

**NEWENCO Faculty Publications**  
**July 2000-June 2001**

Aiello LP, **Cavallerano J**. Diabetic Retinopathy. In Johnstone MT, Veves A (ed.). *Contemporary Cardiology: Diabetes and Cardiovascular Disease*. Humana Press, Totowa, NJ, 2001, pp

Aiello LM, **Cavallerano J, Cavallerano A**, Bursell S-E. The Joslin Vision Network (JVN) Innovative Telemedicine Care for Diabetes. *Ophthalmol Clin North Am*. 13:2000; 213-224.

Aiello LM, **Cavallerano JD**, Aiello LP. Diagnosis, management, and treatment of nonproliferative diabetic retinopathy and diabetic macular edema. In Albert DM, Jakobiec FA (eds.). *Principles and Practice of Ophthalmology*, 2<sup>nd</sup> edition. Philadelphia: W.B. Saunders Co., 2000; pp.1900-1914.

Barnett DM, Aiello LM, Niffenegger JH, Fong DS, **Cavallerano JD**. Diabetes Mellitus. In Albert DM, Jakobiec FA (eds.). *Principles and Practice of Ophthalmology*, 2<sup>nd</sup> edition. Philadelphia: W.B. Saunders Co., 2000; pp.4525-4541.

Bennett ES, **Watanabe RK**. Preliminary Evaluation. In: Bennett ES, Henry VA, eds. *Clinical Manual of Contact Lenses*. 2<sup>nd</sup> edition. Philadelphia: Lippincott Williams & Wilkins, 2000; pp. 3-33.

Bursell S-E, **Cavallerano JD, Cavallerano AA**, Clermont AC, Birkmire-Peters D, Aiello LP, Aiello LM, Joslin Vision Network Research Team. Stereo nonmydriatic digital-video color retinal imaging compared with Early Treatment Diabetic Retinopathy Study seven standard field 35-mm stereo color photos for determining level of diabetic retinopathy. *Ophthalmology* 2001;108(3):572-585.

Bursell S-E, Clermont A, **Cavallerano J, Cavallerano A**, Aiello LP, Aiello LM. Nonmydriatic Digitized Video Retinal Imaging for Diabetic Retinopathy Assessment in a Telemedicine Environment. *Diabetes* 2000; 49:S-A10.

**Chu YKG, Monahan SR**, The New England College of Optometry's Home Eye Service, American Public Health Association, Nov, 2000. (poster)

**Chu YKG, Monahan SR**, Airbag and Ocular Trauma: Highlighting the Public Health Significance of Airbag Related Ocular Injuries, American Public Health Association, Nov, 2000 (poster)

**Chu YKG**, Pan JC, Comprehensive Care for the Elderly – Is PACE the Answer?, *Harvard Health Policy Review* 2001; 2(1):65-71.

**Comerford JP, Thorn F, Khan S.** The effect of tilt on the Hermann Grid illusion assessed by a nulling technique. *Investigative Ophthalmology and Vision Science* 2001; 42(4):S854.

Dias L, Manny R, Hyman L, Fern K, **The COMET Group.** Ocular factors and self-perception in myopic children. *Investigative Ophthalmology and Vision Science* 2001; 42(4):S390.

Divieti P, Inomata N, Chapin K, Singh R, Juppner H, **Bringham FR.** Receptors for the carboxyl-terminal region of PTH(1-84) are highly expressed in osteocytic cells. *Endocrinology*. 2001; 142(2):916-925.

**Erickson K.** Drug pharmacokinetics. In Ableson, MB, *Allergic diseases of the eye*. Philadelphia: WB Saunders, 2000; pp. 195-201.

**Erickson KA, Schroeder A,** Pharmacology of antiglaucoma medications. In Fingeret M, Lewis, T (eds.) *Primary care of the glaucomas*, 2<sup>nd</sup> ed. New York: McGraw Hill, 2000; pp. 311-332.

**Erickson, KA, Schroeder AS.** Direct effects of muscarinic agents on the outflow pathways in human eyes. *Investigative Ophthalmology and Visual Science* 2000; 41(7):1743-1748.

Flitcroft, I, **Troilo, D.** Three dimensional growth patterns in myopia. In: **Thorn F, Troilo, D, Gwiazda J.** (eds.) *Myopia 2000: Proceedings of the 8th International Conference on Myopia*. Boston: Conference on Myopia 2000 Press, 2000; pp. 175-180.

Flitcroft, I., **Troilo, D.** and Wildsoet, C. A new perspective on the pharmacological treatment of myopia. In: **Thorn F, Troilo, D, Gwiazda J.** (eds.) *Myopia 2000: Proceedings of the 8th International Conference on Myopia*. Boston: Conference on Myopia 2000 Press, 2000; pp. 195-199.

Gong H, Overby D, Ruberti J, **Freddo T,** Johnson M. Human outflow pathway viewed by quick freeze-deep etch. *Investigative Ophthalmology and Visual Science* 2001; 42(4):S141.

**Gwiazda J,** Birch E. Perceptual development: Vision. In: Goldstein, B. *Handbook of Perception*. Oxford: Blackwell, 2001; pp. 636-668.

**Gwiazda J,** Grice K, McLellan J, **Held R, Thorn F.** Astigmatism and the development of myopia in children. *Vision Research* 2000; 40(8):1019-1026.

**Gwiazda J, Thorn F, Held R.** Changes in oculomotor parameters before the onset of myopia in children. *Investigative Ophthalmology and Visual Science* 2001; 42(4):S842.

**Gwiazda J, Marran L.** The many facets of the myopic eye: a review of genetic and environmental factors. In: .Lakshminarayanan, V (ed) *Vision science and its applications, TOPS*. Washington D.C.: Optical Society of America 2000. 35:393-406.

**Gwiazda J, Ong E, Held R, and Thorn F.** Ambient night-time light and myopia. *Nature* 2000; 404(6774):144.

**Gwiazda J, Ong E, Held R, Thorn F.** Myopia in children is not associated with night-time lighting in infancy. In: **Thorn F, Troilo, D, Gwiazda J.** (eds.) *Myopia 2000: Proceedings of the 8th International Conference on Myopia*. Boston: Conference on Myopia 2000 Press, 2000; pp. 308-312.

Guo J, Lanske B, Liu B-Y, Divieti P, Kronenberg HM, **Bringham FR.** Signal-selectivity of PTH/PTHrP receptor-mediated regulation of differentiation in conditionally immortalized growth-plate chondrocytes. *Endocrinology*. 2001; 142(3):1260-1268.

**He JC, Gwiazda J, Held R, Thorn F.** Wavefront aberrations in the cornea and the whole eye for emmetropes and myopes. *Investigative Ophthalmology and Visual Science* 2001; 42(4):S99.

**He JC, Gwiazda J, Held R, Thorn F, Ong E, Marran L.** Wave-front aberrations in the eyes of myopic and emmetropic school children and young adults. In: **Thorn F, Troilo, D, Gwiazda J.** (eds.) *Myopia 2000: Proceedings of the 8th International Conference on Myopia*. Boston: Conference on Myopia 2000 Press, 2000; pp. 113-117.

**Held R, Gwiazda J.** The accommodative response to blur in myopic children. In: Franzen, O, Richter H., Stark, L (eds.) *Accommodation and vergence mechanisms in the visual system*. Basel: Birkhauser Verlag, 2000; pp 171-182.

Hussein M, **Gwiazda J, Hyman L, The COMET Group.** Reliability of measurements of phoria and accommodation in the Correction of Myopia Evaluation Trial (COMET). *Investigative Ophthalmology and Visual Science* 2001; 42(4):S391.

**Jamara RJ, Denial A, Valentini D, Thorn F.** Clinical Quality Assessment Using Computer Monitor Photoimages of Optic Nerve Head Cupping. *Optometry and Vision Science* 2000; 77(8):433-436.

**Jamara RJ, Peli E**, Van de Velde F, Chateaufneuf, Charlene. Scanning eye movements in homonymous hemianopia documented by scanning laser ophthalmoscope retinal perimetry. *Optometry and Vision Science* 2000; 77(12s): 240.

Johnson M, **Erickson KA**. Mechanisms and Routes of Aqueous Humor Drainage. In Albert DM, Jacobiec FA, (eds.), *The Principles and Practice of Ophthalmology*, 2<sup>nd</sup> ed. Philadelphia: W.B. Saunders, 2000; pp. 2577-2595.

**Koevary, S**, Nussey, J. Accumulation of insulin in the rat retina after topical application is not due to systemic uptake. *Investigative Ophthalmology and Visual Science* 2001; 42(4):S925.

**Koevary, SB**, K. Beaudry. Effect of ACAID on rat islet allograft rejection. *Ocular Immunology and Inflammation*, 2000; 8(1):39-47.

**Koevary, SB**. Cytomegalovirus retinitis: pathogenesis and treatment options. *Optometry* 2000; 71(9):591-597.

**Koevary, SB**. Ocular immune privilege: a review. *Clinical Eye and Vision Care* 2000; 12(3-4):97-106.

**Koevary, S**, Nussey, J, Beaudry, K. Topical insulin administration results in the accumulation of insulin in the retina and optic nerve. 103rd Annual AOA Congress, Las Vegas, NV, 2000.

**Kurtz, D**, Manny, R, Hussein, M., the **COMET Group**. Reliability of ocular components measured by A-scan in children. *Optometry and Vision Science* 2000; 77(12s):286.

Li T, **Troilo D**, Howland HC. Diurnal illumination patterns affect the development of the chick eye. *Vision Research* 2000; 40(18):2387-93.

Liu J, Schroeder A, **Erickson KA**. Pharmacology of Cholinergic Agents. . In Albert DM, Jacobiec FA, (eds.), *The Principles and Practice of Ophthalmology*, 2<sup>nd</sup> ed. Philadelphia: W.B. Saunders, 2000; pp. 251-257.

Manny, RE, Hussein M, Marsh-Tootle WL, **Gwiazda J, COMET Study Group**. Reliability of ETDRS visual acuity (VA) in the Correction of Myopia Evaluation Trial (COMET). *Optometry and Vision Science* 2000; 77(12s):279.

Marran L, **Gwiazda J**. Myopic labels. In: **Thorn F, Troilo, D, Gwiazda J**. (eds.) *Myopia 2000: Proceedings of the 8th International Conference on Myopia*. Boston: Conference on Myopia 2000 Press, 2000; pp. 325-329.

**Mertz, JR, Nickla, DL, Troilo D.** All-trans-retinoic acid causes a dose-dependent decrease in scleral proteoglycan synthesis in the primate sclera. *Investigative Ophthalmology and Visual Science* 2001; 42(4):S56.

**Mertz JR, Nickla DL, Troilo D.** Choroidal retinoic acid in a primate model of eye growth: The common marmoset. . In: **Thorn F, Troilo, D, Gwiazda J.** (eds.) *Myopia 2000: Proceedings of the 8th International Conference on Myopia.* Boston: Conference on Myopia 2000 Press, 2000, pp. 200-204.

**Monahan, SR.** Neuroretinitis: a clinical syndrome of cat-scratch disease. *Clinical Eye and Vision Care* 2000; 12(3-4):155-159.

**Moss, GL.** Building long-term patient relationships. *Optometry* 2001; 72(4):266-8.

**Moss, GL.** Enriching staff positions. *Optometry* 2000; 71(9):604-605.

**Moss, GL.** Shaw-McMinn, PG. *Eyecare business: marketing and strategy.* Boston: Butterworth-Heinemann, 2001.

**Moss, GL.** Improving staff performance using the appraisal process. *Optometry* 2001; 72(2):126-127.

**Moss, GL.** Management 101: or what management theory can teach optometrists 2000; 71(10):676-678.

**Moss, GL.** Motivating staff through recognition. *Optometry* 2001; 72(3):197-198.

**Moss, GL.** Patient routing slips. *Optometry* 2000; 71(7), 466-467.

**Moss, GL.** The performance appraisal process. *Optometry* 2000; 71(12):796-799.

**Moss, GL.** Target your market. *Optometry* 2001; 72(5):335-336

**Moss, GL.** Use job analysis to hire the right employee. *Optometry* 2000; 71(11):739-740.

**Nickla DL, Troilo, D.** Brief daily periods of vision cause rapid, transient changes in axial length and choroid thickness in form deprived chick eyes. *Investigative Ophthalmology and Visual Science* 2001; 42(4): S297.

**Nickla DL, Wildsoet CF, Troilo D.** Endogenous rhythms in axial length and choroids thickness in chicks: Implications for ocular growth regulation. *Investigative Ophthalmology and Visual Science* 2001; 42(3):584-588.

**Nickla DL**, Wildsoet CF, **Troilo D**. Ocular diurnal rhythms in chicks and marmosets: Implications for ocular growth regulation. In: **Thorn F, Troilo D, Gwiazda J**. (eds.) *Myopia 2000: Proceedings of the 8th International Conference on Myopia*. Boston: Conference on Myopia 2000 Press, 2000; pp. 302-307.

Overby D, Gong H, **Freddo T**, Johnson M. Re-distribution of outflow patterns during wash-out. *Investigative Ophthalmology and Visual Science* 2001; 42(4): S138.

**Patel B**. Parpado y Conjuntiva. Franja Publicaciones Ltda 2000; 11(53)

Payne J, **Gong H**, Trinkaus-Randall V. Tyrosine phosphorylation: a critical component in the formation of hemidesmosomes. *Cell & Tissue Research* 2000; 300(3):401-11.

**Potaznick W, Comerford JP**, Hazelwood J, **Thorn F**. The effect of diabetes in detection of the Hermann Grid illusion. *Investigative Ophthalmology and Vision Science* 2001; 42(4):S854.

Rada JA, **Nickla DL, Troilo D**. Scleral changes associated with form deprivation myopia in mature primate eyes. *Investigative Ophthalmology and Vision Science* 2000; 41(8):2050-2058.

**Rah MJ, Watanabe RK**. Preventative contact lens care: Part II. *Contact Lens Spectrum* 2001; 16(5):26-31.

Schroeder A, **Erickson KA**, Sears ML. Formation of Aqueous Humor. In Albert DM, Jacobiec FA, (eds.), *The Principles and Practice of Ophthalmology*, 2<sup>nd</sup> ed. Philadelphia: W.B. Saunders, 2000; pp. 2555-2576.

Schroeder A, **Erickson KA**. Toxicology of Antiglaucoma Agents. In Albert DM, Jacobiec FA, (eds.), *The Principles and Practice of Ophthalmology*, 2<sup>nd</sup> ed. Philadelphia: W.B. Saunders, 2000; pp. 437-454.

Siegner SW, Netland PA, Karditsas SD, **Erickson KA**. The effect of calcium channel blockers alone and in combination with other antiglaucoma medications on intraocular pressure in the primate eye. *Journal of Glaucoma* 2000; 9(4):334-339.

Sonsino J, Gong H, Wu P, **Freddo T**. Comparative localization of ZO-1 and occludin in normal human ciliary epithelium and iridial vascular endothelium. *Experimental Eye Research* 2000; 71(S1): S112.

**Thorn F, Troilo D, Gwiazda, J**. (eds.) *Myopia 2000: Proceedings of the 8th International Conference on Myopia*. Boston: International Conference on Myopia 2000 Press, 2000.

**Thorn F, He J, Thorn S, Held R, Gwiazda J.** The vision of myopic children: How wavefront aberrations alter the retinal image of school book text. In: **Thorn F, Troilo D, Gwiazda J.** (eds.) *Myopia 2000: Proceedings of the 8th International Conference on Myopia*. Boston: Conference on Myopia 2000 Press, 2000; pp. 127-131.

**Thorn F, Gwiazda J, Held R.** Exponential functions that optimally describe myopia progression in children. *Investigative Ophthalmology and Visual Science* 2001; 42(4):S389.

**Tolls D, Carlson N, Wilson R.** Investigating Clinical Teaching Methodology: Student and Instructor Responses to a Survey. *Optometry and Vision Science* 2000; 77(12s):198.

**Tolls D, Carlson N, Wilson R, Richman J.** Interim outcomes assessment of the comprehensive clinical performance grid for student evaluations. *Optometric Education* 2001; 26(3): 77-82.

**Troilo D, Boisvert N, Nau A.** How is accommodation related to the development of refractive state? Evidence from experimental studies using animal models. In: **Thorn F, Troilo D, Gwiazda J.** (eds.) *Myopia 2000: Proceedings of the 8th International Conference on Myopia*. Boston: Conference on Myopia 2000 Press; 2000, pp. 254-258.

**Troilo, D, Nickla, DL.** Visual regulation of eye growth and refractive state in a new world primate. In: **Thorn F, Troilo D, Gwiazda J.** (eds.) *Myopia 2000: Proceedings of the 8th International Conference on Myopia*. Boston: Conference on Myopia 2000 Press; 2000, pp. 170-174.

**Troilo D, Nickla DL, Wildsoet CF.** Choroidal thickness changes during altered eye growth and refractive state in a primate. *Investigative Ophthalmology and Vision Science* 2000; 41(6):1259.

**Troilo D, Nickla DL, Wildsoet CF.** Form deprivation myopia in a mature primate. *Investigative Ophthalmology and Vision Science* 2000; 41(8):1043-2049.

Walline JJ, Mutti DO, Jones LA, **Rah MJ**, Nichols KK, Watson R, Zadnik K. (2001)The Contact Lens and Myopia Progression (CLAMP) Study baseline report. *Optometry and Vision Science* 2001; 78(4):223-233.

Whitfield JF, Morley P, Willick GE, Isaacs RJ, MacLean S, Ross V, Barbier JR, Divieti P, **Bringham FR.** Lactam formation increases receptor binding, adenylyl cyclase stimulation and bone growth stimulation by human parathyroid hormone (hPTH)(1-28)NH<sub>2</sub>. *Journal of Bone and Mineral Research*. 2000; 15(5):964-70.

Whitfield JF, Isaacs RJ, Chakravarthy B, Maclean S, Morley P, Willick G, Divieti P, **Bringham FR.** Stimulation of protein kinase C

activity in cells expressing human parathyroid hormone receptors by C- and N-terminally truncated fragments of parathyroid hormone 1-34. *Journal of Bone and Mineral Research* 2001; 16(3): 441-447.

**Wilson R.** Revisiting scholarship for clinician educators (editorial). *Optometric Education* 2000; 26(2):36.

**Wilson R.** Quantifying Teaching and Professional Activities (editorial). *Optometric Education* 2000; 25(4):

**Wilson R.** Clinical education: when to begin (editorial). *Optometric Education* 2000; 25(3):68.

Wu P, Gong H, Richman R, **Freddo T.** A comparison of filipin-complex formation in the tight junctional domains of non-pigmented ciliary epithelial cells and iris vascular endothelial cells in rabbit eyes. *Investigative Ophthalmology and Visual Science* 2001. 42(4):S211.

Wu P, Gong H, Richman R and **Freddo, T.** Localization of occludin, ZO-1 and Pan-cadherin in rabbit ciliary epithelium and its vascular endothelium. *Histochem Cell Biol.* 2000; 114: 303-310.

Zhang X, Wang N, Schroeder A, **Erickson KA.** Expression of adenylate cyclase subtypes II and IV in the human outflow pathway. *Investigative Ophthalmology and Visual Science* 2000; 41(5):998-1005.