited by J.A. Sharpe, Medimond Medical Publications, Englewood, pp. 107-111, 2000.
2. Dell'Osso, L.F., Jacobs, J. B.: A Robust, Normal, Ocular Motor System Model with Latent/Manifest Latent Nystagmus (LMLN) and Dual-Mode Fast Phases In "Neuro-ophthalmology at the Beginning of the New Millennium." edited by J.A. Sharpe, Medimond Medical Publications, Englewood, pp. 113-118, 2000.
3. Jacobs, J.B., Dell'Osso, L.F.: A Robust, Normal Ocular Motor System Model with Latent/Manifest Latent Nystagmus (LMLN) and Dual-Mode Fast Phases. In "Neurobiology of Eye Movements. From Molecules to Behavior," edited by H.J. Kaminski and R.J. Leigh, NYAS, New York, Ann. NY Acad. Sci. 956:604-607, 2002.
4. Jacobs, J.B., Dell'Osso, L.F.: A Hypothetical Fixation System Capable of Extending Foveation in Congenital Nystagmus. In "Neurobiology of Eye Movements. From Molecules to Behavior," edited by H.J. Kaminski and R.J. Leigh, NYAS, New York, Ann. NY Acad. Sci. 956:608-610, 2002

ABSTRACTS & PUBLISHED LETTERS

1. Dell'Osso, L.F., Williams, R.W., Jacobs, J.B. and Erchul, D.M.: Achiasmatic Mutant Belgian Sheepdogs: An Animal Model for Congenital Nystagmus. Invest. Ophthalmol. Vis. Sci. 37:S227, 1996.
2. Erchul, D.M., Jacobs, J.B. and Dell'Osso, L.F.: Latent Nystagmus Fast-Phase Generation. Invest. Ophthalmol. Vis. Sci. 37:S277, 1996.
3. Jacobs, J.B., Erchul, D.M. and Dell'Osso, L.F.: Braking Saccade Generation in Congenital Nystagmus. Invest. Ophthalmol. Vis. Sci. 37:S277, 1996.
4. Jacobs, J.B. and Dell'Osso, L.F.: Congenital Nystagmus Braking Saccade Characteristics. Invest. Ophthalmol. Vis. Sci. 38:S650, 1997.
5. Averbuch-Heller, L., Dell'Osso, L.F., Remler B.F., Kori A.A., Erchul D.M., Jacobs J.B., and Kim L.: Latent Nystagmus in Down's Syndrome. Neurology 48:A133, 1997.
6. Dell'Osso, L.F. and Jacobs, J.B.: A Preliminary Model of Congenital Nystagmus (CN) Incorporating Braking Saccades. Invest. Ophthalmol. Vis. Sci. 39:S149, 1998.
7. Jacobs, J.B. and Dell'Osso, L.F.: An Expanded Nystagmus Acuity Function. Invest. Ophthalmol. Vis. Sci. 39:S149, 1998.

8. Hertle, R.W., Dell'Osso, L.F., Jacobs, J.B., and Williams, R.W.: Extraocular Muscle Tenotomy (The Dell'Osso Procedure): Damping of Congenital (CN) and See-Saw (SSN) Nystagmus in the Achiasmatic Belgian Sheepdog (ABS). *Invest. Ophthalmol. Vis. Sci.* 39:S149, 1998.
9. Dell'Osso, L.F. and Jacobs, J.B.: A Preliminary Congenital Nystagmus (CN) Model Incorporating Braking Saccades. *Neuro-Ophthalmol.* 20 (Special Issue):1, 1998.
10. Dell'Osso, L.F. and Jacobs, J.B.: An Expanded Nystagmus Acuity Function. *Neuro-Ophthalmol.* 20 (Special Issue):1, 1998.
11. Dell'Osso, L.F., Hertle, R.W., Jacobs, J.B., and Williams, R.W.: Extraocular Muscle Tenotomy: Damping of Congenital and See-Saw Nystagmus. *Neuro-Ophthalmol.* 20 (Special Issue):22, 1998.
12. Jacobs, J.B. and Dell'Osso, L.F.: A Dual-Mode Model of Latent Nystagmus. *Invest. Ophthalmol. Vis. Sci.* 40:S962, 1999.
13. Jacobs, J.B. and Dell'Osso, L.F.: A Model of Congenital Nystagmus (CN) Incorporating Braking and Foveating Saccades. *Invest. Ophthalmol. Vis. Sci.* 41:S701, 2000.
14. Dell'Osso, L.F., Jacobs, J. B.: A Robust, Normal, Ocular Motor System Model with Latent/Manifest Latent Nystagmus (LMLN) and Dual-Mode Fast Phases. *Neuro-Ophthalmol.* 23 (Special Issue):231, 2000.
15. Dell'Osso, L.F., Jacobs, J. B.: A Robust, Normal, Ocular Motor System Model with Congenital Nystagmus (CN) Including Braking and Foveating Saccades. *Neuro-Ophthalmol.* 23 (Special Issue):232, 2000.
16. Jacobs, J.B. and Dell'Osso, L.F.: A Hypothetical Fixation System Capable of Extending Foveation in Congenital Nystagmus. *Invest. Ophthalmol. Vis. Sci.* 42:S166, 2001.
17. Dell'Osso, L.F., Averbuch-Heller, L., Leigh, R.J., Jacobs, J.B., and Stahl, J.S.: The Torsional Component of "Horizontal" Congenital Nystagmus (CN). *Invest. Ophthalmol. Vis. Sci.* 42:S318, 2001.
18. Serra, A., Dell'Osso, L.F., and Jacobs, J.B.: Effects on Congenital Nystagmus (CN) of Combined Gaze-Angle and Vergence Variation: Therapeutic Implications. Annual Meeting Abstract and Program Planner [on CD-ROM or accessed at www.arvo.org]. ARVO Abstr. 2656, 2002.
19. Jacobs, J.B., Serra, A., and Dell'Osso, L.F.: Oscillating Scotomas of Migraine Auras or "Induced" See-Saw Nystagmus (SSN) with Loss of Vertical Fusion in Congenital Nystagmus (CN). Annual Meeting Abstract and Program Planner [on CD-ROM or accessed at www.arvo.org]. ARVO Abstr. 2657, 2002.
20. Garbutt, S.M., Dell'Osso, L.F., Jacobs, J.B.: "Staircase" Saccadic Intrusions and Transient Yoking and Neural Integrator Failures Associated with Cerebellar Hypoplasia. Annual Meeting Abstract and Program Planner [on CD-ROM or accessed at www.arvo.org]. ARVO Abstr. 1968, 2003.

21. Jacobs, J.B., Dell'Osso, L.F., Hertle, R.W., Bennett, J., Acland, G.: Gene Therapy to Abolish Congenital Nystagmus in RPE65-Deficient Canines. Annual Meeting Abstract and Program Planner [on CD-ROM or accessed at www.arvo.org]. ARVO Abstr. 4249, 2003.
22. Shallo-Hoffmann, J., Jacobs, J.B., The Influence of Fixation on Ocular Oscillations. American Academy of Optometry 2003, Dallas, Texas, December 4–7, 2003.
23. Jacobs, J.B., Dell'Osso, L.F.: Damping Effects of Full-Field Optokinetic Backgrounds on Fusion Maldevelopment Nystagmus. Annual Meeting Abstract and Program Planner [on CD-ROM or accessed at www.arvo.org]. ARVO Abstr. 2532, 2004.

MISCELLANEOUS PUBLICATIONS, FILMS, VIDEO/AUDIO TAPES, BOOK REVIEWS, & WORLD-WIDE-WEB

1. Jacobs, J.B. and Dell'Osso, L.F.: Tenotomy for Congenital Nystagmus - Pre and Post Op, February, 1999. At WWW Site: <http://med-aapos.bu.edu/JAAPOS/newNystagSurg.html>
2. Jacobs, J.B.: The “OMtools” data analysis environment for MATLAB. <http://www.omlab.org/software/omtools.sit>