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**NAME:** **Richard W. Hertle, M.D., F.A.A.O., F.A.C.S., F.A.A.P.**

**OFFICE ADDRESS:** Children's Hospital Medical Center of Akron (9/27/2010)  
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**PLACE OF BIRTH** Brooklyn, New York

**EDUCATION:** 1975-76; Buffalo State University  
1976-79; BA Ohio State University  
1980-84; MD Northeastern Ohio Universities College of Medicine

Licensed and Certified Optician

**EMPLOYMENT:** 1973-75 Long Island N.Y.  
1976-80 Columbus, Ohio  
1980-82 Akron, Ohio

**POST-GRADUATE TRAINING & FELLOWSHIP APPOINTMENTS:**

- 1984-85 Transitional Internship:  
St. Lukes Hospital  
Cleveland, Ohio
- 1985-86 Ocular Motility Fellow:  
Veterans Administration Hospital  
Cleveland, Ohio
- 1985-86 Emergency Medicine, Fostoria City Hospital  
Fostoria, Ohio
- 1986-89 Ophthalmology Resident:  
Boston University Medical Center  
Boston City Hospital  
Boston, Massachusetts
- Jan-Feb 1991 Visiting Fellow: Strabismus  
Pacific Medical Center  
Smith-Kettelwell Eye Research Inst.  
San Francisco, California
- 1989-91 Pediatric Ophthalmology Fellow:  
The Children's Hospital of Philadelphia  
Department of Ophthalmology  
Univ. of Pennsylvania School of Medicine  
Philadelphia, Pennsylvania

**FACULTY APPOINTMENTS:**

- 7/1/89-6/30/91 Clinical Instructor of Ophthalmology at  
The Children's Hospital of Philadelphia,  
Department of Ophthalmology, Univ. of PA,  
School of Medicine
- 7/1/91-6/31/92 Lecturer in Ophthalmology at The Children's  
Hospital of Philadelphia, Department of  
Ophthalmology, Univ. of PA, School of  
Medicine
- 7/1/92-6/30/98 Assistant Professor of Ophthalmology  
The Children's Hospital of Philadelphia and  
The Scheie Eye Institute, The University of  
Pennsylvania School of Medicine

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7/1/98-7/15/01	Medical Officer/Investigator Senior Scientist Pediatric Ophthalmology, Strabismus and Eye Movement Disorders The Laboratory of Sensorimotor Research The National Eye Institute The National Institutes of Health Bethesda, MD
9/1/98 – 6/30/01	Consultant in Pediatric Ophthalmology The National Naval Medical Center Bethesda, MD The Walter Reed Army Medical Center, Washington, D.C.
11/1/02 – 4/30/04	Clinical Professor of Ophthalmology The Department of Ophthalmology The Ohio State University College of Medicine and Public Health Columbus, Ohio 1/1/02 – 4/30/04 Director; The Laboratory of Visual and Ocular Motor Physiology Columbus Children’s Hospital The Department of Ophthalmology The Ohio State University College of Medicine and Public Health Columbus, Ohio
1/1/01 – 4/30/04	Director of Pediatric Ophthalmology Fellowship Program Columbus Children’s Hospital Columbus, Ohio
7/1/04 – 1/18/10	Chief of Pediatric Ophthalmology Professor of Ophthalmology The University of Pittsburgh School of Medicine Children’s Hospital of Pittsburgh The Eye and Ear Institute The University of Pittsburgh Medical Center Pittsburgh, PA
7/1/04 – 1/18/10	Director of The Laboratory of Visual and Ocular Motor Physiology Children’s Hospital of Pittsburgh The University of Pittsburgh Medical Center Pittsburgh, PA
11/1/05 – 1/18/10	Professor of Bioengineering The University of Pittsburgh School of Bioengineering Pittsburgh, PA

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- 12/10/10 - Present Professor of Surgery (Ophthalmology)  
Northeastern Ohio Universities College of Medicine and Pharmacy  
Rootstown, OH
- 7/1/11 - Present Chief of Pediatric Ophthalmology, Director Children's Vision Center  
Children's Hospital Medical Center of Akron  
Akron, OH
- 3/31/12 - Present Director of Pediatric Ophthalmology Fellowship Program  
Akron Children's Hospital  
Akron, Ohio
- 9/25/18 – Present The Dr. Robert "Boomer" and Jill Burnstine Chair in Pediatric  
Ophthalmology, Akron Childrens Hospital

**HOSPITAL & ADMINISTRATIVE APPOINTMENTS:**

- 7/1/89-6/30/91 Assistant Ophthalmologist, The Children's  
Hospital of Philadelphia, University of PA,  
School of Medicine, Philadelphia, PA
- 7/1/91-6/30/98 Attending Ophthalmologist, The Children's  
Hospital of Philadelphia, University of PA,  
School of Medicine, Philadelphia, PA
- 7/1/89-6/30/91 Assistant Ophthalmologist, The Scheie Eye  
Institute, University of PA, Phila., PA
- 7/1/91- 6/30/98 Attending Ophthalmologist, The Scheie Eye  
Institute, University of PA, Phila., PA
- 7/1/89-6/30/98 Consulting Ophthalmologist, The Hospital  
of the University of PA, Philadelphia, PA
- 7/1/91-6/30/98 Attending Ophthalmologist, Presbyterian  
Medical Center, Philadelphia, PA
- 7/1/90-6/30/98 Consultant Ophthalmologist, Albert Einstein  
Medical Center, Philadelphia, PA
- 11/1/91-6/30/98 Consultant Ophthalmology and Strabismus  
The Veterans Administration Medical Center

Philadelphia, PA

7/1/94-6/30/98 Partner, Division of Pediatric Ophthalmology,  
Children's Surgical Associates Inc., The Children's  
Hospital of Philadelphia, Philadelphia, PA

8/17/98-8/31/01 Investigator/Medical Officer/Senior Scientist  
Pediatric Ophthalmology, Strabismus and Eye Movement Disorders  
The Laboratory of Sensorimotor Research  
The National Eye Institute, The National Institutes of Health  
Bethesda, MD

10/1/98-6/30/01 Staff Ophthalmologist/Consultant in Pediatric Ophthalmology  
Department of Ophthalmology  
The National Naval Medical Center  
Bethesda, MD

12/1/98-6/30/01 Staff Ophthalmologist/Consultant in Pediatric Ophthalmology  
Department of Ophthalmology  
The Walter Reed Army Medical Center  
Washington, D.C.

3/1/00 –6/30/01 Staff Ophthalmologist/Consultant in Pediatric Ophthalmology  
Department of Ophthalmology  
The Portsmouth National Naval Hospital  
Portsmouth, VA

8/1/00 – 6/30/01 Research Mentorship Program Participant  
Department of Ophthalmology  
Children's Hospital National Medical Center  
Washington, D.C.

9/1/01 – 4/30/04 Attending Staff Ophthalmologist  
Columbus Children's Hospital  
Department of Ophthalmology  
Columbus, Ohio

9/1/01 – 4/30/04 Attending Staff Ophthalmologist  
Grant/Riverside Hospitals  
Departments of Ophthalmology  
Columbus, Ohio

9/1/01 – 4/30/04 Attending Staff Ophthalmologist  
University Hospital  
Ohio State University Medical Center  
Department of Ophthalmology

## Columbus, Ohio

7/1/04 – 1/18/10	Attending Staff Ophthalmologist Pittsburgh Eye and Ear Institute The University of Pittsburgh Medical Center Pittsburgh, PA
8/1/04 – 1/18/10	Attending Staff Ophthalmologist Children’s Hospital of Pittsburgh Pittsburgh, PA
8/1/04 – 1/18/10	Attending Staff Ophthalmologist Presbyterian Hospital, The University of Pittsburgh Medical Center Pittsburgh, PA
8/1/04 – 1/18/10	Attending Staff Ophthalmologist Montifiore Hospital, The University of Pittsburgh Medical Center Pittsburgh, PA
9/13/05 – 1/18/10	Attending Staff Ophthalmologist UPMC Shadyside Hospital Pittsburgh, PA
9/13/05 – 1/18/10	Attending Staff Ophthalmologist UPMC Passavant and UPMC Cranberry Hospitals Allison Park and Cranberry, PA
10/1/05 – 1/18/10	Attending Staff Ophthalmologist The Children’s Institute Pittsburgh, PA
2006-Present	Visiting Professor and Surgeon, <b>The Goutami Eye Hospital,</b> Rajamundry, India.
1/23/07 – 1/18/10	Attending Staff Ophthalmologist The Children’s Home Pittsburgh, PA
9/1/08 – 1/18/10	Attending Staff Ophthalmologist Mercy Hospital of UPMC Pittsburgh, PA
12/9/10 – Present	Attending Staff Ophthalmologist Children’s Hospital Medical Center of Akron Akron, OH

8/1/11– Present	Attending Staff Ophthalmologist SUMMA Medical Center Akron, OH
8/1/11– Present	Attending Staff Ophthalmologist Brecksville Surgery Center Brecksville, OH
4/1/12-4/1/17	Visiting Professor of Ophthalmology Liaocheng Peoples Hospital Liaocheng, Shaudong, China
3/20/17-3/20/22	Honorary Visiting Professor of Ophthalmology Houlang Eye Hospital Chengsha, Hunan Province, China
10/12/2018-Present	Adjunct Clinical Assistant Professor, Department of Specialty Medicine, Ohio University College of Osteopathic Medicine, Athens, Ohio
4/7/19-4/12/19	Honorary Visiting Professor of Ophthalmology Liang Kang Eye Hospital, Bright Eyes Corporation Jinan, Shandong Provenca, China

**SPECIALTY CERTIFICATION:**

- 1977 American Board of Opticianry
- 1985 National Board of Medical Examiners
- 1991 Certified By American Board of Ophthalmology
- 1991 Fellow American Academy of Ophthalmology
- 1992 Member American Association of Pediatric Ophthalmology and Strabismus
- 1995 Fellow of the American College Of Surgeons
- 2002 Specialty Fellow American Academy of Pediatrics

**LICENSURE:**

Ohio; MD 35.052179 - Active  
Massachusetts; MD 55665 643263 (May 1, 1986, Inactive)  
Pennsylvania; MD 043522 E (January 1, 2011, Inactive)  
New Jersey: MD MA 59833 (September 15, 1993, Inactive)

**AWARDS, HONORS & MEMBERSHIP IN HONORARY SOCIETIES:**

- 1981-82 President, Medical Class of 1984, Northeastern  
Ohio Universities College of Medicine
- 1981-83 Melvin E. Jones Eyebank and Research Foundation  
Scholarship
- 1983 ALPHA OMEGA ALPHA Medical Honor Society

- 1985 Third Place, House Staff Science Day, St. Lukes Hospital, Cleveland, Ohio
- 1992 "Golden Apple" Award, Best Resident Teacher, The Scheie Eye Institute, The University of Pennsylvania, 1991-1992.
- 1998 "Golden Apple" Award, Best Resident Teacher, The Scheie Eye Institute, The University of Pennsylvania, 1997-1998.
- 1998 American Academy of Ophthalmology – Honor Award
- 2000-Present Associate Examiner, American Board of Ophthalmology
- 2001 Honor Award, The American Association for Pediatric Ophthalmology and Strabismus, Presented at the Annual Meeting, 3/21/01, Orlando, Fla.
- 2003 Ohio Ophthalmological Society, Special Recognition Award, Annual OOS Meeting, February 1, 2003 Dublin, Ohio.
- 2004 Makely-Battles Teaching Award for Resident Instruction for Academic Year 2003-2004, The Ohio State University Department of Ophthalmology.
- 2005 Orbis Medical Faculty Award
- 2007 Chief Resident Teaching Award, The UPMC Eye Center, The University of Pittsburgh Department of Ophthalmology, Year 2006-2007.
- 2008 Patient Satisfaction Award, Outstanding Achievement in Patient Care, Children’s Hospital of Pittsburgh, Fiscal Year 2008
- 2010 James B Carl, MD, Clinical Instructor of The Year Award 2009-2010, Presented by the Senior Residents in The Department of Ophthalmology, The University of Pittsburgh School of Medicine.
- 2010 The American Academy of Ophthalmology Senior Achievement Award
- 2011 The 2011 Northeastern Ohio Universities College of Medicine, Distinguished Alumni Award. Rootstown, Ohio
- 2014 SUMMA Health System, Ophthalmology Department Residency Program, Teacher of the Year, 2014
- 2016 Heart of Hudson Honoree, Representing Akron Children’s Hospital at a “Taste of Hudson” fundraising event. Laurel Lakes Country Club.
- 2017 Senior Honor Award, The American Association for Pediatric Ophthalmology and Strabismus, Presented at the Annual Meeting, 4/2017, Nashville, TN.

**MEMBERSHIPS IN PROFESSIONAL & SCIENTIFIC SOCIETIES:**

- American Medical Association 1981-1998
- Opticians Association of America 1977-1984
- Physicians for Social Responsibility 1981-1984
- National Association of Residents and Interns 1984-1989
- Association for Research in Vision & Ophthalmology 1985-Present
- American Academy of Ophthalmology: Fellow 1991-Present
- USA Hockey and Amateur Hockey Association of the U.S. 1990-Present
- American Association for Pediatric Ophthalmology and Strabismus 1992-Present
- Fellow of the American College of Surgeons 1995-Present
- Society of Civil War Surgeons 1996-2002-2005
- Pediatric Eye Disease Investigator Group 1998-2010
- Cogan Ophthalmic History Society 2000 - Present



**LOCAL SOCIETIES:**

Ohio State Medical Association 1980-1984  
Ohio Ophthalmological Society 1981-1985, 2001-2004  
Massachusetts Medical Society 1986-1989  
Pennsylvania Medical Society 1989-1998  
Pennsylvania Association for Blind & Visually Impaired Athletes 1990-1993  
Pennsylvania Academy of Ophthalmology 1992-1998  
American College of Surgeons (Washington D.C. Chapter) 1998-2001  
Columbus Medical Association 2001-2004  
Ohio Medical Association 2001-2004  
American College of Surgeons (Columbus, Ohio Chapter) 2002-2004  
Columbus Society for Otolaryngology and Ophthalmology 2002-2004  
American College of Surgeons (Pittsburgh, PA Chapter) 2004-2010  
Pittsburgh Pediatric Society, Pittsburgh PA 2005-2010  
The Pittsburgh Ophthalmological Society 2005 – 2010  
The C.F. Reynolds Medical History Society - Univ of Pitt School Of Medicine 2006-2010

**BIBLIOGRAPHY (Materials Published or in Press):****ORIGINAL PAPERS:**

1. Tishler C, **Hertle R**: The fitting and dispensing of spectacles to the pediatric patient: A psychological perspective. *Optical Index.* 55:25-29, 1980.
2. Rogers E, Tsau C, Tishler C, **Hertle R**, Fellows R: Visual acuities in infants with congenital cataracts operated on prior to six months of age. *Arch Ophthalmol.* 99:1523-27, 1981.
3. **Hertle R**: Errors in emergency medicine: Case report. *Emergency Medicine.* 3:131, 1986.
4. Leigh F, Rushton D, Thurston S, **Hertle R**: Optical treatment of oscillopsia due to acquired nystagmus. *Neurology.* 36:262, 1986.
5. **Hertle R**, Tabuchi A, Dell'Osso L, Abel L, Weissman B: Saccadic oscillations and intrusions preceding the postnatal appearance of congenital nystagmus. *Neuroophthalmology.* 8:37-42, 1988.
6. Leigh R, Rushton D, Thurston S, **Hertle R**, Yaniglos S: Effects of retinal image stabilization in acquired nystagmus due to neurological disease. *Neurology.* 38:122-127. 1988.
7. **Hertle R**, Beinfang D: Oculographic analysis of acute esotropia secondary to a thalamic hemorrhage. *J. Clin. Neuroophthalmol.* 10:21-26. 1990.
8. Leigh R, Rushton D, Thurston S, **Hertle R**, Yaniglos S: Effect of retinal image stabilization in acquired nystagmus due to neurologic disease. *Ophthalmology* 3:29, 1988.
9. **Hertle R**, Robb R: Pinealoblastoma metastatic to the optic nerve: Case Report, *J. Clin. Neuroophthalmol.* 10:95-99. 1990.
10. **Hertle R**, Leahey A, Bloom S, Schaffer D, Bartlett S: Chorioretinal folds and a lamellar macular hole secondary to craniofacial surgery. *Ophthal Plast & Reconstr Surg.* 6:278-282. 1990.
11. **Hertle RW**, Quinn G, Duhaime A: Letter to the Editor; Retinal hemorrhage after cardiopulmonary resuscitation. *Pediatrics.* 86:649-50. 1990.
12. **Hertle R**, Gole G, Quinn G: Reinsertion site remodeling after suspension & conventional recession of extraocular muscles: An initial study in rabbits. *Binocular Vision,* 6:227-235. 1991.
13. **Hertle R**, Quinn G, Katowitz J,: Vision loss in patients with craniofacial synostosis. *J. Pediatr Ophthalmol & Strab.* 28:341-341,1991.
14. **Hertle R**, Durso F, Metzler J, Varsa F: Epibulbar squamous cell carcinomas in brothers with xeroderma pigmentosa. *J. Pediatr Ophthalmol & Strab.* 28:350-353. 1991.
15. **Hertle R**, Quinn G, Katowitz J: Ocular and adnexal findings in patients with facial microstomias. *Ophthalmology.* 1992:99;114-119.
16. **Hertle R**, Katowitz J, Young T, Quinn G, Farber M: Congenital unilateral fibrosis, ptosis, and enophthalmos syndrome. *Ophthalmology,* 1992:99;347-355.
17. Duhaime AC, Alario AJ, Lewander WJ, Schut L, Sutton LN, Seedily S, Nudelman S, Budenz, D, **Hertle R**, Tsiaras W, Loporchio S: Head Injury in Very Young Children: Mechanisms, Injury Types, and Ophthalmologic Findings in 100 Hospitalized Patients Younger Than 2 Years of Age. *Pediatrics* 1992:90;179-185.

18. **Hertle**, RW, James, M, and Farber, MG. Insertion Site Dynamics and Histology In A Rabbit Model After Conventional or Suspension Rectus Recession Combined With Ipsilateral Antagonist Resection. J. Pediatric Ophthalmol and Strabismus 1992;30;184-191.
19. Granet, DB, **Hertle** RW: Hyphema as a Complication During Adjustable Suture Surgery. Letter: Arch. Ophthalmol 1993;111:733.
20. **Hertle**, RW, Ziylan S, Katowitz JA: Ophthalmic Findings and Visual Prognosis In Treacher-Collins Syndrome. British J Ophthalmol 1993;77:642-645.
21. **Hertle**, RW: Diagnosis of An Isolated Overacting Cyclovertical Muscle Using A Modification of The Parks' Three-Step Test. Strabismus 1993;1:107-120.
22. **Hertle**, RW, Granet DB, Ziylan, S: The Intraoperative Oculocardiac Reflex as a Predictor of Postoperative Vaso-Vagal Responses During Adjustable Suture Surgery. J Pediatric Ophthalmol and Strabismus 1993;30:306-311.
23. Granet, DB, **Hertle**, RW, Quinn GE, Breton ME: The Visual Response In Infants With Central Visual Impairment. Am J. Ophthalmol 1993;116;437-443.
24. **Hertle**, RW, Mollett, L, Frayer WL: Application of the Potassium-Titanyl-Phosphate Laser During Extraocular Muscle Surgery: Technique and Histopathology. Lasers In Surgery and Medicine, 1994;15;83-90.
25. Granet, DB, **Hertle**, RW, Ziylan S: The Use Of Hyaluronic Acid During Adjustable Suture Surgery. J Ped Ophthalmol Strab 1994;31;287-289.
26. Saran, BR, Maguire AM, Brucker AJ, **Hertle**, RW, Nichols C, Goldman S: Hypopyon As A Manifestation Of Severe Anterior Uveitis In AIDS Patients On Rifabutin and Fluconazole. Archives of Ophthalmology, 1994;112;1159-1165.
27. Weisgold D, Maquire A, Kalin N, **Hertle** RW: Persistent Hyperplastic Primary Vitreous in Association with Aicardi's Syndrome. J Pediatric Ophthalmol and Strabismus, 1995;32;52-54.
28. Jan JE, Good WJ, Lyons CJ, **Hertle** RW: Visually Impaired Children with Sensory Defect Nystagmus, Normal Appearing Fundi and Normal ERG's. Dev Med Child Neurol. 1996 Jan;38(1):74-80.
29. **Hertle**, RW, Schaffer, DB: Ophthalmia Neonatorum: A Clinical Update. Current Concepts In Ophthalmology 1995;3;39-47. Pennsylvania Academy of Ophthalmology Clinical Review Series
30. Duhaime AC, Christian C, Armonda R, Hunter J, **Hertle** R: Disappearing Subdural Hematomas in Children. Pediatric Neurosurgery 1996;25:116-122.
31. **Hertle**, RW: Ocular Manifestations of Genetic and Developmental Diseases, Current Opinion in Ophthalmology Dec 1996;7:6;72-79.
32. **Hertle** RW: Discussion, Grand Rounds #44, A Case of Nystagmus With Fixation Abduction With a Large Residual Contralateral Esotropia After Prior Esotropia Surgery. (Kushner BJ, ed). Binocular Vision and Strabismus Quarterly, Vol. 11 (No. 4), Fourth Quarter 1996.
33. **Writing Committee, Investigator** Multicenter Trial Of Cryotherapy For Retinopathy Of Prematurity - Snellen Visual Acuity And Structural Outcome At 5 1/2 Years After Randomization. Archives of Ophthalmology. 114: (4) 417-424 APR 1996
34. Portellos M, Roustas ST, **Hertle** RW Histopathologic analysis of tissue relationships to sutures placed during strabismus surgery. Investigative Ophthalmology & Visual Science 37: (3) 2215-2215 FEB 15 1996

35. Bacal DA, Rousta S, **Hertle** RW, Maguire AM: Restrictive Strabismus Following Ocular Surgery for Retinitis Pigmentosa in Cuba. Archives of Ophthalmology 1997;115:930-931.
36. **Hertle** RW, Bacal, DA: Traumatic hyphema: Evaluation and management. Contemporary Pediatrics 1997: 7:1;51-68.
37. **Hertle** RW, Nesbun K, Katowitz J: "Visual Consequences of Ocular and Adnexal Findings in Patients with Goldenhar's Syndrome". Journal of Nursing and Technology Jan/Feb1997:10:1;12-17.
38. **Hertle** RW, Orlin SE: "Successful Visual Rehabilitation After Neonatal Penetrating Keratoplasty". British Journal of Ophthalmology, Aug 1997:81:8;644-648.
39. **Hertle** RW, Granet DB, Schaffer MA, Wilson MC: "Adjustable Horizontal Rectus Recession Surgery for Disparate Distance-Near Ocular Deviations". Strabismus, Sept. 1997:5:3;109-115.
40. **Hertle** RW, Zhu XS: "Infrared Oculographic Unmasking of Idiopathic Abnormal Head Posturing Due to Occult Nystagmus (In the Absence of Clinically Detectable Ocular Oscillations)". Binocular Vision and Strabismus Quarterly 1997:12(2);91-98.
41. **Hertle** RW: "Ocular Manifestations of Genetic and Developmental Diseases". Current Opinion in Ophthalmology. Dec 1997:8(6);66-73.
42. **Hertle** RW: "Ophthalmic Injuries and Civil War Medicine". Documenta Ophthalmologica, 1998:94;123-137.
43. **Hertle** RW: "Clinical Characteristics of Surgically Treated Strabismus in Adults". J Pediatric Ophthalmol Strab, 1998:35;138-145
44. **Hertle** RW, Granet DB: "Clinical Characteristics of Adult Strabismus and Results of Surgical Treatment." American Orthoptic Journal, 1998:48;65-75.
45. **Hertle** RW, Katowitz JA, Whitaker LA, Bartlett SP: "Visual and Ophthalmic Consequences in Children with Major Craniofacial Malformations" in: "Craniofacial Surgery 7: Proceedings of the VII International Congress of the International Society of Craniofacial Surgery". Editor: Linton A. Whitaker; Monduzzi Eitore, S.p.A., via Ferrarese, 1119/2-40128 Bologna, Italy;1998, pp. 263-264.
46. Liu GT, **Hertle** RW, Quinn GE, Schaffer DB: "Comitant Esodeviation Resulting From Neurologic Insult in Children". Journal of AAPOS, Sep. 1997:1(3);143-146.
47. **Hertle** RW, Wilson M. "Biopsy of the Extraocular Muscle: Description of a Technique". J Pediatric Ophthalmol Strab 1998:35;48.
48. Bacal D, **Hertle** RW. "Don't be lazy about looking for amblyopia". Contemporary Pediatrics 1998:15;99-107.
49. Simons BD, Wilson MW, **Hertle**, RW, Schaffer DB. Bilateral Hyphemas and Cataracts After Diode Laser Retinal Photoablation for Retinopathy of Prematurity. J Pediatric Ophthalmol and Strabismus 1998:35;185-187.
50. Lanzl IM, Augsburger JJ, **Hertle** RW, Rapuano C, Correa-Melling Z, Santa Cruz C. The role of ultrasound biomicroscopy in surgical planning for limbal dermoids. Cornea 1998 Nov;17(6):604-6
51. **Hertle**, RW, Dell'Osso, L.F. Clinical and Ocular Motor Analysis of Congenital Nystagmus In Infancy. J Am Assoc Pediatric Ophthalmol and Strab 1999:3;70-79.
52. Dell'Osso. LF, **Hertle** RW, Williams RW, Jacobs JB. A New Surgery for Congenital Nystagmus: Effects of Tenotomy On AN Chiasmatic Canine and the Role of Extraocular Proprioception. J Am Assoc Pediatric Ophthalmol and Strab 1999:3;166-182.

53. Bacal, DA, Rousta, ST, **Hertle**, RW. Why Early Vision Screening Matters Contemporary Pediatrics 1999;16;155-167.
54. Bacal, DA, **Hertle**, RW, Maguire, MG. Correlation of Postoperative Muscle Adjustment with its Immediate Effect on the Strabismic Deviation. Binocular Vision Quarterly 1999;14(4); 277-283.
55. **Hertle**, RW, Dell'Osso LF. Vertical Latent Nystagmus Component and Vertical Saccadic Asymmetries in Subjects with Dissociated Vertical Deviations: Letter to the Editor. Journal of American Association for Pediatric Ophthalmology and Strabismus 1999;3;257-258.
56. Christian CW, Taylor AA, **Hertle** RW, Duhaime AC. Retinal hemorrhages caused by accidental household trauma. J Pediatr 1999 Jul;135(1):125-7
57. **Hertle**, RW, Dell'Osso, LF. Letter to the Editor Re: Response to Editorial, Congenital Nystagmus: In Search of Simplicity on the Other Side of Complexity, by Latif M. Hamed, M.D. Journal of AAPOS 1999;3;67-68. Journal of American Association for Pediatric Ophthalmology and Strabismus, J. Amer. Assoc. Ped Ophthalmol. Strab 2000;4;62.
58. **Hertle**, RW, Zhu, X. Oculographic and Clinical Characterization of 37 Children with Anomalous Head Postures (AHP), Nystagmus and Strabismus: The Basis of An Algorithm for Clinical Diagnosis and Surgical Treatment. Journal of American Association for Pediatric Ophthalmology and Strabismus J. Amer. Assoc. Ped Ophthalmol. Strab 2000;4;25-32.
59. The STOP-ROP Multicenter Study Group: Supplemental Therapeutic Oxygen for Prethreshold Retinopathy of Prematurity (STOP-ROP), A Randomized, Controlled Trial. I: Primary Outcomes Pediatrics 2000; 105: 295-310. (**Co-Investigator**)
60. Steigleman, A, **Hertle**, RW, Jain, A, Caruso, RC: Optic Nerve and Cortical Atrophy in a Patient with Hyper-IgM Syndrome, Neuro-ophthalmology 23:43-47, 2000.
61. **Hertle** RW: Discussion, Grand Rounds #59, A Case of Restrictive Strabismus Secondary to Orbital Wegener's Granulomatosis. (Kushner BJ, ed). Binocular Vision and Strabismus Quarterly, 15:240-246;2000.
62. **Hertle**, RW, Raab EL, Ing, M, Helveston E. Infantile Esotropia, Eye to Eye. J Pediatric Ophthalmology and Strabismus 2000;37;228-231.
63. Stark, KL, Gibson, JB, **Hertle**, RW, Brodsky MC., Ocular Motor Signs in an Infant with Carbohydrate-Deficient Glycoprotein Syndrome Type Ia. Am J Ophthalmol 2000;130;533-535
64. Robinson, MR, Fine, HF, Ross, ML, Mont, EK, Bryant-Greenwood, PK, **Hertle**, RW, Nussenblatt, RL, Tisdale, JF, Young, NS, Zeichner, SL, Walsh, TJ. Sino-Orbital-Cerebral Aspergillosis in Pediatric Patients: A Report of 3 cases and Review. J Pediatric Infectious Diseases 2000 Dec;19;12:1197-203
65. **Hertle**, RW. Examination and Refractive Management of Patients with Nystagmus, Surv Ophthalmol 2000 Nov 1;45(3):215-222.
66. **Hertle**, RW. Wilson MC: Adjunctive Use of Alpha-chymotrysin During Infantile Lensectomy and Vitrectomy. J Ped Ophthalmol Strab 2001;38;109-111.
67. Holmes, JM, Beck, RW, Repka, MX, Leske, DA, Kraker, RT, Blair, C, Moke, PS, Birch, EE, Saunders, RA, **Hertle**, RW, Quinn, GE, Simons, KA, Miller, JM for the Pediatric Eye Disease Investigator Group The Amblyopia Treatment Study Visual Acuity Testing Protocol Archives of Ophthalmology 2001;119;1345-1353.
68. **Hertle** RW, Avallone JM, Cheeseman E, Tsilou EK, Late Onset Oscillopsia In Patients with Congenital Nystagmus. Ophthalmology 2001;108;2301-2307.

69. **Hertle**, RW, Maybodi, M., Mellow, SD, Yang, D. Clinical and Oculographic Response to Tenuate Dospan (diethylpropionate) In A Patient With Congenital Nystagmus, American Journal Of Ophthalmology 2002;133;159-160.
70. Cryotherapy for Retinopathy of Prematurity Cooperative Group. Multicenter Trial of Cryotherapy for Retinopathy of Prematurity: Ophthalmologic Outcomes at 10 years of age. Arch Ophthalmol. 2001;119:1110-1118. **(Co-Investigator)**
71. Cryotherapy for Retinopathy of Prematurity Cooperative Group. Effects of Retinal Ablative Therapy for Threshold Retinopathy of Prematurity: Results of Goldman Perimetry at the age of 10 years. Arch Ophthalmol. 2001;119:1120-1125. **(Co-Investigator)**
72. Cryotherapy for Retinopathy of Prematurity Cooperative Group. Contrast Sensitivity at age 10 years in children who had Threshold Retinopathy of Prematurity. Arch Ophthalmol. 2001;119:1129-1133. **(Co-Investigator)**
73. Prenner, JL Binenbaum, G, Carpentieri, DF, Goldstein, SM, Douglas, RS, **Hertle**, RW, Ruchelli, E, Katowitz, JA. Treacher-Collins Syndrome with Novel Ophthalmic Findings and Visceral Anomalies. British J. Ophthalmol. 2002;86:472-473
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53. **Hertle** RW: Anterior Segment, Chapter Contribution for "Review of Pediatrics" In: National Self-Assessment Examination in Pediatrics. (Burg FC, Vaughann, III VC, eds., 1997)
54. **Hertle** RW, Photophobia in: Clinical Decision Making in Pediatric Ophthalmology, Cibis GW, Cibis-Tongue A, Stass-Isern Mdemy of Ophthalmology Annual Meeting, New Orleans, LA, 11/08/98.
55. **Hertle** RW: Uveitis and Hyphema, Chapter Contribution In: Gellis & Kagan’s Current Pediatric Therapy 16. (Burg FD, Ingelfinger JR, Polin RA, Wald ER, eds), 1999, pp1010-1012.
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64. **Hertle** RW, Supranuclear eye movement disorders, acquired and neurological nystagmus Chapter in:Pediatric Ophthalmology and Strabismus, 3e David Taylor and Craig Hoyt, edsElsevier Saunders ISBN 0-7020-3708-1
65. **Hertle**, RW, Quinn GE, Schaffer, DB, Napolitano JA, Granet, DB, Markowitz GD: Visual Rehabilitation After Cataract Extraction In Children Using Intraocular Lenses. Update on Strabismus and Pediatric Ophthalmology Proceedings of the 20th Annual Meeting of The American Association of Pediatric Ophthalmology and Strabismus and The 7th Annual Meeting of The International Strabismologic Association, Vancouver B.C., Canada June 1994, 1995:511-514, Lennerstand, G; Editor.

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### **EDITORIAL RESPONSIBILITIES:**

- Reviewer: Retina, The Journal of Retinal and Vitreous Diseases. Alexander J. Brucker, Editor In Chief: 1992-1998.
- Reviewer: Journal Of Pediatric Ophthalmology and Strabismus. Burton J. Kushner, M.D., Editor In Chief: 1994-1996.
- Reviewer: Journal Of The American Association for Pediatric Ophthalmology and Strabismus. Burton J. Kushner, M.D., Sherwin Isenberg, M.D., Editors In Chief: 1997-Present.
- Reviewer: Investigative Ophthalmology and Visual Science. Veronica Doyle, Managing Editor: 1996-Present.
- Moderator: Pediatric Ophthalmology, On-line Forum: 1996-2000
- Reviewer: Journal Of Pediatric Ophthalmology and Strabismus. Anthony Caputo, Leonard B. Nelson, M.D. Editors In Chief: 1997-Present.
- Reviewer: Ophthalmic Surgery and Lasers. Carmen A Puliafito, M.D., Editor In Chief: 1997-1998.
- Reviewer: Optometry and Vision Science. Mark A. Bullimore, MCOptom, Ph.D., Editor in Chief, 1998-Present.
- Reviewer: Investigative Ophthalmology and Visual Science. Gerald J Chader, Ph.D., MDhc, Editor In Chief, 1998-Present.
- Reviewer: Human Brain Mapping, Peter T. Fox, M.D., Editor-in-Chief, JOHN WILEY & SONS, Inc. 605 Third Avenue, 9th Floor, N.Y., NY, 2002-Present.



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Reviewer: The American Journal of Ophthalmology, Thomas J. Liesegang, M.D., Editor-In-Chief, Elsevier Science Inc., Orlando, FLA. 2002-Present

Reviewer: Comprehensive Ophthalmology Update, Bernard Schwartz, M.D., Ph.D., Editor-In-Chief, LLC, 7 Kent Street, Brookline, MA, 2002-Present.

Scientific Editor Text; "Why Do I Need Glasses? An Inside Look at the Eyes" Lake Street Publishers, Minneapolis, MN (In-Press)

Reviewer: Strabismus, H.J. Simonsz, Editor In Chief. Swets & Zettinger Publishers, SZ, Lisse, The Netherlands, 2003-Present

Reviewer: Ophthalmology, Andrew P. Schachat Editor-In-Chief, Elsevier Science Inc., NY., N.Y. 2003-Present.

Editor: Binocular Vision and Strabismus Quarterly, Paul E. Romano, Editor-In-Chief, 2003

Reviewer: Vision Research, Elsevier Press, San Diego Ca, 2005-Present

Reviewer: Digital Journal of Ophthalmology, 2005-2009

Reviewer: Operating Grant Review, Canadian Institute of Health Research, Industry Programs Branch, April-May 2006

Reviewer: Annals of Neurology, Steven A. Hauser, Editor, John Wiley & Sons, Inc 2006-2009

Member: International Advisory Board of the Middle East African Journal of Ophthalmology 2011-Present

Editor: The American Academy of Ophthalmology KTEF Pediatric Ophthalmology Education Center (2014-Present)

#### **INVESTIGATOR OF GRANTS/ PROTOCOLS:**

**"THE DEVELOPMENT OF THE EYE MOVEMENT SYSTEM IN INFANCY AND CHILDHOOD:"** Principal Investigator. The Joseph Stokes, Jr. Biomedical Research Foundation Support Grant. The Children's Hospital of Philadelphia, November 1991. \$7,000.00.

**"CYRO-ROP FOLLOW-UP CLINICAL CENTER:"** Co-Investigator. NIH-NEI Grant No. 2-U01-EY-06363. Project Period 6/1/89-5/31/94. \$895,884.00.

**"THE DEVELOPMENT OF THE EYE MOVEMENT SYSTEM IN INFANCY AND CHILDHOOD:"** Principal Investigator, The Benard S. Benard Foundation, N. Y., N.Y., 2/1/92. \$10,000.00.

**"SUPPLEMENTAL THERAPEUTIC OXYGEN FOR PRETHRESHOLD RETINOPATHY OF PREMATURITY. (STOP-ROP)"** Co-Investigator, Examiner. NIH-NEI Grant No. Project Period 1994-1997

PRINCIPAL INVESTIGATOR, Richard W. Hertle, M.D.: **"SCREENING STUDY FOR THE EVALUATION AND DIAGNOSIS OF POTENTIAL RESEARCH SUBJECTS WITH NYSTAGMUS OR STRABISMUS"** Protocol Number 99-EI-0035, Active 1998-Present. Intramural NIH, LSR/NEI

PRINCIPAL INVESTIGATOR, Richard W. Hertle, M.D.: **"AMBLYOPIA TREATMENT STUDY"** Protocol Number 99-EI-0110, Active 1999-Present. Intramural NIH, LSR/NEI Co-Investigators; Edmond J. Fitzgibbon, M.D., Laboratory of Sensorimotor Research, NEI, The Pediatric Eye Disease Investigator Group, The Jaeb Center for Health Research, Tampa, FLA.

PRINCIPAL INVESTIGATOR, Richard W. Hertle, M.D.: **"HORIZONTAL RECTUS TENOTOMY IN THE TREATMENT OF CONGENITAL NYSTAGMUS"** Protocol Number 99-EI-0152, Active 1999-Present. Intramural NIH, LSR/NEI Co-Investigators; Louis F. Dell'Osso, Ph.D., Departments of Bioengineering and Neurology, Case Western Reserve University, Cleveland, Ohio. Frederick A Miles, D. Phil., Laboratory of Sensorimotor Research, NEI Edmond J. Fitzgibbon, M.D., Laboratory of Sensorimotor Research, NEI George F. Reed, Ph.D, Chief, Biometry Branch. NEI, Division of Biometry and Epidemiology, Dongsheng Yang. Ph.D. Post-Doctoral Fellow, NEI, Laboratory of Sensorimotor Research.

PRINCIPAL INVESTIGATOR, Richard W. Hertle, M.D.: **"OCULAR MOTOR DEVELOPMENT DURING THE FIRST SEVEN MONTHS OF LIFE IN INFANTS WITH AND WITHOUT A FAMILY HISTORY OF STRABISMUS"** Protocol Number 00-EI-0005, Active 1999-July 2001. Intramural NIH, LSR/NEI Co-Investigators; Frederick A Miles, D. Phil., Laboratory of Sensorimotor Research, NEI Edmond J. Fitzgibbon, M.D., Laboratory of Sensorimotor Research, NEI George F. Reed, Ph.D, Chief, Biometry Branch. NEI, Division of Biometry and Epidemiology, Dongsheng Yand, Ph.D., Post-Doctoral Fellow, NEI, Laboratory of Sensorimotor Research

PRINCIPAL INVESTIGATOR, Edmond J. FitzGibbon, M.D., **"VISUAL MOTOR COORDINATION IN MAN"** Protocol Number: 80-EI-0093 Active August 1998-July 2001. Intramural NIH, LSR/NEI Co-Investigators: Richard W. Hertle, M.D. and Frederick A Miles, D. Phil., Laboratory of Sensorimotor Research, NEI/NIH.

PRINCIPAL INVESTIGATOR, Richard W. Hertle, M.D., **"EVALUATION AND TREATMENT PROTOCOL FOR PATIENTS WITH PEDIATRIC EYE DISEASES AND STRABISMUS"** Protocol Number 01 EI-0023: Active 2000-July 2001. Intramural NIH, LSR/NEI Laboratory of Sensorimotor Research, NEI/NIH.

PRINCIPAL INVESTIGATOR, Richard W. Hertle, M.D.: **"A PILOT STUDY TO ASSESS THE EFFECTIVENESS OF AMBLYOPIA TREATMENT IN 10 TO 18-YEAR-OLDS (ATS3)"**, Active 2000-Present. Intramural NEI/NIH Protocol # 01-EI-0050, Laboratory of

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Sensorimotor Research, NEI, and The Multicenter Trial Coordinated By The Pediatric Eye Disease Investigator Group, The Jaeb Center for Health Research, Tampa, FLA.

**PRINCIPAL INVESTIGATOR, Richard W. Hertle, M.D. “CLASSIFICATION OF EYE MOVEMENT ABNORMALITIES AND STRABISMUS (CEMAS) WORKSHOP”**  
Februrary 9<sup>th</sup> and 10<sup>th</sup> 2001, NEI/NIH Campus.

**EXAMINING/TREATING OPHTHALMOLOGIST: “EARLY TREATMENT FOR RETINOPATHY OF PREMATURITY”**, Active 9/30/99-Present. Extramural NEI/NIH, Multicenter Trial,

**PRINCIPAL INVESTIGATOR: “AMBLYOPIA TREATMENT STUDY ATS2: AN EVALUATION OF PATCHING REGIMENS FOR AMBLYOPIA ”**, Active 2000-Present. The Columbus Children’s Hospital and Co-Investigator for The Multicenter Trial Coordinated By The Pediatric Eye Disease Investigator Group, The Jaeb Center for Health Research, Tampa, FLA. Extramural NEI/NIH, Multicenter Trial,

**LICENSED EYE CARE PROFESSIONAL EXAMINER: VISION IN PRESCHOOLERS STUDY (VIPS)**, Active 2000- Present, Multicenter Study Sponsored by The National Eye Institute, Ohio State University College of Optometry, Columbus, Ohio Study Site. Principal Investigator’s Paulette Schmidt, O.D. and Marjean Kulp, O.D.

**PRINCIPAL INVESTIGATOR - OPHTHALMIC EVALUATION OF PATIENTS WITH CYSTINOSIS WHILE USING TOPICAL CYSTEAMINE IN THE TREATMENT OF CORNEAL CYSTINE CRYSTAL ACCUMULATION**, Active March 2002- April 2004, Sponsored By Columbus Children’s Hospital and The Department of Ophthalmology, The Ohio State University. Co-Investigators, Karen Lerhaupt, M.D., John Mahan, M.D.

**PRINCIPAL INVESTIGATOR: EVALUATION AND DATA COLLECTION PROTOCOL OF PATIENTS WITH OCULAR MOTOR DISEASES**. Active March 2002- April 2004, Sponsored By Columbus Children’s Hospital and The Department of Ophthalmology, The Ohio State University.

**PRINCIPAL INVESTIGATOR: “AMBLYOPIA TREATMENT STUDY ATS4: A RANDOMIZED TRIAL COMPARING DAILY ATROPINE vs. WEEKEND ATROPINE FOR MODERATE AMBLYOPIA ”**, Active 2002- April 2004. The Columbus Children’s Hospital and Co-Investigator for The Multicenter Trial Coordinated By The Pediatric Eye Disease Investigator Group, The Jaeb Center for Health Research, Tampa, FLA. Extramural NEI/NIH, Multicenter Trial,

**CO- INVESTIGATOR: PHASE III TRIAL OF HYDROXYCHLOROQUINE + STANDARD THERAPY FOR CHRONIC GRAFT VERSUS HOST DISEASE – CHILDREN’S ONCOLOGY GROUP ASCT0031**, Active 2002- April 2004. The Columbus Children’s Hospital and Multicenter Trial Coordinated By The Oncology Study Group, NCI/NIH.

**PRINCIPAL INVESTIGATOR: AMBLYOPIA TREATMENT STUDY: ATS5A: AN OBSERVATIONAL STUDY TO ASSESS THE RESPONSE TO SPECTACLE TREATMENT OF PREVIOUSLY UNTREATED ANISOMETROPIC AMBLYOPIA IN CHILDREN 3 TO <7 YEARS OLD ATS5B: A RANDOMIZED TRIAL TO COMPARE 2 HOURS OF DAILY PATCHING VERSUS A CONTROL GROUP FOR MODERATE AMBLYOPIA IN CHILDREN 3 TO <7 YEARS OLD** Active 2003- April 2004. The Columbus Children's Hospital and Co-Investigator for The Multicenter Trial Coordinated By The Pediatric Eye Disease Investigator Group, The Jaeb Center for Health Research, Tampa, FLA. Extramural NEI/NIH, Multicenter Trial,

**PRINCIPAL INVESTIGATOR: "AMBLYOPIA TREATMENT STUDY ATS3: AN EVALUATION OF TREATMENT OF AMBLYOPIA IN CHILDREN 7 TO <18 YEARS OLD"**, Approved and Funded By NEI/NIH-2002 for The Multicenter Trial Coordinated By The Pediatric Eye Disease Investigator Group, The Jaeb Center for Health Research, Tampa, FLA. Extramural NEI/NIH, Multicenter Trial U10 Grant NEI/NIH

**PRINCIPAL INVESTIGATOR: "AMBLYOPIA TREATMENT STUDY ATS5: A RANDOMIZED TRIAL COMPARING MINIMAL PATCHING WITH TREATMENT WITH SPECTACLES ONLY FOR PATIENTS WITH AMBLYOPIA"** , Approved and Funded By NEI/NIH-2003 for The Multicenter Trial Coordinated By The Pediatric Eye Disease Investigator Group, The Jaeb Center for Health Research, Tampa, FLA. Extramural NEI/NIH, Multicenter Trial U10 Grant NEI/NIH

**PRINCIPAL INVESTIGATOR: DIVISION OF OPHTHALMOLOGY AT CHILDREN'S HOSPITAL OF PITTSBURGH EYE DISEASE RESEARCH REGISTRY.** Approved University of Pittsburgh IRB 7/17/2004.

**PRINCIPAL AWARDEE, FIGHT FOR SIGHT GRANT FFS PED0403**, \$20,0000 awarded 10/26/2004 for support of electrophysiological services at The Division of Ophthalmology, Children's Hospital of Pittsburgh..

**CO- INVESTIGATOR: ULTRA RAPID EYE MOVEMENTS IN STRABISMIC SUBJECTS**, NEI/NIH RO3 Grant EY015797-10. Dongsheng Yang, Ph.D. Principle Investigator, Active 2003-Present. The Laboratory of Visual and Ocular Motor Physiology, The University of Pittsburgh, The UPMC Eye Center and Children's Hospital of Pittsburgh.

**PRINCIPAL INVESTIGATOR: "A RANDOMIZED TRIAL COMPARING PATCHING VERSUS ATROPINE FOR AMBLYOPIA IN 7 TO <13 YEAR OLDS"**, Approved and Funded By NEI/NIH-2005 for The Multicenter Trial Coordinated By The Pediatric Eye Disease Investigator Group, The Jaeb Center for Health Research, Tampa, FLA. Extramural NEI/NIH, Multicenter Trial U10 Grant NEI/NIH

**CO-INVESTIGATOR: "A RANDOMIZED TRIAL COMPARING ATROPINE TO ATROPINE PLUS A REDUCED-PLUS LENS FOR THE SOUND EYE AS TREATMENTS FOR AMBLYOPIA IN CHILDREN 3 TO <7 YEARS OLD AMBLYOPIA TREATMENT STUDY 8"** Approved and Funded By NEI/NIH-2005 for The Multicenter Trial Coordinated By

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The Pediatric Eye Disease Investigator Group, The Jaeb Center for Health Research, Tampa, FLA. Extramural NEI/NIH, Multicenter Trial U10 Grant NEI/NIH.

**PRINCIPAL INVESTIGATOR: OCULAR MOTOR QUESTIONNAIRE STUDY.** The Children's Hospital of Pittsburgh, The UPMC Eye Center, The University of Pittsburgh. Approved University of Pittsburgh IRB 12/19/2006

**PRINCIPAL INVESTIGATOR University of Pittsburgh Site: AMBLYOPIA TREATMENT STUDY (A10) A RANDOMIZED TRIAL OF FULL-TIME BANGARTER FILTERS VERSUS PART-TIME DAILY PATCHING FOR THE TREATMENT OF MODERATE AMBLYOPIA IN CHILDREN** Approved and Funded By NEI/NIH-2005 for The Multicenter Trial Coordinated By The Pediatric Eye Disease Investigator Group, The Jaeb Center for Health Research, Tampa, FLA. Extramural NEI/NIH, Multicenter Trial U10 Grant NEI/NIH Date: 11/18/2007 University Of Pittsburgh IRB#: PRO07080086.

**CO-INVESTIGATOR CNMC0601: A RANDOMIZED STUDY OF DAILY VS. HIGH DOSE WEEKLY PREDNISONE THERAPY IN DUCHENNE MUSCULAR DYSTROPHY** University Pittsburgh and The Children's Hospital. Of Pittsburgh, 2007-2010

**CO-INVESTIGATOR A PHASE II TRIAL OF PEGINTERFERON ALFA-2B (PEGINTRON) FOR NEUROFIBROMATOSIS TYPE 1 RELATED UNRESECTABLE, SYMPTOMATIC OR LIFE-THREATENING PLEXIFORM NEUROFIBROMAS,** Regina Jakacki, M.D., Brigitte Widemann, MD (NCI), Eva Dombi, MD (NCI), Seth Steinberg, PhD (NCI), Howard Young, Ph.D the Children's Hospital of Pittsburgh and THE National Cancer Institute, 2007-2010

**CO-INVESTIGATOR A PHASE 1 SAFETY STUDY IN SUBJECTS WITH LEBER CONGENITAL AMAUROSIS (LCA) USING ADENO-ASSOCIATED VIRAL VECTOR TO DELIVER THE GENE FOR HUMAN RPE65 INTO THE RETINAL PIGMENT EPITHELIUM (RPE) [AAV2-HRPE65V2-101]** Albert M. Maguire, M.D. Eric Pierce, M.D., Ph.D, Jean Bennett MD, PhD.

**CO-INVESTIGATOR PUPILLARY LIGHT REFLEXES AND POSTMENSTRUAL AGE IN PRETERM NEONATES**, Maria Joana Osorio, Richard W. Hertle MD, Michael Painter, M.D., University Pittsburgh, and The Children's Hospital. Of Pittsburgh IRB#: PRO08030127, 6/17/08 to 2010

**CO-INVESTIGATOR THE RELATIONSHIP BETWEEN INTRAOCULAR PRESSURE AND INTRACRANIAL PRESSURE IN CHILDREN WITH TRAUMATIC BRAIN INJURY,** Mioara D. Manole, MD, Robert W. Hickey, MD, Robert S.B. Clark, MD, Richard A. Saladino, MD Danielle S. Brown, RN, MSGabriel Suci, M.S.P.H., Ph.D, the Children's Hospital of Pittsburgh, 2008-2010

**PRINCIPAL INVESTIGATOR TOPICAL BRINZOLAMIDE OPHTHALMIC SUSPENSION VERSUS PLACEBO IN THE TREATMENT OF INFANTILE NYSTAGMUS SYNDROME**

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Richard W. Hertle, Dongsheng Yang, Robert Burnstine, Akron Children's Hospital and Foundation, IRB Approval 101109 12/2/2010 – Present

**PRINCIPAL INVESTIGATOR: DIVISION OF OPHTHALMOLOGY AT CHILDREN'S HOSPITAL EYE DISEASE RESEARCH REGISTRY CHMCA IRB # Approval 110210 1/15/11-Present.**

**PRINCIPAL INVESTIGATOR: SAFETY AND EFFICACY OF TOPICAL LAMBDA CYHALOTHRIN (LCL) IN A CANINE MODEL OF NYSTAGMUS** Akron Children's Hospital and SUMMA Medical Center, Akron OH. \$22,000 Grant Support from The Vision of Children Foundation. 11975 El Camino Real, Suite 104 San Diego, CA 92130, July 2012.

**PRINCIPAL INVESTIGATOR: VISION CENTER OF AKRON CHILDREN'S HOSPITAL OPTICAL COHERENCE TOMOGRAPHY RESEARCH REGISTRY 12/2012- PRESENT** Akron Children's Hospital, Akron OH

**PRINCIPAL INVESTIGATOR-AKRON SITE: MULTICENTER STUDY; CONVERGENCE INSUFFICIENCY TREATMENT TRIAL – ATTENTION PILOT TRIAL (CITT-APT) 12/2012- 12/2014** Akron Children's Hospital, Akron OH

**CO-INVESTIGATOR-AKRON SITE: MULTICENTER STUDY AN OCULAR SAFETY STUDY OF IVACAFTOR-TREATED PEDIATRIC PATIENTS 11 YEARS OF AGE OR YOUNGER WITH CYSTIC FIBROSIS VERTEX STUDY NUMBER: VX12-770-115, IND NUMBER: 74,633.** Akron Children's Hospital, Akron OH

**PRINCIPAL INVESTIGATOR-AKRON SITE: MULTICENTER STUDY; CONVERGENCE INSUFFICIENCY TREATMENT TRIAL – ATTENTION AND READING TRIAL (CITT-ART) 4/2014- PRESENT** NEI 1U10EY022600 – 01A1 Akron Children's Hospital, Akron OH

**PRINCIPAL INVESTIGATOR: PILOT STUDY OF ARTIFICIAL VISION: EVALUATION OF THE BRAINPORT SYSTEM AND INVESTIGATION OF VISUAL, OCULOMOTOR MECHANISMS – GROUP A FOR BLIND SUBJECTS 2011 –Present,** Akron Children's Hospital, Akron OH.

**PRINCIPAL INVESTIGATOR: FEASIBILITY STUDY IN NORMAL CHILDREN OF A LIQUID CRYSTAL SPECTACLE FILTER (LCSF) FOR POTENTIAL TREATMENT OF AMBLYOPIA 2014 –Present,** Akron Children's Hospital, Akron OH.

**CO-INVESTIGATOR: OPEN-LABEL, DOSE-ESCALATING STUDY TO ASSESS SAFETY, TOLERABILITY, EFFICACY, PHARMACOKINETICS AND PHARMACODYNAMICS OF CYSTEAMINE BITARTRATE DELAYED-RELEASE CAPSULES (RP103) IN CHILDREN WITH INHERITED MITOCHONDRIAL DISEASE-** ClinicalTrials.gov: NCT02023866; 2014-Present Akron Children's Hospital

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**CO-PRINCIPAL INVESTIGATOR: ROLE OF CYTOCHROME P 450 B1 (CYP1B1) IN RETINOIC ACID SYNTHESIS IN PRIMARY CONGENITAL GLAUCOMA** 2014 –Present, Akron Children’s Hospital, Akron OH.

**CO-PRINCIPAL INVESTIGATOR: TOPICAL ADMINISTRATION OF SOMATOSTATIN TO THE OXYGEN-INDUCED RETINOPATHY (OIR) MODEL OF RETINOPATHY OF PREMATURITY** 2012 –Present, SUMMA Medical System, Akron City Hospital, Akron, OH.

**MENTORSHIP OF POST GRADUATE K AWARD TO: Tawna L. Roberts, OD, PhD. THE ROLES OF THE AFFERENT AND EFFERENT VISUAL SYSTEMS IN GUIDING HUMAN VISUAL DEVELOPMENT.** NEI-NIH 5K23EY022357 Akron Children’s Hospital, 2015-2017.

### **COMMITTEE MEMBERSHIPS:**

Member of Ad Hoc Committee: Surgical Planning; The Scheie Eye Institute, University of PA. October, 1991 to 1998.

Member of Quality Assurance Committee Department of Surgery, The Children's Hospital of Philadelphia 1992-1998.

Member of Committee: Panel For Examination of Subspecialty Service In Medicine, June 1995-1998, University of Pennsylvania and The Leonard Davis Institute of Health Economics

Member of Organization Management/Utilization Management, Physicians Health Network, Physicians Organization, The Children's Hospital of Philadelphia and The University of Pennsylvania School of Medicine/ 1995-1998.

Member: Pediatric Eye Disease Investigator Group, 1997-2010.

Member: Steering Committee, Protocol Writing Committee, Manuscript Writing Committee. The Amblyopia Treatment Studies (ATS1, ATS2 and ATS3), The Pediatric Eye Disease Investigator Group, The Jaeb Center for Health Research, Tampa FLA. 1998-Present.

Member: Steering Committee, Protocol Writing Committee. The Intermittent Exotropia Study, The Pediatric Eye Disease Investigator Group, The Jaeb Center for Health Research, Tampa FLA. 1999-2000.

Member; Pharmacy and Therapeutics Committee, National Eye Institute Representative, The National Institutes of Health, November 1999-2001

Member, Administrative Subpanel, NEI Steering Committee, March 2000 – Present.

Member, Communications and Interactions Subpanel, NEI Steering Committee, April 2000 – June 2001.

Member, Research Committee of the American Association for Pediatric Ophthalmology and Strabismus, 2000-Present.

Member, American Nystagmus Network, Technical Advisory Board; 2001-Present.

Member, ARVO's Fellowship Review Panel, Fight For Sight Division of Prevent Blindness America; Student, Post-Doctoral and Grant-In-Aid, Review Committee, 2001-Present.

Member, Legislative Committee, Prevent Blindness Ohio, Part of Prevent Blindness America, 2002-2004

Member, Advocacy Committee, Prevent Blindness Ohio, Part of Prevent Blindness America, 2002-2004

Member, Legislative Action Committee, The American Association for Pediatric Ophthalmology and Strabismus, 2002-Present.

Member, Graduate Medical Education Committee, Columbus Children's Hospital, 2002-2004.

Member – Executive Committee, Better Vision Institute, Part of The Vision Council of American, 2003

Executive Committee Member – Cogan Historical Society – 2003 – 2007

Member, Columbus Children's Hospital Operating Room Block Time Committee, Columbus Children's Hospital, 2002-2004.

Reviewer, Member, National Eye Institute RO3 Special Emphasis Panel (ZEY1-VSN-01), April, 2003. Bethesda, MD

Reviewer, Member, National Eye Institute RO3 Special Emphasis Panel (ZEY1-VSN-01), July, 2003. Bethesda, MD

Reviewer, Member, National Eye Institute RO3/R01 Special Emphasis Panel (ZEY1-VSN-05), March, 2004. Bethesda, MD

Executive Committee, Department of Ophthalmology, The Eye and Ear Institute, The University of Pittsburgh Medical Center, Pittsburgh, PA. 7/04 – Present.

Perioperative Committee, Children's Hospital of Pittsburgh, Pittsburgh PA, 7/04 – Present.



5/2019

Surgical Chiefs Committee, Department of Surgery, Children's Hospital of Pittsburgh, Pittsburgh, PA 7/04 – Present.

Data Safety Monitoring Committee, National Eye Institute Multicenter Trial, U10 Supported, Infant Aphakia Treatment Study, 2004-Present. PI, Scot Lambert, MD, Atlanta Children's Hospital and Emory University, Atlanta GA.

Executive Committee, National Eye Institute Multicenter Trial, U10 Supported, Convergence Insufficiency Treatment Trial, 2004-Present. PI, Mitchell Scheiman, OD, Pennsylvania College of Optometry, Philadelphia, PA.

Chair, Research Committee of the American Association for Pediatric Ophthalmology and Strabismus, 2004-Present

Perioperative Committee, Children's Hospital of Pittsburgh, Pittsburgh PA 2004-Present

Reviewer, Member, National Eye Institute Clinical Trials 2007/05 Council ZEY1-VSN-05, 04/09/07. Bethesda, MD

Reviewer, Member, National Eye Institute Special Emphasis Panel ZEY1-VSN-08, 04/25/07. Bethesda, MD

Residency Review Committee, The UPMC Eye Center, Department of Ophthalmology, The University of Pittsburgh, Pittsburgh, PA 2004-Present

Executive Committee, The UPMC Eye Center, Department of Ophthalmology, The University of Pittsburgh, Pittsburgh, PA 2007-Present

Reviewer, Member, National Eye Institute Special Emphasis Panel for K23s, K99s, and K08 (ZEY1-VSN-01), August 8, 2008. Bethesda, MD

Board Member ; The Children's Eye Foundation of AAPOS 2009-2012

Reviewer, Chair, National Eye Institute Special Emphasis Panel for NEI Genetic Epidemiology Reviews. (ZEY1 VSN 04) April 12, 2010. Bethesda, MD

Reviewer, Member, National Eye Institute Special Emphasis Panel for K21s, K99s, and RO1's (ZEY1-VSN-03), August 23, 2010. Bethesda, MD.

Physicians for Philanthropy Committee, Akron Children's Hospital, Akron, OH 4-1-12 – Present

Surgical Chair Search Committee. Akron Children's Hospital, Akron, Ohio – 3/1/12 - 1/20/14.

5/2019

Reviewer, Member, National Eye Institute Review Panel for RO1's , U10's (ZEY1-VSN-12), 04/06/2012. Bethesda, MD.

Scientific Review Committee (SRC) Member for Summa Health System, Akron OH, 6-1-12 thru 5-30-14.

Reviewer, Member, National Eye Institute Special Emphasis Panel/Scientific Review Group (2013/01 ZEY1 VSN-05), 12/04/2012, Bethesda, MD.

Member; Medical Staff Wellness Advisory Committee, Akron Children's Hospital 6/1/12-Present

Reviewer, Member, National Eye Institute Review Panel for RO1's 2015/01 ZRG1 IFCN-T (02) 10/22/2014

Member; Medical Staff Executive Committee, Akron Children's Hospital, Akron OH 7/1/13-6/30/15

Member; Graduate Medical Education Committee, Akron Children's Hospital, Akron OH 12/5/10 – Present.

Chair; New Procedure/Technology Committee, Akron Children's Hospital, Akron, OH 7/1/14 – Present

Member; Fellowship Directors Committee of the American Association for Pediatric Ophthalmology and Strabismus, 7/1/15 – Present

Executive Committee Member and Scientific Bureau Member of World Society of Pediatric Ophthalmology and Strabismus 2010-Present.

Member; Credentials Committee, Akron Children's Hospital – 1/2017- Present

Program Executive Committee Member for Summa Health System Ophthalmology Residency Program, Akron OH, 6-1-12 thru Present.

Reviewer, Member, National Eye Institute ZEY1 VSN (02) NEI Mentored Career Development Award Applications, 8/10/2017, Bethesda, MD.

Committee Chair, Staff Research Scientist Incentive Committee, Akron Children's Hospital and the Considine Research Institute, 2018-Present.

Committee Chair, Point Of Care Ultrasound Delineation of Privileges Committee, Akron Children's Hospital, 2018-Present.

Committee Chair, Chair of Surgery Search Committee, Akron Children's Hospital, 2019 – Present.

**TEACHING, LECTURES, PAPERS, COURSES, CLINICAL RESPONSIBILITIES:**

1. *Assistant Lecturer, Symposium on the New Aphakic Spectacle Lenses; Cuyahoga Community College, September 20, 1977. Cleveland, Ohio*
2. *Lecturer, Ocular Oscillations in Infancy and Childhood, Boston, Ophthalmic Resident Basic Science Lecture Series. Massachusetts Eye and Ear Infirmary. March 18, 1987.*
3. *Lecturer, Cataracts associated with systemic diseases. New England OMA's Mini-Courses. Cataracts and Aphakia. December 18, 1987.*
4. *Lecturer, AIDS and The Eye. Boston City Hospital, Seminar on the present status of AIDS. Boston, MA. January 17, 1988.*
5. *Lecturer, Nystagmus in Childhood and Infancy. Grand Rounds, University of Washington. Seattle, WA. September 12, 1990.*
6. *Staff, Division of Ophthalmology, The Children's Hospital of Philadelphia. On site training of medical students, interns, residents, and Children's Hospital of Philadelphia Fellows in Pediatric and Craniofacial Oculoplastic Ophthalmology. (20 hours week).*
7. *Director, Adult Motility Service, Department of Ophthalmology, University of PA School of Medicine, The Scheie Eye Institute. On site training of University of PA medical students and Ophthalmology residents and fellows. (8 hours week).*
8. *Director, Ocular Motor Physiology Laboratory. The Division of Ophthalmology, The Children's Hospital of Philadelphia.*
9. *Lecturer, Strabismus & Pediatric Ophthalmology, Eye Resident Conferences, University of PA Department of Ophthalmology at the Scheie Eye Institute and Children's Hospital of Philadelphia. (5 to 10 hours year).*
10. *Director, Pediatric Ophthalmology, The Albert Einstein Medical Center. On site training of medical students, Optometry students, and ophthalmology residents. (18 hours month).*
11. *Lecturer, Pediatric Ophthalmology Grand Rounds: Children's Hospital of Philadelphia (1/17/90, 4/27/91, 1/26/93) and Albert Einstein Medical Center (7/22/90, 9/3/91, 11/20/92).*
12. *Lecturer, Short Courses for Category I Credit, Scheie Eye Institute Topics: Pediatric Ophthalmology Symposium. (11/17/90).*
13. *Faculty, Joint Meeting of the Pan-American Association and American Academy of Ophthalmology, Anaheim, CA. 10/13-10/17-91 Course #722. "The Diagnosis and Management of Important Pediatric Ophthalmologic Problems" with Schaffer DB, Quinn GE, Menacker SJ and Young TL. Two Hours, 10/17/91.*
14. *Faculty, Joint Meeting of the Pan-American Association and American Academy of Ophthalmology, Anaheim, CA. 10/13-10/17/91 course #520. "The Role of the Ophthalmologist in Evaluation and Management of Craniofacial Abnormalities" with Katowitz JA, Fries PL, Kazim MJ, Piest KL, Foster JA, and Quinn GE. Two Hours, 10/15/91.*
15. *Presentation: The American Association of Pediatric Ophthalmology and Strabismus, Maui, Hawaii, 2/10/92 Insertion site dynamics and histology after suspension or conventional recession combined with ipsilateral antagonist resection. **Hertle RW**, James, M, Farber MG.*
16. *Presentation: The American Association of Pediatric Ophthalmology and Strabismus, Maui, Hawaii, 2/12/92 The Visual Evoked Response In Patients With Central Visual Impairment. Granet DB, **Hertle RW**, Breton ME, Quinn GE.*
17. *Lecturer, Short Courses for Category I Credit, The Scheie Eye Institute. Pediatric Ophthalmology: New Frontiers; Strabismus Reoperations and Adjustable Suture Surgery. 3/14/92*

18. Faculty, American Academy of Ophthalmology, Dallas, Texas. 11/8-11/12/92 course #142 "The Diagnosis and Management of Important Pediatric Ophthalmologic Problems" with Schaffer, DB, Quinn GE, Young TL, Plotsky DF. Two Hours 11/9/92.
19. Faculty, American Academy of Ophthalmology, Dallas, Texas. 11/8-11/12/92 course # 741 "Craniofacial Abnormalities: The Role of the Ophthalmologist in Evaluation and Management" with Katowitz JA, Fries PL, Kazim MJ, Piest KL, Foster JA, and Quinn GE. Two Hours, 11/12/92.
20. Granet DB, **Hertle RW**: The Use of Hyaluronic Acid (Healon) During Adjustable Strabismus Surgery. The American Association for Pediatric Ophthalmology and Strabismus 19th Annual Meeting, Palm Springs CA 4/17/93-4/21/93.
21. **Hertle RW**, Mollett L, Frayer W: The Use of The Potassium-Titanyl-Phosphate (KTP) Laser During Extraocular Muscle Surgery: Histopathology and Technique. The American Association for Pediatric Ophthalmology and Strabismus 19th Annual Meeting, Palm Springs CA 4/17/93-4/21/93.
22. Kalin NS, **Hertle RW**, Granet DB, Schaffer, DB: Review of Consultations at The Children's Hospital of Philadelphia. The University of Pennsylvania Alumni Ophthalmological Association Annual Alumni Meeting, The Scheie Eye Institute 4/23/93-4/24/93.
23. Markowitz, GD, **Hertle RW**, Schaffer, DB, Quinn GE: Tubular Interstitial Nephritis and Uveitis In Childhood. The University of Pennsylvania Alumni Ophthalmological Association Annual Alumni Meeting, The Scheie Eye Institute 4/23/93-4/24/93.
24. Napolitano JD, **Hertle RW**, Granet DB: Restrictive Strabismus as a Complication of Orbital Reconstruction. The University of Pennsylvania Alumni Ophthalmological Association Annual Alumni Meeting, The Scheie Eye Institute 4/23/93-4/24/93.
25. Granet DB, **Hertle RW**: Hyaluronic Acid Use In Adjustable Suture Surgery. The University of Pennsylvania Alumni Ophthalmological Association Annual Alumni Meeting, The Scheie Eye Institute 4/23/93-4/24/93.
26. **Hertle RW**, Mollett L, Frayer W: The Use of Potassium-Titanyl-Phosphate (KTP) Laser in Extraocular Muscle Surgery. The University of Pennsylvania Alumni Ophthalmological Association Annual Alumni Meeting, The Scheie Eye Institute 4/23/93-4/24/93.
27. Granet DB, **Hertle RW**: Oculography. The University of Pennsylvania Alumni Ophthalmological Association Annual Alumni Meeting, The Scheie Eye Institute 4/23/93-4/24/93.
28. Orlin SE, **Hertle RW**: Neonatal Corneal Transplantation. The University of Pennsylvania Alumni Ophthalmological Association Annual Alumni Meeting, The Scheie Eye Institute 4/23/93-4/24/93.
29. **Hertle RW**: Eye Care In The Pediatric Population. The University of Pennsylvania and the Scheie Eye Institute. Seminar: Ophthalmology For The General Medical Practitioner. 11/6/93.
30. Faculty, American Academy of Ophthalmology, Chicago, Illinois. 11/93 course # 554 "The Diagnosis and Management of Important Pediatric Ophthalmologic Problems" with Schaffer, DB, Quinn GE, Young TL, Plotsky DF, Granet, DB, Menacker SJ. Two Hours 11/93.
31. Faculty, American Academy of Ophthalmology, Chicago, Illinois. 11/93 course # 141 "Craniofacial Abnormalities: The Role of the Ophthalmologist in Evaluation and Management" with Katowitz JA, Fries PL, Kazim MJ, Piest KL, Foster JA. Two Hours.
32. **Hertle RW**: Clinical Characteristics and Management of Adult Strabismus. 12/4/93 The University of Pennsylvania Department of Pediatric Ophthalmology, and The Scheie Eye Institute Seminar: Pediatric Ophthalmology and Strabismus: Moving Toward the 21st Century.

33. **Hertle RW**, Quinn GE, Schaffer, DB, Napolitano JA, Granet, DB, Markowitz GD: Visual Rehabilitation After Cataract Extraction In Children Using Intraocular Lenses. Combined Meeting American Association For Pediatric Ophthalmology and Strabismus and The International Strabismologic Association, June 18-22, 1994, Vancouver B.C. Canada
34. Granet DB, **Hertle RW**, Movaghar, M: Saccadic Adaptation After Adjustable Suture Surgery. Combined Meeting American Association For Pediatric Ophthalmology and Strabismus and The International Strabismologic Association, June 18-22, 1994, Vancouver B.C. Canada
35. Faculty, American Academy of Ophthalmology, San Francisco, CA. 11/94 course #559 "Craniofacial Abnormalities: The Role of the Ophthalmologist in Evaluation and Management" with Katowitz JA, Fries PL, Kazim MJ, Piest KL, Foster JA. Two Hours.
36. Course Director, American Academy of Ophthalmology, San Francisco, CA. 11/94 course #311 "Eyelid Malpositions Associated with Extraocular Muscle Surgery: Appearance, Prevention and Treatment." with Granet, DB, Foster JA, and Lance SE, One Hour.
37. Faculty, American Academy of Ophthalmology, San Francisco, CA. 11/95 course #243 "Craniofacial Abnormalities: The Role of the Ophthalmologist in Evaluation and Management" with Katowitz JA, Fries PL, Kazim MJ, Piest KL, Foster JA. Two Hours.
38. Course Director, American Academy of Ophthalmology, San Francisco, CA. 11/95 course #736 "Eyelid Malpositions Associated with Extraocular Muscle Surgery: Appearance, Prevention and Treatment." with Granet, DB, Foster JA, and Lance SE, One Hour.
39. "Clinical Characteristics of Surgically Treated Strabismus in Adults". **Hertle RW**, Jockin, YM. American Academy of Ophthalmology (Paper), Annual Meeting, Chicago, IL. 10/96.
40. "Correlation of Postoperative Muscle Adjustment With Its Immediate Effect on the Strabismic Deviation". Bacal DA, **Hertle RW**. The American Association for Pediatric Ophthalmology and Strabismus (Paper), Annual Meeting, Charleston, SC. 4/2-4/6/97.
41. Presentation: "Clinical Characteristics of Surgically Treated Adult Strabismus". **Hertle RW**. The University of Pennsylvania Department of Pediatric Ophthalmology, and The Scheie Eye Institute 20th Annual Francis Heed Adler Lecture 4/11-4/12/97.
42. "Oculographic Analysis of the Vertical Components of Congenital and Latent/Manifest Latent Nystagmus in Childhood". **Hertle RW**, Zhu SX. The Association for Research in Vision and Ophthalmology (Paper), Annual Meeting, 5/11-5/16/97.
43. Presentation: "Clinical Characteristics and Surgical Treatment of Adult Strabismus". **Hertle RW**. American Association of Certified Orthoptists, Eastern Regional Meeting, New York City, NY, 6/2-6/4/97.
44. Presentation: "Visual and Ophthalmic Consequences in Children with Major Craniofacial Malformations". **Hertle RW**, Katowitz JA, Whitaker LA, Bartlett SP. International Society of Craniofacial Surgery, Sante Fe, New Mexico, 9/14-9/17/97.
45. Faculty, Joint Commission on Allied Health Personnel in Ophthalmology, San Francisco, CA: 10/97 course #06-MO-4, "Assessment of Vision in Pre-literate Children". Granet DB, **Hertle RW**.
46. Course Director, American Academy of Ophthalmology, San Francisco, CA: 10/97 course #838, "Coordination of Care in Patients with Strabismus and Orbital Disorders". **Hertle RW**, Foster JA, Granet DB, Lance S, Wilson MC.
47. Faculty, Cleveland Clinic Foundation, Cleveland, Ohio. 01/98 "Ophthalmic Evaluation of the Patient with Craniofacial Malformations", Pediatric Oculoplastic Update Course. **Hertle RW**.
48. "Nystagmus In Infancy and Childhood". Presentation, Clinical Grand Rounds: University of California, San Diego. 04/02/98

49. **Hertle RW** Zhu, X Oculographic and clinical characterization of 37 children with anomalous head postures (AHP), nystagmus and strabismus: the basis of a clinical algorithm. Paper Presentation at The Annual Meeting of The American Association for Pediatric Ophthalmology and Strabismus, Toronto, Canada, 04/16/99.
50. Granet D.B., Ventura, R.H., Miller-Scholte A., **Hertle R.W.**, Capistrano A.D. Variability of Gaze Angle Amongst Pediatric Ophthalmologists in Orthoptic Evaluation. Paper Presentation at The Annual Meeting of The American Association for Pediatric Ophthalmology and Strabismus, Toronto, Canada, 04/16/99.
51. **Hertle RW**, Dell’Osso, LF. Clinical and Ocular Motor Analysis of Congenital Nystagmus In Infancy. Child Vision Research Society Meeting, The Institute of Child Health, University College of London, London England, U.K. 06/04/99.
52. Faculty, Joint Commission on Allied Health Personnel in Ophthalmology, Orlando, FLA: 10/25//98 course #07-TU-4, "Assessment of Vision in Preliterate Children". **Hertle RW**.
53. Faculty, Senior Instructor, Breakfast with the Experts, American Academy of Ophthalmology, Orlando FLA: 10/26/99, "The Use Of Adjustable Sutures in Strabismus."
54. Faculty, Senior Instructor, Breakfast with the Experts, American Academy of Ophthalmology, Orlando FLA: 10/27/99, "The Use Of Adjustable Sutures in Strabismus."
55. Lecture, Nystagmus in Infancy and Childhood, George Washington University Hospital Center Resident Lecture Series, Washington D.C., 02/09/00.
56. Lecture-Grand Rounds, Nystagmus in Infancy and Childhood – New treatment Approaches, University of California-San Diego, Department of Ophthalmology, The Shiley Eye Center and Abraham Ratner Children's Eye Center, April 10, 2000.
57. Course Director, American Association for Pediatric Ophthalmology and Strabismus, San Diego, CA: 4/14/00, Course; "Coordination of Care in Patients with Strabismus and Orbital Disorders". **Hertle RW**, Granet, DB, Pacheco, EM, Kikawa, D, Rousta, SA.
58. Panel Discussant, "Eye to Eye", Infantile Esotropia, 4/15/00, The Annual Meeting of The American Association for Pediatric Ophthalmology and Strabismus, San Diego California, Sponsored by The Journal of Pediatric Ophthalmology and Strabismus.
59. Preliminary results of performing the tenotomy procedure on adults with congenital nystagmus (CN): A gift from "man's best friend" Dell’Osso, LF, **Hertle RW**, FitzGibon, EJ, Miles, FA, Thompson D, Yang, D. International Neuro-Ophthalmologic Society Annual Meeting, September 8-13, 2000, Toronto, Canada.
60. Clinical Trial of Extraocular Muscle Tenotomy on Patients with Congenital Nystagmus (CN): A Gift from "Man's Best Friend." **Hertle RW**, Dell’Osso, LF, FitzGibon, EJ, Miles, FA, Thompson D, Yang, Mellow SD. National Eye Institute Research day, 9/29/00, The National Institutes of Health Campus, Bethesda, MD.
61. The Use of a Bioptic in the Vision Rehabilitation of a Patient with Nystagmus. **LaReau, AJ**, Alibhai, S, **Hertle RW**. The Laboratory of Sensorimotor Research, NEI, NIH, Bethesda, MD and Ocutech, Inc., Chapel Hill, NC.. National Eye Institute Research day, 9/29/00, The National Institutes of Health Campus, Bethesda, MD.
62. Moderator: Session on Amblyopia 10/20/00, XIV International Congress of Eye Research Biannual Meeting, Santa Fe, NM.
63. Presentation: **Hertle RW**, Avallone JM, Cheeseman E, Tsilou EK, Late Onset Oscillopsia In Patients with Congenital Nystagmus. 10/20/00, XIV International Congress of Eye Research Biannual Meeting, Santa Fe, NM

64. Faculty, Joint Commission on Allied Health Personnel in Ophthalmology, Dallas TX: 10/23/00, course #10-MO-6, "Assessment of Vision in Preliterare Children". Granet DB, **Hertle RW**.
65. Poster Presentation: Fine HF, Robinson MR, Whitcup SM, Ross ML, Mont EK, Bryant-Greenwood PK, **Hertle RW**, Nussenblatt RB, Tisdale JF, Young NS, Zeichner SI, Walsh TJ. Invasive Sino-Orbital –Cerebral Aspergillosis in Children. 10/22/00, American Academy of Ophthalmology Annual Meeting, Dallas TX.
66. Paper Presentation: **Hertle RW**, Avallone JM, Cheeseman E, Tsilou EK, Late Onset Oscillopsia In Patients with Congenital Nystagmus. 10/25/00, American Academy of Ophthalmology Annual Meeting, Dallas TX
67. Lecture and Grand Rounds Presentation: Clinical Trial of Extraocular Muscle Tenotomy on Patients with Congenital Nystagmus (CN): A Gift from "Man's Best Friend." **Hertle RW**, Dell'Osso, LF, FitzGibbon, EJ, Miles, FA, Thompson D, Yang, Mellow SD, Department of Ophthalmology, Mayo Clinic, Rochester Minn. 11/3/00.
68. Lecture and Grand Rounds Presentation: Clinical Trial of Extraocular Muscle Tenotomy on Patients with Congenital Nystagmus (CN): A Gift from "Man's Best Friend." **Hertle RW**, Dell'Osso, LF, FitzGibbon, EJ, Miles, FA, Thompson D, Yang, Mellow SD, Departments of Ophthalmology, Walter Reed Army Medical Center and The National Naval Medical Center, Bethesda, MD. 01/12/01
69. **Hertle RW**, Dell'Osso, LF, FitzGibbon EJ, Miles FA, Thompson, D, Yang, D. Horizontal Rectus Tenotomy in the Treatment of Congenital Nystagmus (CN) Results of a Study in Ten Adult Patients (Phase I) (Poster) The Annual Meeting of The American Association for Pediatric Ophthalmology and Strabismus, March 22, 2001 Orlando, FLA
70. Maybodi, M, **Hertle RW**, Reed, GF, Yang, D, Guerami, AH, Fitzgibbon, EJ. Latency of Static and Dynamic Optotype Recognition in Patients with Congenital Nystagmus (CN) Versus Control Subjects. (Poster) The Annual Meeting of The American Association for Pediatric Ophthalmology and Strabismus, March 22, 2001 Orlando, FLA
71. Panel Discussant/Presenter, Workshop, "Difficult Strabismus Problems", Moderator Edward Buckley, M.D., 3/25/01, The Annual Meeting of The American Association for Pediatric Ophthalmology and Strabismus, Orlando, Florida.
72. Poster Presentation: **Hertle RW**, on Behalf of the CEMAS Working Group, Report of the National Eye Institute Sponsored Classification of Eye Movement Abnormalities and Strabismus (CEMAS) Workshop. 11/11/01, American Academy of Ophthalmology Annual Meeting, New Orleans LA
73. Poster Presentation: **Hertle RW**, Cotter S. on Behalf of the CEMAS Working Group, Report of the National Eye Institute Sponsored Classification of Eye Movement Abnormalities and Strabismus (CEMAS) Workshop. 12/9/01, American Academy of Optometry Annual Meeting, Philadelphia, PA
74. Lecturer: The Ocular Pathology Series Presented by The National Eye Institute, NIH October, 2000 and February, 2001.
75. Poster Presentation: **Hertle RW**, on Behalf of the CEMAS Working Group, Report of the National Eye Institute Sponsored Classification of Eye Movement Abnormalities and Strabismus (CEMAS) Workshop. 3/08/02, Postgraduate Symposium in Ophthalmology, The Ohio State University Department of Ophthalmology, Columbus, Ohio.
76. Poster Presentation: Avallone, JA, **Hertle RW**, on Behalf of the CEMAS Working Group, Report of the National Eye Institute Sponsored Classification of Eye Movement Abnormalities and

**Strabismus (CEMAS) Workshop.** 3/21/02, The American Association for Pediatric Ophthalmology and Strabismus Annual Meeting, Seattle, WA.

77. Paper Presentation: **Hertle RW**, Chan, CC, Galita, DA, Maybodi, M, Crawford, MA: Neuroanatomy of the Enthesial Area of Extraocular Muscle Tendons in Humans, Macaque, and Patients with Congenital Nystagmus. 3/21/02, The American Association for Pediatric Ophthalmology and Strabismus Annual Meeting, Seattle, WA.

78. Paper Presentation: Pediatric Eye Disease Investigator Group: The clinical profile of moderate amblyopia in children less than 7 years of age: Experience of the Amblyopia Treatment Study 1. 3/21/02, The American Association for Pediatric Ophthalmology and Strabismus Annual Meeting, Seattle, WA.

79. Workshop: Repka MX, Holmes JM, Beck RW, Birch EE, **Hertle RW**: Amblyopia Treatment Study # 1: Design and Six Month Outcome. 3/22/02, The American Association for Pediatric Ophthalmology and Strabismus Annual Meeting, Seattle, WA.

80. Paper Presentation: **Hertle RW**, Dell'Osso LF, FitzGibbon EJ, Miles FA, Thompson, D, Yang, D. Preliminary Results of Performing the Tenotomy Procedure on Adults with Congenital Nystagmus (CN). Paper Presentation, The 9<sup>th</sup> International Strabismological Association Meeting, 4/19/02, Sydney, Australia.

81. Seminar Lecture: **Hertle RW**, Nystagmus In Infancy and Childhood: Diagnosis and Treatment, 4/19/02, Sydney Children's Hospital, Sydney, Australia.

82. Workshop: Sprunger, D, Repka MX, **Hertle RW**, Taylor, D, Abel, L: Nystagmus. 4/22/02, XXIX<sup>th</sup> International Congress of Ophthalmology, Sydney, Australia.

83. Paper Presentation: **Hertle RW**, Chan, CC, Galita, DA, Maybodi, M, Crawford, MA: Neuroanatomy of the Enthesial Area of Extraocular Muscle Tendons in Humans, Macaque, and Patients with Congenital Nystagmus. The Association for Research in Vision and Ophthalmology (Paper), Annual Meeting, 5/05/02-5/10/02, Ft. Lauderdale, FLA

84. Paper Presentation: Lerhaupt KE, **Hertle RW**, Mahan J: Ophthalmic Evaluation of Patients with Cystinosis While Using Topical Cysteamine in the Treatment of Corneal Cystine Crystal Accumulation. 2002 Ophthalmology Research Symposium, The Ohio State University Department of Ophthalmology, Columbus Ohio 6/7/02.

85. Paper Presentation: Stevens DJ, **Hertle RW**: Relations Between Visual Acuity and Anomalous Head Position in Patients with Congenital Nystagmus. 2002 Ophthalmology Research Symposium, The Ohio State University Department of Ophthalmology, Columbus Ohio 6/7/02.

86. Faculty: American Academy of Optometry and American Optometric Association Sponsored Summer Research Institute, Southern California College of Optometry, Fullerton, CA 8/7/02 through 8/11/02.

87. Lecture: Nystagmus In Infancy and Childhood, Southern California College of Optometry, Fullerton CA 8/6/02.

88. Lecture: Problems in Pediatric Ophthalmology, Allergan Corporation, Irvine CA, 8/6/02.

89. Lecture: Cortical Mechanisms of Amblyopia, Symposium: An Update on Pediatric Ophthalmology: Amblyopia and Mechanisms of Eye Movement Disorders in Congenital Esotropia, Cleveland Clinic Foundation, The Cole Eye Institute, The Department Of Ophthalmology, 08/24/02.

90. Lecture: Nystagmus In Infantile Esotropia – Types and Pathogenesis, Symposium: An Update on Pediatric Ophthalmology: Amblyopia and Mechanisms of Eye Movement Disorders in Congenital Esotropia, Cleveland Clinic Foundation, The Cole Eye Institute, The Department Of Ophthalmology, 08/24/02.



91. Paper Presentation: Clinical Trial Results of the Tenotomy Procedure on Patients with Congenital Nystagmus, The 22<sup>nd</sup> Annual Ophthalmological Conference, Grant Medical Center, Continuing Medical Education, 9/13/02, Columbus, Ohio.
92. Paper Presentation: Clinical Trial Results of the Tenotomy Procedure on Patients with Congenital Nystagmus, 10/23/02, American Academy of Ophthalmology Annual Meeting, Orlando, FLA.
93. Paper Presentation: Clinical Trials in Medicine and Surgery During the American Civil War (1861-1865), 10/22/02, American Academy of Ophthalmology Annual Meeting, Orlando, FLA.
94. Faculty, Joint Commission on Allied Health Personnel in Ophthalmology, Orlando, FLA: 10/21//98 course #10MO1, "Assessment of Vision in Preliterare Children". Granet D and **Hertle RW**.
95. Clinical/Basic Science Lectures, Pediatric Eye Diseases, Ohio State University College of Optometry, 2001-2002 Academic Year.
96. Discussion of Paper by Yang, M et al "Large Vertical Rectus Muscle Surgery for Vertical Null Point Nystagmus", 3/27/03, The Annual Meeting of The American Association for Pediatric Ophthalmology and Strabismus, Waikoloa, HA.
97. Paper Presentation, Maybodi, M, Hertle RW, Reed, G, Yang, D, Fitzgibbon EJ. "Latency of Dynamic and Gaze Dependent Optotype Recognition in Infantile Nystagmus Syndrome Patients versus Control Subjects", Fellowship Research Award Winning Paper, The Annual 2003 Meeting of The American Association for Pediatric Ophthalmology and Strabismus, Waikoloa, HA
98. Course Presentation, 3/25/03, **Hertle RW**, Rogers, GL, Five Operations for Nystagmus You Can Take Home, Indications and Surgical Procedures, The Annual Meeting of The American Association for Pediatric Ophthalmology and Strabismus, Waikoloa, HA
99. Course Presentation, 3/25/03, Amblyopia Treatment Studies, Repka, MX, Holmes J, **Hertle RW**. The Annual Meeting of The American Association for Pediatric Ophthalmology and Strabismus, Waikoloa, HA
100. Poster Presentation, **Hertle RW**, Stevens, D. The Visual Acuity Relationship to Anomalous Head Position (AHP) in Patients with Infantile Nystagmus Syndrome. The Annual Meeting of The American Association for Pediatric Ophthalmology and Strabismus, Waikoloa, HA
101. Poster Presentation, Cotter, SA, Chu, RH, Chandler, D, Beck RW, Holmes JM, Rice ML, **Hertle RW**, Birch E, Moke, PS. Reliability of the Electronic-ETDRS Testing Protocol in Children 7 to < 13 Years Old. The Annual Meeting of The American Association for Pediatric Ophthalmology and Strabismus, Waikoloa, HA
102. **Hertle RW**, Dell'Osso, LF, FitzGibbon EJ, Miles FA, Thompson, D, Yang, D. Horizontal Rectus Tenotomy in the Treatment of Congenital Nystagmus Results of a Phase I Study in Ten Adult Patients (Paper)ARVO Annual Meeting, May 8, 2003, Fort Lauderdale, FLA.
103. Jacobs, JB, Dell'Osso, LF, **Hertle RW**, Bennett J, Acland G, Gene Therapy to abolish congenital nystagmus in RPE65-Deficient Canines, (Paper)ARVO Annual Meeting, May 8, 2003, Fort Lauderdale, FLA
104. Yang, D, **Hertle RW**, Gaze Dependent optotype recognition in Infantile Nystagmus (INS) Patients, (Poster)ARVO Annual Meeting, May 6, 2003, Fort Lauderdale, FLA.
105. Stevens DJ, **Hertle RW**, The visual acuity relationship to anomalous head position in patients with congenital nystagmus. (Paper)ARVO Annual Meeting, May 6, 2003, Fort Lauderdale, FLA
106. **Hertle RW**, Moderator for Platform Session; Clinical Trials at ARVO Annual Meeting, May 8, 2003, Fort Lauderdale, FLA

107. **Hertle RW**, Course 2061, Visual Rehabilitation of Pediatric Cataracts, East-West Eye Conference 2003, 10/24/03, Cleveland, Ohio .
108. **Hertle RW**, Course 2063, Diagnosis and Management of Pediatric Glaucoma, East-West Eye Conference 2003, 10/24/03, Cleveland, Ohio
109. **Hertle RW**, Course 2056, Nystagmus and Eye Movement Disorders In Infancy and Childhood, East-West Eye Conference 2003, 10/24/03, Cleveland, Ohio
110. **Hertle RW**, Nystagmus in Infancy and Childhood, Association for Education and Rehabilitation of the Blind and Visually Impaired, Regional Meeting, Deer Creek State Park, November 7, 2003
111. Course Presentation, #533, 11/17/03, **Hertle RW**, Sprunger, D. Five Operations for Nystagmus You Can Take Home, Indications and Surgical Procedures, The Annual Meeting of The American Academy of Ophthalmology, Anaheim CA.
112. Breakfast with the experts, B131, Surgical Treatment of Nystagmus, 11/16/03, **Hertle RW**, The Annual Meeting of the American Academy of Ophthalmology, Anaheim, CA.
113. Faculty, Joint Commission on Allied Health Personnel in Ophthalmology, Orlando, FLA: 11/16/03 course #83084, "Assessment of Vision in Pre-literate Children". Granet D and **Hertle RW**.
114. Faculty, Symposium on Amblyopia, Pathophysiology and Classification of Amblyopia, SYM10, 11/17/03, **Hertle RW**, The Annual Meeting of the American Academy of Ophthalmology, Anaheim, CA.
115. Paper Presentation, **Hertle RW**, Clinical and Ocular Motor Response to EOM Surgery In Patients with Congenital Nystagmus, International Pediatric Ophthalmology and Strabismus Meeting, Anaheim Coast Hotel, 11/15/03.
116. Paper Presentation: **Hertle RW**, Dell'Osso, LF, FitzGibbon, EJ, Thompson, D Yang, D, Mellow SD. Horizontal Rectus Tenotomy in the Treatment of Infantile Nystagmus Syndrome. The Annual Meeting of The American Association for Pediatric Ophthalmology and Strabismus, Washington D.C., 2004.
117. Paper Presentation, **Hertle RW**, Yang, D, Hill VM. Clinical and Electrophysiological Effects of Extraocular Muscle Surgery on 75 Patients with Infantile Nystagmus Syndrome (INS), ARVO Annual Meeting, April 27, 2004, Fort Lauderdale, FLA
118. Paper Presentation, Yang D, **Hertle RW**, Hill VM. Vertical Optokinetic Nystagmus (OKN) and Binocular Motion Rivalry: Role of OKN Internal Gain, ARVO Annual Meeting, April 27, 2004, Fort Lauderdale, FLA
119. Poster Presentation, Hill VM, Yang, D **Hertle RW**. Gaze-Dependent, Time Restricted Visual Acuity In Patients with Infantile Nystagmus Syndrome, ARVO Annual Meeting, April 27, 2004, Fort Lauderdale, FLA
120. Moderator, Scientific Session, #329, Nystagmus and Saccadic Oscillations, ARVO Annual Meeting, April 27, 2004, Fort Lauderdale, FLA
121. Paper Presentation, Kelly, K, **Hertle RW**, Yang, D, Atkin J, Seward A, Shatnawi R, Hill, V. X-Linked Infantile Periodic Alternating Nystagmus, The Department of Ophthalmology Annual Research Symposium, June 4, 2004, The Ohio State University Columbus, Ohio.
122. Paper Presentation, Anninger W, **Hertle RW**, Yang, D, Hill, V. Clinical and Electrophysiological Effects of Extraocular Muscle Surgery on 15 Patients with Oculo-Cutaneous Albinism and Infantile Nystagmus Syndrome, The Department of Ophthalmology Annual Research Symposium, June 4, 2004, The Ohio State University Columbus, Ohio.

123. Paper Presentation, Deasy, R, **Hertle RW**, Yang, D, Hill, V. The Use Of Infrared Digital Photography To Detect Iris Transillumination In Patients with Albinism, The Department of Ophthalmology Annual Research Symposium, June 4, 2004, The Ohio State University Columbus, Ohio.
124. Faculty, Course Instructor, American Association of Certified Orthoptists Annual Meeting, J.W. Mariott Hotel, New Orleans, LA, Evidence Based Treatment of Amblyopia. 10/23/04.
125. Faculty, Senior Instructor, Breakfast with the Experts, Annual Meeting of The American Academy of Ophthalmology, New Orleans LA: 10/25/04, “Surgery for Nystagmus.”
126. Faculty, Lecturer, Symposium - Sickle Cell Disease: Progress, Patients and Solutions “Visual System Involvement in Sickle Cell Disease” January 18, 2005, Children’s Hospital of Pittsburgh, Pittsburgh PA.
127. Lecturer, Pittsburgh Program for Students with Exceptionalities, Vision Care Specialists Seminar. Nystagmus In Infancy and Childhood. 2/1/05 1:00 -3:00 PM, Department of Education Building, Pittsburgh PA.
128. Lecturer, University of Pittsburgh Resident Lecture Series, Nystagmus In Infancy and Childhood, UPMC 1/7/2005. UPMC Eye Center, Pittsburgh PA
129. Workshop/Course Presentation, 3/11/05, Amblyopia Treatment Studies, Repka, MX, Holmes J, **Hertle RW**, Laby D. The Annual Meeting of The American Association for Pediatric Ophthalmology and Strabismus, Orlando, FLA
130. Workshop/Course Presentation, 3/11/05, Point/Counterpoint: Surgical Approaches, Summers, G, Stager, D, Kushner, B., Wilson, ME, Baker, J, Keech, R, Saunders, R, Archer, S, **Hertle RW**. The Annual Meeting of The American Association for Pediatric Ophthalmology and Strabismus, Orlando, FLA
131. Paper Presentation, 4/10/05 The Eye Disease of Jefferson Davis (1808-1889), Confederate States President 1861-1865. Annual Meeting of The Cogan Ophthalmic Historical Society, Durham N.C.
132. Lecturer, Southern California College of Optometry Lecturer, Nystagmus In Infancy and Childhood. July 8, 2005, Fullerton, CA.
133. Lecturer, NOVA Chemicals Corporation, Ophthalmic and Eye Trauma In Infants and Children. July 18, 2005 NOVA Chemical Co, Moon Township PA
134. Delegate, Lecturer, First International Nystagmus Research Workshop, 9/1/5 – 9/3/5, The Cosener’s House, Abington, England
135. Invited Speaker, Greater New York Ophthalmology Lecture Series, Manhattan Eye and Ear Institute, N.Y, N.Y., 9/14.05. Infantile Nystagmus
136. Lecturer, The Annual Research Seminar of the Pennsylvania Lions, Sight Conservation & Eye Research Foundation, UPMC Eye Center Eye and Ear Institute, Pittsburgh, PA, October 1, 2005. “How Research Has Influenced Knowledge, Classification And Treatment of Infantile Nystagmus Syndrome”
137. Faculty, Pediatric Ophthalmology Subspecialty Day, Little Kids, Big Issues, 10/15/05, **Hertle RW**, Presentation Nystagmus In Albinism, Characterization and Treatment, The Annual Meeting of the American Academy of Ophthalmology, Chicago, IL.
138. Faculty, Symposium The Editors’ Choices, 10/16/05, **Hertle RW**, Representing the Pediatric Eye Disease Investigator Group. Paper Presentation, Randomized Trial of Treatment of Amblyopia in Children 7 to 17 Years of Age. The Annual Meeting of the American Academy of Ophthalmology, Chicago, IL.

139. Faculty, Symposium Our Ophthalmic Heritage, 10/16/05, **Hertle RW**, Paper Presentation, Captain John L. Worden's Eye Injury and The Battle of The Ironclads, 1862: A Story Regarding the U.S.S. Monitor and The C.S.S. Virginia (Merrimac). The Annual Meeting of the American Academy of Ophthalmology, Chicago, IL
140. Instructional Course Presentation, #533, 10/17/05, Sprague, J. Collins, ML, Repka, MX, Donahue **Hertle RW**, Politics, Money and Pediatric Eye Disease, The Annual Meeting of The American Academy of Ophthalmology, Chicago IL.
141. Faculty, Joint Commission on Allied Health Personnel in Ophthalmology, Chicago, IL, 10/17/05 course, "Assessment of Vision in Pre-literate Children". Granet, DL and **Hertle RW**.
142. Instructional Course Presentation, #403, 10/17/05, Fishman, R, **Hertle RW**, Marmor, MF, Ravin, JG, Tasman, W Vision Problems in Prominent Historical Figures, The Annual Meeting of The American Academy of Ophthalmology, Chicago IL.
143. Breakfast with the experts, B508, Surgical Treatment of Nystagmus, 10/18/05, **Hertle RW**, The Annual Meeting of the American Academy of Ophthalmology, Chicago, IL.
144. Faculty: Ophthalmic Imaging OCT Course: UPMC Eye Center, UPMC 12/10/05 OCT In Children.
145. Paper Presentation - Clinical and Electrophysiological Effects of Extraocular Muscle Surgery on Infantile Nystagmus Syndrome. 2/19/06 Joint Meeting, 10<sup>th</sup> International Strabismological Association Meeting and Latin American Council of Strabismus, February 18-20, 2006, San Paulo, Brazil, Gran Hotel Melia WTC.
146. Workshop - Neurological Strabismus - Participant. Ophthalmic versus Neurological Nystagmus. 2/19/06 Joint Meeting, 10<sup>th</sup> International Strabismological Association Meeting and Latin American Council of Strabismus, February 18-20, 2006, San Paulo, Brazil, Gran Hotel Melia WTC.
147. Workshop - Neurological Strabismus - Participant. Ophthalmic Treatment of Nystagmus. 2/19/06 Joint Meeting, 10<sup>th</sup> International Strabismological Association Meeting and Latin American Council of Strabismus, February 18-20, 2006, San Paulo, Brazil, Gran Hotel Melia WTC.
148. Workshop - Amblyopia Treatment Studies - Participant. Treatment of Amblyopia in Children 7 to 17 Years of Age. 2/20/06 Joint Meeting, 10<sup>th</sup> International Strabismological Association Meeting and Latin American Council of Strabismus, February 18-20, 2006, San Paulo, Brazil, Gran Hotel Melia WTC.
149. Workshop/Course Presentation, 3/18/06, Amblyopia Treatment Studies, Repka, MX, Holmes J, **Hertle RW**, Wallace D, Quinn GE, Donahue S. The Annual Meeting of The American Association for Pediatric Ophthalmology and Strabismus, Keystone, Colorado.
150. Workshop/Course Presentation, 3/18/05, You Too Can Perform Successful Surgery for Nystagmus, **Hertle RW**, Dell'Osso, LF, Sprunger, D. The Annual Meeting of The American Association for Pediatric Ophthalmology and Strabismus, Keystone, Colorado.
151. Paper Presentation. A Confederate Surgeon's Treatment of Amblyopia in Adults. **Hertle RW**. 3/31/06, The Annual Cogan Ophthalmic History Society Meeting, Hershey PA.
152. April 20, 2006 - **Visiting Professor, Lecture**; Why Pediatric Ophthalmology Training is Important. The University of Toronto and The Hospital for Sick Children, Departments of Ophthalmology and Visual Sciences, The University of Toronto, Toronto, Canada.
153. **Hertle RW**. "Ophthalmic" Nystagmus Diagnosis and Treatment and Differentiation from "Neurological" Nystagmus In-Press, Proceedings of the International Strabismological

Association, from the World Congress of Ophthalmology Meeting, San Paulo, Brazil 2006;pp ed Jan VnTeerd.

154. **Hertle, RW**, Yang, D Clinical and Electrophysiological Effects Of Extraocular Muscle Surgery On Patients With Infantile Nystagmus Syndrome (INS) In-Press, Proceedings of the International Strabismological Association, from the World Congress of Ophthalmology Meeting, San Paulo, Brazil 2006;pp ed Jan VnTeerd.

155. Holmes, JM, Repka, MX, **Hertle RW**, Quinn GE In-Press, The Amblyopia Treatment Studies from the Pediatric Eye Disease Investigator Group. Proceedings of the International Strabismological Association, from the World Congress of Ophthalmology Meeting, San Paulo, Brazil 2006;pp ed Jan VnTeerd.

156. Reese, M, **Hertle, RW**. Clinical Contrast Sensitivity Testing in Patients with Infantile Nystagmus Syndrome (INS) Compared to Age-Matched Controls. (Poster) ARVO annual Meeting, May 3, 2006, Fort Lauderdale, FLA.

157. **Hertle, RW**, Yang, D. Clinical and Electrophysiological Effects Of Extraocular Muscle Surgery On Patients With Infantile Nystagmus Syndrome (INS) (Poster) ARVO annual Meeting, May 3, 2006, Fort Lauderdale, FLA.

158. Zhu, M, Yang, D, **Hertle, RW**. Effect of Binocular Rivalry (BR) Suppression on Short Latency Ocular Following Responses (OFR) (Poster) ARVO annual Meeting, May 3, 2006, Fort Lauderdale, FLA.

159. Yang, D, Zhu, M, **Hertle, RW**. Temporal course of binocular rivalry suppression: evidence from early ocular following responses (Paper) ARVO annual Meeting, May 2, 2006, Fort Lauderdale, FLA.

160. Yang, D, Zhu, M, **Hertle, RW**. Version and vergence eye movements in optokinetic nystagmus induced by optic flow (Poster) VSS annual Meeting, May 8, 2006, Sarasota, FLA.

161. **Hertle RW**. Infant and Childhood Nystagmus Common Entities and Treatments American Association of Certified Orthoptists 2006 Joint Regional Meeting, June 10, 2006, Renaissance Harborplace Hotel Baltimore MD

162. Faculty, Lecturer, Symposium - Sickle Cell Disease: Progress, Patients and Solutions "Visual System Involvement in Sickle Cell Disease" September 26, 2006 Children's Hospital of Pittsburgh, Pittsburgh PA

163. **Hertle RW**, Course 2056, Nystagmus In Your Practice, East-West Eye Conference 2006, 10/13/06, Cleveland, Ohio

164. **Hertle RW**, Course 3007, Common Eye Disease in Infants, East-West Eye Conference 2006, 10/14/06, Cleveland, Ohio .

165. **Hertle RW**, Course 3021, Congenital Cranial Dysinnervation Disorders, East-West Eye Conference 2006, 10/24/06, Cleveland, Ohio

166. **Hertle RW**, Lecture, Visual Rehabilitation of Patients with Albinism, Annual National Organization for Albinism and Hypopigmentation Meeting, Airport Marriott Hotel, 10/21/06, Coreapolis, PA.

167. **Hertle RW**, Associate Examiner, American Board Of Ophthalmology. Oral Examinations, 10/28/06-10/30/06, The Palace Hotel, San Francisco, CA.

168. **Hertle RW**, Moderator, Pediatric Ophthalmology Journal Club Children's National Medical Center, Washington, D.C., 1/22/07, "Surgery for Nystagmus"

169. **Hertle RW**, Lecturer, Southwest Texas Retina Foundation, Dallas TX, Infantile Nystagmus Syndrome, Characterization and Treatment, 1/30/07

170. **Hertle RW, Moderator, Organizer, Lecturer** *Pediatric Vision Screening, Current Concepts and Techniques*, Children's Hospital of Pittsburgh and The UPMC Eye Center, 12:30 – 5:30 PM, Pittsburgh, PA 2/16/07
171. **Hertle RW, Hertle RH** **Presentation** *Stereoscopy During the Civil War; News, Entertainment or Propaganda?* Cogan Ophthalmic History Society. The 20<sup>th</sup> Annual Meeting March 1-March 3, 2007 San Francisco California.
172. **Hertle RW**, Faculty, Lecturer, Symposium - Sickle Cell Disease: Progress, Patients and Solutions "Visual System Involvement in Sickle Cell Disease" April 3, 2007 Children's Hospital of Pittsburgh, Pittsburgh P
173. **Hertle RW**, Lecture, Pediatric Emergency Medicine Basic Curriculum Lecture, "Pediatric Eye Trauma," Children's Hospital of Pittsburgh, Pittsburgh PA Room B217 04/04/07.
174. Poster Presentation: Reznick L, **Hertle RW**, Felius J, The Ocular Motor Questionnaire. 4/13/07, The American Association for Pediatric Ophthalmology and Strabismus Annual Meeting, Seattle, WA.
175. Paper Presentation: **Hertle RW**, Reznick L, Yang, D, Zowortny, K. 4/14/07, The Clinical and Electrophysiological Characteristics of Infantile Periodic Alternating Nystagmus (IPAN). The American Association for Pediatric Ophthalmology and Strabismus Annual Meeting, Seattle, WA.
176. Poster Presentation: Yang D, **Hertle RW**. Digital Head Posture Analysis Using an Electronic Compass 4/14/07, The American Association for Pediatric Ophthalmology and Strabismus Annual Meeting, Seattle, WA.
177. Workshop: Repka MX, Holmes JM, Wallace, D, **Hertle RW**: Amblyopia Treatment Study Update 2007. 4/14/07, The American Association for Pediatric Ophthalmology and Strabismus Annual Meeting, Seattle, WA.
178. **Hertle, RW**, Reznick, L, Yang, D, Zowortny, K. Clinical and Electrophysiological Effects Of Extraocular Muscle Surgery On 53 Patients With Infantile Periodic Alternating Nystagmus Syndrome (IPAN) (Paper) Confenrecne "advances n Understanding Mechanisms and treatment of Infantile Forms of Nystagmus, May4, 2007, Case Western Reserve University, Cleveland OH..
179. **Hertle, RW**, Reznick, L, Yang, D, Zowortny, K. Clinical and Electrophysiological Effects Of Extraocular Muscle Surgery On 53 Patients With Infantile Periodic Alternating Nystagmus Syndrome (IPAN) (Paper) ARVO annual Meeting, May 8, 2007, Fort Lauderdale, FLA.
180. **Hertle, RW**, Moderator, Poster Session #143, Eye Movements and Nystagmus, ARVO annual Meeting, May 6, 2007, Fort Lauderdale, FLA.
181. Yang, D, Zhu,M, Kauffman, M, **Hertle, RW** (886/B861) Poster Short-Latency Disparity Vergence: Effects of Artificial Scotomas. ARVO annual Meeting, May 6, 2007, Fort Lauderdale, FLA
182. Kaufman, MD, Zhu, M, **Hertle, RW**, Zawrotny, K Yang, D. Poster (896/B871) Threshold of Dynamic Vernier Stimuli Detected With Oculomotor Responses ARVO annual Meeting, May 6, 2007, Fort Lauderdale, FLA
183. Fu, VL, Felius, J, **Hertle, RW**, Birch, EE. Poster (874/B849) Visual Development of Children With Infantile Nystagmus Syndrome (INS) ARVO annual Meeting, May 6, 2007, Fort Lauderdale, FLA
184. **Hertle RW**, Case Presentation, "Chin-Up, Chin-Down, What Muscles" Pre AAO Pediatric Ophthalmology Day, 11/10/2007, Oschner Clinic.
185. **Hertle RW**, Paper Presentation, Flexner and the Revolution in Medical Teaching Symposium On the Shoulders of Giants: How One Generation Learns From Another 11/12/07 12:15 PM - 01:45 PM AAO Annual Meeting New Orleans LA.

Moderator : Nystagmus Eye Movements/Strabismus/Amblyopia/Neuro-Ophthalmology, ARVO annual Meeting, May, 2008, Fort Lauderdale, FLA

186. Co-Course Director Festschrift for Albert Biglan, MD, April 11-12<sup>th</sup>, Herberman Conference Center, UPMC Eye Center and University of Pittsburgh Department of Ophthalmology, Shadyside Campus, Paper Presentation - Nystagmus In Infancy and Childhood April 12<sup>th</sup> 2008.
187. Clinical Application of a Digital Head Posture Measuring System E.S. Hald, D. Yang, **R.W. Hertle**. Poster, ARVO annual Meeting, May, 2008, Fort Lauderdale, FLA
188. Quick Phase Analysis of the Involuntary Version-Vergence Nystagmus D. Yang, **R.W. Hertle**, M. Zhu. Poster, ARVO annual Meeting, May, 2008, Fort Lauderdale, FLA
189. Influence of Mechanical Restriction on Infantile Nystagmus K. Yavorcik, D. Yang, **R. Hertle**, E. Hald, ARVO annual Meeting, May, 2008, Fort Lauderdale, FLA
190. Suppression of Fixational Eye Movements M.B. Kaufman X. Shi, K. Yarovcik, **R.W. Hertle**, K. Zhao, D. Yang. Poster Session, ARVO annual Meeting, May, 2008, Fort Lauderdale, FLA
191. Foveation and Acuity Deficits in Infants and Children With Infantile Nystagmus Syndrome J. Feliuss, V.L.N. Fu, L.M. Wyatt, **R.W. Hertle**, E.E. Birch. Poster, ARVO annual Meeting, May, 2008, Fort Lauderdale, FLA
192. A Single Surgical Procedure for Treatment of Nystagmus and a Vertical Head Posture Associated With Infantile Nystagmus Syndrome (INS): Results in 24 Patients Paper **R.W. Hertle**, D. Yang, K. Adams, R. Caterino, ARVO annual Meeting, May, 2008, Fort Lauderdale, FLA
193. **Hertle, RW**, Paper Presentation: Does Eye Muscle Surgery Improve Vision in Patients with Infantile Nystagmus Syndrome (INS)? 11/08/08, Pediatric Ophthalmology and Strabismus Subspecialty Day, American Academy of Ophthalmology Annual Meeting , Atlanta GA
194. **Hertle RW**, New Concepts in Understanding and Treatment of Nystagmus In Infancy and Childhood, Tuesday, 11/11/08, Course 04TU4, JCAHPO Annual Meeting, Atlanta Hilton, Atlanta GA
195. **Hertle RW**, New Concepts in Understanding and Treatment of Nystagmus In Infancy and Childhood, Friday, 03/20/09, University of Rochester Department of Ophthalmology, 2009 Conference on Ophthalmology.
196. Monday, May 4, 2009 8:45 - 9:00 AM 205 - Long-Term Effectiveness of Treatments for Symptomatic Convergence Insufficiency in Children 9 to 17 Years Old M. Scheiman<sup>1</sup>, M. Kulp<sup>2</sup>, G. Mitchell<sup>2</sup>, S. Cotter<sup>3</sup>, M. Rouse<sup>3</sup>, **R. Hertle**<sup>4</sup>, Convergence Insufficiency Treatment Trial Study Group. <sup>1</sup>Eye Institute-Coll of Optometry, Pennsylvania College of Optometry, Philadelphia, PA; <sup>2</sup>Coll of Optometry, Ohio State University, Columbus, OH; <sup>3</sup>Southern California College of Optometry, Fullerton, CA; <sup>4</sup>Children's Hospital Of Pittsburgh, Pittsburgh, PA.
197. Monday, May 4, 2009 1:45 - 3:30 PM 979/D754 - Clinical Application of a Digital Head Posture Measuring System for Pediatric Patients E.S. Hald<sup>1A</sup>, **R.W. Hertle**<sup>1B</sup>, D. Yang<sup>1B</sup>. A Ophthalmology/Bioengineering, B Ophthalmology, <sup>1</sup>University of Pittsburgh, Pittsburgh, PA.
198. Tuesday, May 5, 2009 8:30 - 10:15 AM 2838/A93 - Convergence Dampening of Infantile Nystagmus Syndrome and its Relationship to Heterophoria R.P. Rumpf, Z. Tai, **R.W. Hertle**, D. Yang. Ophthalmology, The Ocular Motor Neurophysiology Laboratory, The UPMC Eye Center, Department of Ophthalmology, The Children's Hospital of Pittsburgh and The University of Pittsburgh, Pittsburgh PA 15213, Pittsburgh, PA. Poster Session

199. Tuesday, May 5, 2009 8:30 - 10:15 AM Tuesday, May 5, 2009 8:30 - 10:15 AM 889/A74 - Vergence Induced by Optic-Flow Motion in Patients With Strabismus D. Yang, E.S. Hald, **R.W. Hertle**, Z. Tai. Ophthalmology, Univ of Pittsburgh Childrens Hosp, Pittsburgh, PA. Poster Session
200. Tuesday, May 5, 2009, 0/A75 - Vergence and Three-Dimensional Perception Induced by Ground-Plane Motion Z. Tai, **R.W. Hertle**, E.S. Hald, D. Yang. Ophthalmology, University of Pittsburgh, Pittsburgh, PA.
201. Tuesday, May 5, 2009 3:00 - 3:15 PM 042 - Spectral Domain Optical Coherence Tomography in the Oculocutaneous Albino Population T.H. Cronin<sup>1</sup>, **R.W. Hertle**<sup>1</sup>, H. Ishikawa<sup>1,2</sup>, J.S. Schuman<sup>1,2</sup>. <sup>1</sup>UPMC Eye Center, Eye and Ear Institute, University of Pittsburgh School of Medicine, Ophthalmology and Visual Science Research Center, Department of Ophthalmology, Pittsburgh, PA; <sup>2</sup>Department of Bioengineering, Swanson School of Engineering, University of Pittsburgh, Pittsburgh, PA. Paper Session
202. Wenesday, May 6, 2009 4:45 - 5:00 PM 753 - Treatment of Severe Amblyopia With Atropine: Results From Two Randomized Clinical Trials M.X. Repka<sup>1</sup>, R.T. Kraker<sup>2</sup>, R.W. Beck<sup>2</sup>, E. Birch<sup>3</sup>, S.A. Cotter<sup>4</sup>, J.M. Holmes<sup>5</sup>, **R.W. Hertle**<sup>6</sup>, D.L. Hoover<sup>7</sup>, D.L. Klimek<sup>8</sup>, Pediatric Eye Disease Investigator Group. <sup>1</sup>Ophthalmology, Johns Hopkins Wilmer Eye Inst, Baltimore, MD; <sup>2</sup>Jaeb Center for Health Research, Tampa, FL; <sup>3</sup>Retina Foundation of the Southwest, Dallas, TX; <sup>4</sup>Southern California College of Optometry, Fullerton, CA; <sup>5</sup>Ophthalmology, Mayo Clinic, Rochester, MN; <sup>6</sup>Ophthalmology
203. **Hertle RW**. Nystagmus In Infancy and Childhood. 6/12/09, American Association of Certified Orthoptists Meeting, Sheraton Station Square, Pittsburgh PA
204. **Hertle RW**, What We Really Know About Pediatric Ophthalmology & Strabismus: The Application of Evidence Based Medicine in the Study of Infantile Nystagmus 10/25/9, The Annual Meeting of The American Society of Certified Orthoptists, Nikko Hotel, SanFransisco, CA.
205. **Hertle RW**, On Behalf of PEDIG and The JAEB Center for Health Research, The Editors' Choices Symposium. 10/27/9, 9:35 AM. Patching vs Atropine to Treat Amblyopia in Children Aged 7 to 12 Years: A Randomized Trial Pediatric Eye Disease. The Annual Meeting of The American Academy of Ophthalmology, San Francisco, CA
206. **Hertle, RW**, Yang, D, Carey, K, Jeng, J, Mitchell E. A Systemic Approach to Eye Muscle Surgery for Infantile Nystagmus Syndrome (INS): Results in 100 Patients. Paper Presentation, The Annual Meeting of The AAPOS, Swan Hotel, Orlando FLA, 4/17/10.
207. Monday, May 3, 2010 8:30 - 10:15 AM 1465/A614 - Visual Electrophysiological and Acuity Assessment in Patients With Infantile Nystagmus Syndrome (INS) V.L. Fu<sup>1,2</sup>, **R.W. Hertle**<sup>2,1</sup>. <sup>1</sup>Ophthalmology, University of Pittsburgh Medical Center, Pittsburgh, PA; <sup>2</sup>Ophthalmology, Childrens Hospital of Pittsburgh, Pittsburgh, PA.
208. Paper Session 269. Nystagmus Monday, May 3, 2010 3:45 - 5:30 PM Classification and Results of Eye Muscle Surgery in 100 Patients with Infantile Nystagmus Syndrome **R.W. Hertle**, D. Yang, J. Jeng, K. Carey, E. Mitchell. Ophthalmology, Childrens Hospital of Pittsburgh, Pittsburgh, PA. 2010 ARVO Annual Meeting, Ft Lauderdale FLA
209. Tuesday, May 4, 2010 8:30 - 10:15 AM 2540/A67 - A New Automated Nystagmus Acuity Function Analysis: Methodology and Comparison to the Expanded Nystagmus Acuity Function Analysis D. Yang, Z. Tai, R. Bilonick, **R.W. Hertle**. Ophthalmology, Univ of Pittsburgh Childrens Hosp, Pittsburgh, PA. Poster Session Tuesday, May 4, 2010 8:30 - 10:15 AM 2010 ARVO Annual Meeting, Ft Lauderdale FLA
210. Tuesday, May 4, 2010 1:45 - 3:30 PM 3002/A43 - The Critical Period for Fixation Control and Eye Alignment in Children Treated for Dense Congenital or Developmental Cataracts E.E.



*Birch*<sup>1,2</sup>, *J. Wang*<sup>1</sup>, *J. Felius*<sup>1,2</sup>, *D.R. Stager, Jr.*<sup>2</sup>, **R.W. Hertle**<sup>3</sup>. <sup>1</sup>Retina Foundation of the Southwest, Dallas, TX; <sup>2</sup>UT Southwestern Medical Center, Dallas, TX; <sup>3</sup>Ophthalmology, Childrens Hospital of Pittsburgh, Pittsburgh, PA. 2010 ARVO Annual Meeting, Ft Lauderdale FLA Poster Session

211. Wednesday, May 5, 2010 4:30 - 4:45 PM Eye Movement and Optic Nerve Abnormalities in Persistent Amblyopia *V. Subramanian*<sup>1</sup>, *J. Wang*<sup>1</sup>, *P.M. Berry*<sup>2</sup>, **R.W. Hertle**<sup>3</sup>, *E.E. Birch*<sup>1,2</sup>.

<sup>1</sup>Anderson Vision Research Center, Retina Foundation of the Southwest, Dallas, TX; <sup>2</sup>Ophthalmology, University of Texas Southwestern Medical Center, Dallas, TX; <sup>3</sup>Ophthalmology, Childrens Hospital of Pittsburgh, Pittsburgh, PA Paper Session 2010 ARVO Annual Meeting, Ft Lauderdale FLA

212. Thursday, May 6, 2010 8:30 - 10:15 AM 5372/A317 - Using a Structural Equation Model to Calibrate Measurement Methods When Replicate Errors Are Correlated *R.A. Bilonick*<sup>1,2</sup>, *Z. Tai*<sup>1</sup>, **R.W. Hertle**<sup>1</sup>, *D. Yang*<sup>1</sup>, *G. Wollstein*<sup>1</sup>. <sup>1</sup>UPMC Eye Center, Eye & Ear Institute, Ophthalmology and Visual Science Research Center, Dept. Ophthalmology, U. Pittsburgh School of Medicine, Pittsburgh, PA; <sup>2</sup>Dept. Biostatistics, U. Pittsburgh Graduate School of Public Health, Pittsburgh, PA. Poster Session 2010 ARVO Annual Meeting, Ft Lauderdale FLA.

213. Saturday 9/25/10. 8:00-8:50 XIth Meeting of the International Strabismological Association, Istanbul Turkey. Workshop 5: "Nystagmus Surgery: Theory and Practice for The Clinician" **Chair: R. W. Hertle (USA)**. Talk: A systematic approach to eye muscle surgery in patients with nystagmus.

214. Thursday, 3/30/11; Poster Session, Annual Meeting of the American Association of Pediatric Ophthalmology and Strabismus, Poster 46, Fixation Control and Eye Alignment in Children Treated for Dense Congenital or Developmental Cataracts. Birch, EE, Wang, J., Felius, J., Stager, DR., Hertle, RW.

215. Paper Presentation. William Thomson, MD (1833-1907); Civil War Surgeon and The Evolution of Ophthalmology. **Hertle RW.** 4/17/11, The 24<sup>th</sup> Annual Cogan Ophthalmic History Society Meeting, Philadelphia, PA.

216. Lecturer. Nystagmus In Infancy and Childhood. The Ohio Optometric Association, Northeast Zone, Quarterly Meeting, Sheraton Suites Hotel, April 20<sup>th</sup> 2011.

217. Moderator **Richard W. Hertle.** Ophthalmology, Children's Hospital Medical Center of Akron, Akron, OH. Paper Session Eye Movements, Nystagmus and Visuomotor Organization .Tuesday, May 3, 2011 1:45 - 3:30 PM 2011 ARVO Annual Meeting, Ft Lauderdale FLA

218. Ocular Motor Analysis of Monocular Visual Preference in Patients with Infantile Cataracts **Richard W. Hertle**, Eileen E. Birch, Jingyun Wang, Joost Felius, David Stager, Vidhya Subramanian, Reed M. Jost. Paper Session Eye Movements, Nystagmus and Visuomotor Organization . Tuesday, May 3, 2011 1:45 - 3:30 PM 2011 ARVO Annual Meeting, Ft Lauderdale FLA

219. Effect Of Tongue Stimulation On Nystagmus: Evidence Of Afferent Influence On Eye Movements Dongsheng Yang, Amy Nau, **Richard W. Hertle.** Paper Session Eye Movements, Nystagmus and Visuomotor Organization, Tuesday, May 3, 2011 1:45 - 3:30 PM 2011 ARVO Annual Meeting, Ft Lauderdale FLA

220. Ocular Motor Analysis of Monocular Visual Preference in Children with Amblyopia Joost Felius, **Richard W. Hertle**, Jingyun Wang, Vidhya Subramanian, Reed M. Jost, Priscilla M. Berry, Eileen E. Birch. Poster Session. Eye Movements and Nystagmus . Wednesday, May 4, 2011 1:45 - 3:30 PM 2011 ARVO Annual Meeting, Ft Lauderdale FLA

221. Ocular Motor Abnormalities in Children Characterized Using the Nidek MP1 Microperimeter Eileen E. Birch<sup>1,2</sup>, Vidhya Subramanian, Joost Felius<sup>1</sup>, Reed M. Jost, Priscilla M. Berry, David Stager, Jr., David R. Weakley, Jr., Serena X. Wang, **Richard W. Hertle**. Poster Session. Eye Movements and Nystagmus. Wednesday, May 4, 2011 1:45 - 3:30 PM 2011 ARVO Annual Meeting, Ft Lauderdale FLA.
222. Eye Drops for Nystagmus...Really. **Hertle RW**, Pediatric Ophthalmology 2011 A Childs View from Here...and There. American Academy of Ophthalmology Annual Meeting Subspecialty Day, 10/22/11, Orlando FLA.
223. Nystagmus In Infancy and Childhood: New Concepts in Diagnosis and Treatment. **Hertle RW**, Grand Rounds Presentation, Association Of Technical Personnel in Ophthalmology, Annual Meeting, Hilton Hotel, Sunday 10/23/11. Orlando, FLA
224. Case Presentation: Post-Streptococcal Uveitis. **Hertle RW** and Hanna, N. Annual Pediatric Ophthalmology Summit, Rainbow Babies and Children's Hospital, University Hospitals Eye Institute, Case Western Reserve University, 2/21/12, Cleveland, OH.
225. Poster Session, Annual Meeting of the American Association of Pediatric Ophthalmology and Strabismus, Poster<sub>71</sub>. First in Show Award, Tuesday , 3/27/12; San Antonio TX. *Head Oscillations as Part of Infantile Nystagmus Syndrome (INS)* **Hertle RW**; Yang D; Carusone, F.; Knox, S; Hanna N.
226. *Head Oscillations as Part of Infantile Nystagmus Syndrome (INS)* **Richard W. Hertle, MD**, Donsheng Yang, PhD, Frank Carusone, Stephanie Knox, Nancy Hanna, MD. Poster Session Eye Movements, Nystagmus and Visuomotor Organization . Sunday, May 5, 2012 8:45 - 10:15 AM 2012 ARVO Annual Meeting, Ft Lauderdale FLA
227. *Ocular Motor Analysis of Vergence Damping in Infantile Nystagmus Syndrome* Frank Carusone, **Richard W Hertle**, Dongsheng Yang, Stephanie Knox. Paper Session Eye Movements, Nystagmus and Visuomotor Organization . Poster Session Eye Movements, Nystagmus and Visuomotor Organization . Sunday, May 5, 2012 8:45 - 10:15 AM 2012 ARVO Annual Meeting, Ft Lauderdale FLA.
228. **Hertle RW**. A surgical Algorithm for the Treatment of Nystagmus. 2<sup>nd</sup> World Congress of Pediatric Ophthalmology and Strabismus, 9/8/12, Milano, Italy Clinical/Basic Science
229. **Hertle RW**. Lectures, *Pediatric Eye Surgery*, Ohio State University College of Optometry, 12/3/12 Ohio State University College of Optometry, Ohio State University, Columbus, Ohio.
230. **Hertle RW**. Lectures, *The Ocular Motor System and Nystagmus In Infancy and Childhood*, Michigan State University, College of Medicine (Ophthalmology), 12/7/12 Michigan State University East Lansing, MI.
231. **Hertle RW**. Lecture; *Office Management of Pediatric Glaucoma*, Hawaiian Eye Meeting, Grand Hyatt Resort, Poipu HA 1/21/13, Allied Health Professional Meeting
232. **Hertle RW**. Lecture; *Office Management of Pediatric Glaucoma*, Hawaiian Eye Meeting, Grand Hyatt Resort, Poipu HA 1/22/13, Comprehensive Ophthalmology Session, Glaucoma.
233. **Hertle RW**. Paper Presentation. *Enough Sight To Fight: The History of Vision Testing In The Military*. 3/29/14, The 26<sup>th</sup> Annual Cogan Ophthalmic History Society Meeting, Asilomar, CA.
234. **Hertle RW**. Paper presentation, *The Treatment Of Infantile Nystagmus Syndrome with Eyedrops*. Leonard Apt Meeting: Advanced Topics in Pediatric Ophthalmology and Strabismus, Pre-AAPOS Satellite Meeting, April 1, 2014. UCLA Stein Institute, Los Angeles, CA.
235. **Hertle, RW**, Chair Course IS-TH-49 *A Journey from an Idea to a Published Paper*. World Ophthalmology Congress, Tokyo, Japan, April 1, 2014

236. **Hertle, RW**, Paper Presentation. How to Handle a Rejected Paper IS-TH-49. World Ophthalmology Congress, Tokyo, Japan, April 1, 2014
237. E, Warner, N, **Hertle, R**, DePerro, D. Poster Presentation. Handheld Spectral Domain Optical Coherence Tomography (HH SD-OCT) in 50 Patients with Infantile Nystagmus Syndrome (INS) and Associated Visual System Disease. Benjamin, AAPOS Annual Meeting, Palm Springs CA, 4/2014
238. **Hertle RW**. Lectures, Nystagmus In Infancy and Childhood, Michigan State University, College of Medicine (Ophthalmology), 4/10/14 Michigan State University East Lansing, MI.
239. Warner, N, Benjamin, E, Peterson, S, Gossage, D, **Hertle, R**, DePerro, D. Poster Presentation. Spectral Domain Optical Coherence Tomography (SD-OCT) in Patients with Idiopathic Infantile Nystagmus Syndrome (INS). Michigan State University Annual Scientific Meeting, E. Lansing, MI 4/2014
240. Hanna, N, **Hertle RW**, Lawhon, W, Vogel, D, Kantak, Poster Presentation. Intravitreal Bevacizumab For Retinopathy of Prematurity (ROP): The Akron Children's Hospital (ACH) Experience. AAPOS Annual Meeting, Palm Springs CA, 4/2014
241. Efficacy and Safety of Topical Lambda-Cyhalothrin (LCL) in Reducing Eye Oscillations in A Canine model of Infantile Nystagmus Syndrome (INS). **Richard W. Hertle**, Jeffery Dumire, Louis F. Dell'Osso, Jonathan Jacobs, Lauren A. Dalvin, Dongsheng Yang, Michelle Evano-Chapman, Christina Sorboro Paper Session Eye Movements, Nystagmus and Visuomotor Organization . Paper Session Strabismus. Wednesday, May 7, 2014 11:00 - 12:45 AM 2014 ARVO Annual Meeting, Ft Lauderdale FLA.
242. Efficacy and Safety of Topical Lambda-Cyhalothrin (LCL) in Reducing Intraocular Pressure in A Canine Model with RPE65 Deficiency. Jonathan Jacobs, **Richard W. Hertle**, Jeffery Dumire, Louis F. Dell'Osso, Lauren A. Dalvin, Dongsheng Yang, Michelle Evano-Chapman, Christina Sorboro. Poster Session Eye Movements, Nystagmus and Visuomotor Organization. Tuesday, May 6, 2014 8:30 - 10:15 AM 2014 ARVO Annual Meeting, Ft Lauderdale FLA.
243. World Society of Pediatric Ophthalmology and Strabismus, Paediatric Sub Specialty Day at ESCRS, 12 September 2014, Excel, London, UK. **A Day With A Child's Eye**; Organizers, W. Aclimandos UK, D. Bremond-Gignac FRANCE, **RW Hertle USA**
244. World Society of Pediatric Ophthalmology and Strabismus, Paediatric Sub Specialty Day at ESCRS, 12 September 2014, Excel, London, UK. SESSION IV: Ocular motor disorders. Chairperson: **RW Hertle, MD USA**. Lecture: A Systematic Approach To Eye Muscle Surgery In Infantile Nystagmus Syndrome Results from 400 Patients **RW Hertle, MD**
245. **Hertle RW** Eye Muscle Surgery Does More than Move the Eyes: Changes in Central Connectivity Pre-Academy Meeting IPOS VI - "Just Strabismus" In Honor Of David L. Guyton, MD Course Directors: Nathalie Azar, MD (Chicago, Il) And Kenneth Wright, MD (Los Angeles, CA) October 17, 2014 Honore Ballroom, Palmer House Hilton Chicago
246. 2015 ARVO Annual Meeting, May 4, 2015, Denver, CO, Poster Session B0040: Exhibit Hall 3:45pm - 5:30pm. **Feasibility Study in Normal Children of a Liquid Crystal Spectacle Filter (LCSE) for Potential Treatment of Amblyopia** Megan Cochran, Richard W. Hertle, Paul Luchette, Kajal Jassemnejad, Sandip Bhatta, Tamas Kosa, Bahman Taheri
247. 2015 ARVO Annual Meeting, May 6, 2015, Denver, CO, Paper Session: 4CD 08:30am - 10:15am. **Clinical Contrast Sensitivity (CS) Testing in Patients with Infantile Nystagmus Syndrome (INS) Before and After Eye Muscle Surgery**. Richard W. Hertle, Megan Cochran, Dongsheng Yang, Priya R. Edward, Ethan Lindenbaum.

248. Khalaf, H, Dunmire, J, **Hertle, RW**, Bouhenni, R. **Topical Administration of Somatostatin to the Oxygen-Induced Retinopathy (OIR) Model of Retinopathy of Prematurity**, Paper Presentation Postgraduate Day 2015, SUMMA Akron City and St Thomas Hospital, May 29, 2015. Raymond C. Firestone Auditorium SUMMA Akron City Hospital Campus, Akron Ohio.
249. **Hertle RW**. Paper Presentation, 9/4/15, How a nine year old with oculocutaneous albinism changed my practice. The 3<sup>rd</sup> World Congress of Pediatric Ophthalmology and Strabismus, FIRA, GRAN VIA, Barcelona, Spain September 4-6, 2014.
250. **Hertle RW**. Paper Presentation, 9/6/15, A clinical algorithm for treatment of infantile nystagmus syndrome. The 3<sup>rd</sup> World Congress of Pediatric Ophthalmology and Strabismus, FIRA, GRAN VIA, Barcelona, Spain September 4-6, 2014.
251. **Hertle RW**. Symposium Co-Chair, 9/6/15, Nystagmus Surgery. The 3<sup>rd</sup> World Congress of Pediatric Ophthalmology and Strabismus, FIRA, GRAN VIA, Barcelona, Spain September 4-6, 2014.
252. **Hertle RW**. Symposium Co-Chair, 9/6/15, Strabismus Surgery Course. The 3<sup>rd</sup> World Congress of Pediatric Ophthalmology and Strabismus, FIRA, GRAN VIA, Barcelona, Spain September 4-6, 2014.
253. **Hertle RW**. Symposium, "Red Flags, Nystagmus in Infancy and Childhood." Ohio Association of Advanced Practice Nurses Annual Statewide Conference, October 23, 2015 Hyatt Regency, Columbus, Ohio
254. **Hertle RW**, Visual Rehabilitation of Patients with Oculocutaneous Albinism Type 1A: Results in 85 Patients, Pediatric Ophthalmology Update, The Cleveland Ophthalmological Society Meeting, Tuesday, 12/8/15, Double Tree Hotel, Independence, OH'
255. **Hertle, RW**, Eye Movement Disorders. 9th Middle East Paediatrics Conference, January 26, 2016 Arab Health Congress Dubai, UAE.
256. **Hertle RW**. Surgical Treatment of Nystagmus Without an Eccentric Null Position. Symposium of Nystagmus In Infancy and Childhood. Sri V.D. Swami Auditorium, Sankara Nethralaya Hospital, Chennai, India, January 28th, 2016.
257. **Hertle RW**. Treatment of Acquired Nystagmus In Adults. Symposium of Nystagmus In Infancy and Childhood. Sri V.D. Swami Auditorium, Sankara Nethralaya Hospital, Chennai, India, January 28th, 2016.
258. Poster Presentation. Visual Rehabilitation of Patients with Oculocutaneous Albinism Type 1A (OCA 1A): Results in 85 Patients. **Hertle RW**, Yang D, Ma L, Roberts T, Gao J, Madhavi G, Otabi S. 4/7/16. The Annual Meeting of The American Association for Pediatric Ophthalmology and Strabismus, Vancouver, BC, Canada
259. Paper Presentation. Analysis of Sensory Substitution Ambulation Using the Brainport Device in Blind Children Versus Controls Hanna NN, **Hertle RW**, Culp K, Doerr M, True M, Holmes B, Difranko G. 4/8/16. The Annual Meeting of The American Association for Pediatric Ophthalmology and Strabismus, Vancouver, BC, Canada
260. Paper Presentation. Management of Nystagmus In The Absence of an Eccentric Head Posture. **Hertle, RW**, In Symposium: Management of Childhood Nystagmus: Knapp Lecturer Workshop. Presenters: Sharma PI, Hertle RW, Kowal L, Kekunnaya R, Pandey S. 4/8/16. The Annual Meeting of The American Association for Pediatric Ophthalmology and Strabismus, Vancouver, BC, Canada.
261. Poster Presentation. Visual Evoked Potential (VEP) Testing and Craniofacial Synostosis (CS): Results in 67 Patients Li SL, **Hertle RW**, Lawhon, W, Hanna NN, Patel, N, Murthy, A,

Chen, T. 4/9/16. The Annual Meeting of The American Association for Pediatric Ophthalmology and Strabismus, Vancouver, BC, Canada.

262. Poster Presentation. 2016 ARVO Annual Meeting, May 5, 2016, Seattle, WA, Poster Session C0002: Exhibit Hall-11:00. Topical Administration of Somatostatin to An Oxygen-Induced Retinopathy (OIR) Model of Retinopathy of Prematurity (ROP) Hamzah Khalaf , Jeffrey Dunmire , **Richard W. Hertle** , Berta Ponsati , Jimena Fernandez , Lluís Riera-Sans , Rachida Bouhenni

263. Poster Presentation. 2016 ARVO Annual Meeting, May 3, 2016, Seattle, WA, Poster Session B0004: Exhibit Hall-11:00. Visual Evoked Potential (VEP) Testing and Craniofacial Synostosis (CS): Results in 67 Patients. Simone L. Li, **Richard W. Hertle**, William Lawhon, Nancy Hanna, Anyal Patel, Ananth Murthy, Tsulee Chen

264. **Hertle RW**. Paper Presentation. 9/9/2016. The Aphakia Treatment Study – How did it influenced my treatment of pediatric cataract. The World Society of Pediatric Ophthalmology and Strabismus, EURORETINA Meeting, Sub Specialty Day, Bella Center, Copenhagen DK

265. **Hertle RW**. Session Chair. 9/9/2016. Strabismus. The World Society of Pediatric Ophthalmology and Strabismus, EURORETINA Meeting, Sub Specialty Day, Bella Center, Copenhagen DK

266. **Hertle RW**. Paper Presentation 9/9/2016. Eye muscle surgery as part of visual rehabilitation of patients with oculocutaneous albinism: results in 85 patients. The World Society of Pediatric Ophthalmology and Strabismus, EURORETINA Meeting, Sub Specialty Day, Bella Center, Copenhagen DK.

267. **Hertle, RW**. Surgical Treatment of Nystagmus: Whom, When, and How to Operate? American Academy of Ophthalmology Annual Meeting Pediatric Ophthalmology and Strabismus Subspecialty Day, 10/15/16, Chicago, IL.

268. **Hertle, RW**. Eye Movement Recordings: More Than Squiggle-o-graphy – How to Classify and Characterize Nystagmus. American Academy of Ophthalmology Annual Meeting Orthoptic Subspecialty Session, 10/16/16, Chicago, IL.

269. **Hertle, RW**. Acute Eye Disease in the Primary Care Practice – Akron Children’s Hospital Pediatric Grand Rounds, 12/16/16

270. Ceseicyk, V, Goetz, L, Gore, A, Lalonde, M, Prapp, M, **Hertle, RW**. Intraocular Syringe Attachment, The University of Akron, Biomedical Engineering Design Spring 2017, Poster Presentation Akron University, Akron , Ohio April 24, 2017.

271. **Hertle, RW**, Ahmad, A. Clinical and Electrophysiological Results of Eye Muscle Surgery in 17 Patients with Downbeat Nystagmus (DBN). Paper presentation, Association for Research in Vision and Ophthalmology Meeting, Baltimore MD, May 7, 2017.

272. Kester, K, Roberts, TL, **Hertle, RW**. Repeatability of Visual Acuity Measured in Eccentric Gaze in Patients with Infantile Nystagmus Syndrome. Poster presentation, Association for Research in Vision and Ophthalmology Meeting, Baltimore MD, May 7, 2017.

273. Roberts, TL, **Hertle, RW**. Quantifying The Improvement In Optotype Visual Acuity In Patients With Infantile Nystagmus Syndrome As A Function of Gaze Dependent Visual Acuity Pre- And Post-Treatment. Poster presentation, Association for Research in Vision and Ophthalmology Meeting, Baltimore MD, May 7, 2017.

274. Li, S, **Hertle RW**. Routine Testing of Visual Evoked Potential Asymmetry in Pediatric Patients with Albinism. Poster presentation, Association for Research in Vision and Ophthalmology Meeting, Baltimore MD, May 10, 2017.

275. **Hertle RW.** World Society of Pediatric Ophthalmology and Strabismus Subspecialty Day Programme Coordinator FIL – Feira Internacional de Lisboa, Room 3.4 Preceding the XXXV Congress of the ESCRS 6, October 2017
276. **Hertle RW.** Lecture. What I've found innovative in the surgical treatment of strabismus. World Society of Pediatric Ophthalmology and Strabismus Subspecialty Day Programme FIL – Feira Internacional de Lisboa, Room 3.4 Preceding the XXXV Congress of the ESCRS 6, October 2017
277. **Hertle RW.** Session V: Amblyopia/Strabismus Co-Chairperson: World Society of Pediatric Ophthalmology and Strabismus Subspecialty Day Programme FIL – Feira Internacional de Lisboa, Room 3.4 Preceding the XXXV Congress of the ESCRS 6, October 2017.
278. **Hertle RW.** World Society of Pediatric Ophthalmology and Strabismus Subspecialty Day Programme Coordinator FIL – Feira Internacional de Lisboa, Room 3.4 Preceding the XXXV Congress of the ESCRS 6, October 2017
279. **Hertle RW.** Lecture. What I've found innovative in the surgical treatment of strabismus. World Society of Pediatric Ophthalmology and Strabismus Subspecialty Day Programme FIL – Feira Internacional de Lisboa, Room 3.4 Preceding the XXXV Congress of the ESCRS 6, October 2017
280. **Hertle RW.** Session V: Amblyopia/Strabismus Co-Chairperson: World Society of Pediatric Ophthalmology and Strabismus Subspecialty Day Programme FIL – Feira Internacional de Lisboa, Room 3.4 Preceding the XXXV Congress of the ESCRS 6, October 2017.
281. **Hertle RW.** Mechanisms and management of undercorrections and overcorrections after primary surgery for AHP in Nystagmus. EYE ON THE FUTURE 2017 On the occasion of the 20th Anniversary of Jasti V Ramanamma Children's Eye Care Centre Childrens Eye Center and L V Prasad Eye Institute November 30, 2017, Hyderabad India
282. **Hertle RW** Instructor, Course: Practical Strabismus Pearls Workshop. 12/1/2017 4<sup>th</sup> WCPSO IV, 4<sup>th</sup> World Congress of the World Society of Pediatric Ophthalmology and Strabismus, Hyderabad, India 12/1/17-12/3/17
283. **Hertle RW** Instructor, Course: Unique Perspectives, Bold Beginnings – WSPOS. 12/1/2017 4<sup>th</sup> WCPSO IV, 4<sup>th</sup> World Congress of the World Society of Pediatric Ophthalmology and Strabismus, Hyderabad, India 12/1/17-12/3/17
284. **Hertle RW** Paper Presentation: Interpretation of waveforms with VNG and the use of NAFX and NOFF in developing management algorithms for nystagmus. Symposium: Improving Diagnostic Acumen in Nystagmus & Eye Movements: What You Need to Know. 12/1/2017. 4<sup>th</sup> World Congress of the World Society of Pediatric Ophthalmology and Strabismus, Hyderabad, India 12/1/17-12/3/17.
285. **Hertle RW** Co-Chair, Course: Nystagmus Therapies: 12/2/2017. 4<sup>th</sup> World Congress of the World Society of Pediatric Ophthalmology and Strabismus, Hyderabad, India 12/1/17-12/3/17
286. **Hertle RW** Paper Presentation: Eye muscle surgery for acquired downbeat nystagmus. Course: Nystagmus Therapies. 12/2/2017. 4<sup>th</sup> World Congress of the World Society of Pediatric Ophthalmology and Strabismus, Hyderabad, India 12/1/17-12/3/17.

287. Fry, A, Gehring, AM, Lalonde, MK, **Hertle, RW**, Roberts, TL. Routine Testing of Visual Evoked Potential Asymmetry in Pediatric Patients with Albinism. Poster presentation, Association for Research in Vision and Ophthalmology Meeting, Baltimore MD, April, 2018
288. **Hertle RW**, Paper Presentation/Lectuer. The Blink Reflex – The Other Extraocular Muscles. Pediatric Dry Eye and Inflammatory Lid Workshop, Childrens Hospital of Pittsburgh of UPMC. 5/11/18 Hyatt Regency Airport Hotel.
289. **Hertle RW**. Cohen Syndrome and The Eye. Lecture - Presentation, Annual meeting of the Cohen Syndrome Society, 6/22/18, Embassy Suites Hotel, Beachwood, Ohio.
290. **Co-Chairperson Session 5: Strabismus** 14:30-16:00, World Society of Paediatric Ophthalmology & Strabismus SUBSPEC I ALTY DAY Friday 21 September 2018, Vienna, Austria Preceding the 36th Congress of the ESCRS, 22 – 26 September 2018
291. Paper Presentation: **Hertle, RW**. Results of the multicentre convergence insufficiency treatment trials. Session 5: Strabismus 14:30-16:00, World Society of Paediatric Ophthalmology & Strabismus SUBSPEC I ALTY DAY Friday 21 September 2018, Vienna, Austria Preceding the 36th Congress of the ESCRS, 22 – 26 September 2018.
292. **Chairperson Session 7: Free Papers III**, 17.45 – 18.15. World Society of Paediatric Ophthalmology & Strabismus SUBSPEC I ALTY DAY Friday 21 September 2018, Vienna, Austria Preceding the 36th Congress of the ESCRS, 22 – 26 September 2018
293. Paper Presentation: **Hertle RW**. The History of Eye Movement Recording: 200 Years of Investigation. The 32<sup>nd</sup> Annual Meeting of The Cogan Ophthalmic History Society, March 16<sup>th</sup> 2019, Washinton DC.
294. **Hertle, RW**, Curtis, M, Ricker, I, Gehring, A.. Clinical and Electrophysiological Outcomes After Eye Muscle Surgery in 81 Patients with Infantile Nystagmus Syndrome. Poster presentation, American Association for Pediatric Ophthalmology and Strabimsus Meeting, San Diego CA, March 29, 2019.
295. Kraft, A, Ghering, A, **Hertle, RW**, Roberts, T. Repeatability of Contrast Sensitivity in Patients with Infantile Nystagmus Syndrome Using the CSV-1000R. Poster Presentation, Association for Research In Vision and Ophthalmology Meeting, Vancouver, BC, Canada. April 28, 2019 13:00 PM
296. **Hertle, RW**, Juric, A, Ricker, I, Ghering, A. Clinical and Electrophysiological Outcomes After Eye Muscle Surgery in 81 Adults with Infantile Nystagmus Syndrome (INS) .Paper Presentation, Association for Research In Vision and Ophthalmology Meeting, Vancouver, BC, Canada. Session Number: 236 April 29, 2019 11:45 AM.
297. Ricker, I, **Hertle, RW**, Juric, A, Bouhenni, R. Prevalence and Clinical Characteristics of Childhood Glaucoma at Akron Children’s Hospital. Poster Presentation, Association for Research In Vision and Ophthalmology Meeting, Vancouver, BC, Canada. April 29. 2019, 11:15 am

**LECTURES BY INVITATION:**

July 20, 1979 "Visual Acuities in Infants with Congenital Cataracts Operated on Prior to Six Months of Age." With Rogers, Tsau, Tishler and Fellows. **National Academy of Pediatric Ophthalmology and Strabismus**, Toronto, Canada.

May 18, 1985 "The Enhancement of Surgical Flaps with the Use of Perioperative Allopurinol." **House Staff Science Day**, St. Lukes Hospital, Cleveland, Ohio.

Jan 13, 1986 "Saccadic Oscillations and Intrusions in Infancy." With Tabuchi, Dell'Osso, Abel and Weissman. **Third Ocular Motor Symposium** of the Clinical Eye Movement Society, Boston, Massachusetts.

Jan 13, 1986 "Smooth Pursuit Analysis Techniques: Are any both Quantitative and Fast?" With Able and Tiegler. **Third Ocular Motor Symposium** of the Clinical Eye Movement Society, Boston, Massachusetts.

Aug 29, 1990 "Ophthalmic Manifestations of Craniofacial Syndromes." **American Academy of Pediatric Ophthalmology and Strabismus**, 16th Annual Meeting, Boltons Landing, New York.

Sept 26, 1991 "Nystagmus and Involuntary Oscillations in Childhood and Infancy" **Grand Rounds**, The Department of Ophthalmology, Washington University School of Medicine, Seattle, WA.

Sept 14, 1992 "Strabismus Reoperations and Adjustable Suture Surgery" The Department of Ophthalmology **The Cleveland Clinic Foundation**, Cleveland, Ohio, 9/14/92.

Nov 20, 1993 "Clinical Characteristics and Management of Strabismus In Adulthood", Washington D.C. **Saturday Morning Ophthalmology Lecture Series**, National Rehabilitation Hospital, Washington D.C.

Nov 20, 1993 "Innovative Techniques In Surgery On the Extraocular Muscles" Washington D.C. **Saturday Morning Ophthalmology Lecture Series**, National Rehabilitation Hospital, Washington D.C.

Oct 16, 1995 "Strabismus In Adulthood" @ Temple University Department of Ophthalmology, **Grand Rounds Presentation**, Philadelphia, PA

Feb 21, 1996 "The Role of the Ophthalmologist in the Management of Craniofacial Patients" @ Cooper Hospital Department of Ophthalmology, **Grand Rounds Presentation**, Camden, NJ.



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Nov 1, 1996 "Clinical Characteristics and Surgical Management of Adult Strabismus" @ The University of Rochester Medical Center, Department of Ophthalmology, **Visiting Professor Lectures.**

Nov 1, 1996 "Craniofacial Disorders: A Pediatric Ophthalmic Perspective" @ The University of Rochester Medical Center, Department of Ophthalmology, **Visiting Professor Lectures.**

Nov 1, 1996 "Intraocular Lenses in Childhood" @ The University of Rochester Medical Center, Department of Ophthalmology, **Visiting Professor Lectures.**

Nov 11, 1997 "Nystagmus in Infancy and Childhood" @ The University of Tennessee, Memphis Tennessee, **Grand Rounds**, Visiting Professor Lecture.

Nov 15, 1997 The Operation "Cross Eye Surgery" **Documentary Program for The Learning Channel, 1997** Discovery Communications, Inc. Produced By Advanced Medical Productions, Inc. Chapel Hill, N.C.

Jan 21, 1998 "Clinical Characteristics of Surgically Treated Strabismus in Adults" @ **Omaha Ophthalmological Society**, Omaha, Nebraska, Visiting Professor Lecture.

June 10, 1998 "Clinical Characteristics of Surgically Treated Strabismus in Adults" @ **Greater New York Ophthalmological Clinical Lecture Series**, Manhattan Eye, Ear Hospital, N.Y., N.Y.

June 10, 1998 "Pediatric Glaucoma: Diagnosis and Management" @ **Greater New York Ophthalmological Clinical Lecture Series**, Manhattan Eye, Ear Hospital, N.Y., N.Y.

April 12, 1999 "Classification of Ocular Motor Oscillations in Infancy and Childhood: Research and Treatment Implications", **Grand Rounds Presentation**, The Columbus Children's Hospital, The Ohio State University Department of Ophthalmology and The Columbus Ohio Ophthalmologic Association Meeting, Columbus, Ohio.

May 30, 2000 "Electrophysiologic Investigation of the Ocular Motor System" **The New York Medical College, Visiting Professor**, Department of Neuroscience and Cell Biology Seminar Series.

August 6, 2000 "Captain John L. Worden's Eye Injury and Ophthalmic Care During The Civil War. **Eighth Annual Conference on Civil War Medicine**, Hood College, Frederick, Maryland August 4-6, 2000.

January 18, 2001 "Ophthalmic Injuries and Civil War Medicine." **The Washington Historical Society, Quarterly Meeting**, The Uniformed Services Health Science Center, Bethesda, MD.

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February 21, 2001 “Acquired Esotropias” **The Washington Ophthalmology Residency Consortium**, The Washington Hospital Center, Washington, D.C.

June 23, 2001 – **Keynote Address**, “Nystagmus In Infancy and Childhood: Understanding Diagnosis, Treatment and Visual Implications” American Nystagmus Network, 2001 Conference Bloomington, MN.

August 23, 2001 - **Grand Rounds and Lecture**, “Nystagmus in Infancy and Childhood – New treatment Approaches”, The Ohio State University, Department of Ophthalmology, The William Havener Eye Center, Columbus, Ohio.

September 19, 2001 – **Visiting Professor Series, Children’s Hospital of Columbus and The Central Ohio Pediatric Society Meeting**, COPS Dinner Meeting, “Ocular Torticollis or Anomalous Head Postures Due To Visual System Disease”, Columbus, Ohio.

September 20, 2001 – **Visiting Professor Series, Children’s Hospital of Columbus and The Central Ohio Pediatric Society Meeting, Medical Grand Rounds**, “Primary Care Vision Testing and Screening: Policies and Procedures”, Columbus, Ohio.

September 20, 2001 – **Visiting Professor Series, Children’s Hospital of Columbus and The Central Ohio Pediatric Society Meeting, Visiting Professor Luncheon**, “The Emergency Eye Exam in a Crying Baby”, Columbus, Ohio.

September 28, 2001 – **Conference, “New Horizons in Pediatric and Adolescent Plastic Surgery”**, Sponsored By The Cleveland Clinic, Department of Plastic and Reconstructive Surgery – Lecture “Advance Concepts in Pediatric Eye Disease and Vision Rehabilitation Strategies in Children with Major Craniofacial Malformations”, Cleveland, Ohio.

December 1, 2001, Lecture: “*Infant Anterior Segment Disease*” Optometric Educators, Inc. Conference Sponsored By **The Ohio State University College of Optometry**, The Holiday Inn, Columbus Ohio.

July 31, 2002\_ **Lecturer-Moderator, Walter Reed Army Medical Center Department of Ophthalmology Sponsored, Pediatric Ophthalmology Journal Club**, “Nystagmus In Infancy and Childhood”, Washington, D.C.

December 2, 2002 – Visiting Scholar - Lecturer, **The University of Alabama in Birmingham School of Optometry**, “Nystagmus In Infancy and Childhood”, Birmingham , Alabama.

February 1, 2003 – Lecturer, **The Ohio Ophthalmological Society Annual Meeting**, “Ocular Syndromes with Systemic Involvement,” Dublin, Ohio.

January 13, 2004 – **Visiting Professor of Ophthalmology**, Wills Eye Hospital, Philadelphia PA.

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May 5, 2004 – **Arthur W. Stickle, M.D., Pediatric Ophthalmology Lecture and Visiting Professor**, Department of Ophthalmology and Children’s Hospital, Washington University Medical Center, St. Louis, MO

July 22, 2004 - Evidence Based Treatment of Amblyopia. The PEDIG Amblyopia Treatment Studies. **2004 Regional Roundup**: Sheraton Steamboat Resort Steamboat Springs, Colorado

July 23, 2004 - A New Classification of Eye Movement Abnormalities and Strabismus. Report of The NEI Sponsored CEMAS Working Group. **2004 Regional Roundup**: Sheraton Steamboat Resort Steamboat Springs, Colorado

July 24, 2004 - New Concepts and Treatment of Nystagmus In Infancy and Childhood. **2004 Regional Roundup**: Sheraton Steamboat Resort Steamboat Springs, Colorado

August 26, 2004 – **Grand Rounds Presentation**, Evidence Based Treatment of Amblyopia, The NEI Sponsored PEDIG Amblyopia Treatment Trials. Department of Pediatrics, Children’s Hospital of Pittsburgh, Pittsburgh, PA.

March 1, 2005 - Visiting Professor, Grand Rounds. **The San Diego Ophthalmologic Society**, Department of Ophthalmology, University of California, San Diego The Shiley Eye Center and The Ratner Children’s Eye Center.

Visiting Professor, **The Royal Victorian Eye and Ear Hospital, Melbourne Australia, April 25, 2005**, Lectures; Nystagmus In Infancy and Childhood, Evidence Based Treatment of Amblyopia, Grand Rounds Examinations of Patients.

Keynote Speaker: **Vision Mind and Art Dunedin 2005, The Royal Australian and New Zealand College of Ophthalmology, New Zealand Branch Meeting, April 28 to May 1, 2005, Dunedin Town Hall, Dunedin, New Zealand**. Lectures; Treatment Methods and Visual Outcomes in Infantile Glaucoma 5/29/05, Medical and Surgical Rehabilitation of Patients with Albinism 5/30/05, New Themes for Classification of Eye Movement Abnormalities and Strabismus 5/1/05.

Keynote Speaker: **Australian and New Zealand Squint Club Conference, Dunedin Centre May 1, 2005, Dunedin Art Gallery May 2, 2005**, Dunedin, New Zealand. Lectures; Evidence Based Treatment of Amblyopia: Results of the Amblyopia Treatment Studies and the Pediatric Eye Disease Investigator Group, 5/1/5, Strabismus In Adults: Concepts in Evolution, 5/2/5, Clinical and Electrophysiological Effects of Extraocular Muscle Surgery in Patients with Infantile Nystagmus Syndrome, 5/2/5.

Grand Rounds Presentation: 5/17/05. Mercy Hospital Health System, Department of Pediatrics, Grand Rounds, Lecture; Evidence Based Treatment of Amblyopia: Results of the Amblyopia Treatment Studies and the Pediatric Eye Disease Investigator Group **Mercy Hospital, Pittsburgh, PA**.

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Keynote Speaker: **American Nystagmus Network, Biannual Meeting July 9, 2005**, Los Angeles CA, Infantile Nystagmus Syndrome

**Featured Guest - Speaker of the Royal College of Physicians and Surgeons of Canada**, Surgery for Nystagmus You Can Take Home, Indications and Procedures, The 17<sup>th</sup> Annual Jack Keynote Speaker: Crawford Day, Pediatric Ophthalmology for Everyone, The Department of Ophthalmology and Vision Sciences at The Hospital for Sick Children, April 21<sup>st</sup>, 2006, Toronto CA.

Keynote Speaker: **American Nystagmus Network, Biannual Meeting August 2007**, Pittsburgh, PA, Infantile Nystagmus Syndrome

Keynote Speaker **of the 12<sup>th</sup> National Meeting of The Chinese Strabismus and Pediatric Ophthalmology Society**, Nystagmus In Infancy and Childhood and Recent Advance in the Treatment of Amblyopia – The Amblyopia Treatment Trials, , June 18<sup>th</sup>, 2007, Chengsha, China.

Visiting Professor and Surgeon, **The Tianjin and The Aiere Eye Hospitals**, June 16-18<sup>th</sup>, 2007, Tianjin and Chengsha, China.

Visiting Professor and Surgeon, **The Goutami Eye Hospital**, January 27-29<sup>th</sup>, 2008, Rajamundry, India.

Keynote Speaker at **the 66<sup>th</sup> All India Ophthalmological Conference**, Ocular Motor and Visual Consequences of Surgery for Innfatile Nystagmus AND Evidence Based Treatment of Amblyopia – The Amblyopia Treatment Trials, , February 1<sup>st</sup>, 2008, Bangalore, India.

**Invited Speaker**, July 11<sup>th</sup>, 2008, The Biannual Meeting of **The National Organization of Albinism and Hypopigmentation**, The Riviera Hotel, Las Vega NV, *The Visual System in Albinism: New Avenues of Understanding and Treatment*

August 13, 2009 – **Grand Rounds Presentation**, Discoveries in Nystagmus In Infancy and Childhood: An Example of Applied Translational Research Department of Pediatrics, Children’s Hospital of Pittsburgh of UPMC, Pittsburgh, PA.

October 15, 2009 – **Grand Rounds Presentation**, Discoveries in Nystagmus In Infancy and Childhood: An Example of Applied Translational Research Department of Pediatrics, Magee Womens Hospital of UPMC, Pittsburgh, PA.

January 6, 2010 – **Grand Rounds Presentation**, Discoveries in Nystagmus In Infancy and Childhood: An Example of Applied Translational Research Department of Ophthalmology and Pediatrics, Children’s Hospital At Dartmouth, Hanover, NH.

March 6, 2010 – **Lecture and Panel Discussion** Surgical Treatment of Nystagmus Early Vs Late 1st World Congress on Controversies in Ophthalmology (COPHy) Clarion Congress Hotel, Prague, Czech Republic.

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September 20, 2010 – **Visiting Professor Lecture** - A Story of Change and Discovery: How and What We Learned From Studying Nystagmus In Infancy and Childhood. Yeditepe Universitesi, Goz Hastalıkları Arastırma Ve Uygulama Merkezi, Istanbul, Turkey.

February 4, 2011 - **Grand Rounds** - Retinopathy of Prematurity: Classification, Treatment, and the Role of Angiogenesis. Children's Hospital Medical Center of Akron, Akron, Ohio.

March 18-19, 2011 – **Visiting Professor** – Lecture, Nystagmus In Infancy and Childhood. Great Ormond Street Hospital For Children, London, England

April 13, 2011 – **Lecture - 31<sup>st</sup> Annual Pediatric Update for the Practicing Physician**, Children's Hospital Medical Center of Akron, Akron, OH. What Do Non-Eye Care Professionals Need to Know About Cross-Eyed Kids?

July 22, 2011 - **Keynote Speaker: American Nystagmus Network, Biannual Meeting**, Washington, D.C., What We Have Learned By Studying Nystagmus In Infancy and Childhood.

November 3-5, 2011 – **Keynote Speaker: 21<sup>st</sup> Congress of the Polish Strabismus Society**, Poznan, Poland.

January 27, 2012 – **Visiting Professor, Vision Science Research Seminar Series**, Nystagmus In Infancy and Childhood, *A Story of Change and Discovery: How and What We Learned From Studying Nystagmus in Infancy & Early Childhood*. Waterloo College of Optometry, Waterloo, Ontario, Canada

March 23, 2012 - **Visiting Professor, Binocular Vision & Pediatrics Forum**, The Ohio State University College of Optometry, Columbus OH. 7 Hours of Lecture. *Special Anatomy and Physiology The Developing Visual System; Terminology-Taxonomy-Classification; Supranuclear Disorders; Infranuclear Disorders; Common Pharmacological Treatment of Pediatric Eye Disorders; Common Surgical Treatment of Pediatric Eye Disorders; Nystagmus In Infancy and Childhood*.

May 25, 2012 – **John Harry King Lecturer and Uniformed Services Health Science University Postgraduate Day Speaker**. Combined National Naval Medical and Walter Reed Army Medical Center, Bethesda MD. *Nystagmus in Infancy and Childhood, Evidenced Based Treatment of Amblyopia, New Concepts in Ocular Motor System Taxonomy-Classification: The CEMAS system*.

September 20, 2012 – **The Roger Trimble Lecture**. The BIPOS 2012 – British Paediatric Ophthalmology and Strabismus Association Meeting, Carlton Menzies Hotel, East Overcliff, Bournemouth, UK. *A Story of Change and Discovery: How and What We Learned From Studying Nystagmus in Infancy & Early Childhood*.

September 29, 2012 – **Featured Speaker**, New Mexico Academy of Ophthalmology, Annual Scientific Meeting, Updates in Ophthalmology 2012, Sandia Resort Casino, Albuquerque, NM. *A Story of Change and Discovery: "How and What We Learned From Studying Nystagmus in*

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*Infancy & Early Childhood” AND “Creativity and Inventiveness In Pediatric Ophthalmology and Strabismus”*

February 1-3, 2013 – **Featured Speaker, Visiting Professor, *Pediatric Ophthalmology and Strabismus- America-Turkey Conference***, Scientific Meeting, Dunyagoz Eye Hospital, Istanbul, Turkey. *Lectures: “How and What We Learned From Studying Nystagmus in Infancy & Early Childhood”*, *“Creativity and Inventiveness In Pediatric Ophthalmology and Strabismus”*, *“Topical Eye Drop Treatment for Nystagmus,” AND “Head Posture + Strabismus+Nystagmus What Do I Do?”*...

March 28, 2013 – **Featured Speaker - Community of Research Seminar Series** – SUMMA Health System – *Humans to Canines to Humans: A Research Companionship That More Than Meets the EYE....* SUMMA Medical System, Akron Ohio.

June 14, 2013 – **Grand Rounds Presentation**, , McGarvey Learning Center, St. Vincent’s Medical Center, Erie, PA. *A Story of Change and Discovery: “How and What We Learned From Studying Nystagmus in Infancy & Early Childhood”*

July 13, 2013 - **Keynote Speaker: American Nystagmus Network, Biannual Meeting**, Orlando FLA, : *“How and What We Learned From Studying Nystagmus in Infancy & Early Childhood”*

November 8, 2013 – **NEOMED Pharmaceutical Study Group Presentation**, , Northeast Ohio Medical College, College of Pharmacy, Rootstown, OH. *“How and What We Learned From Studying Nystagmus in Infancy & Early Childhood”*

April 17, 2014 – **Metro Health Center-Cleveland Ohio**, Department of Pediatrics and Neurology, Pediatric Grand Rounds Presentation. *“Translational Research in Action: A Journey Studying Nystagmus in Infancy and Childhood”*

**Visiting Professor And Surgeon Faculty. L. V. Prasad Eye Institute, KAR Campus, Hyderabad, India Feb 2-4, 2015 Lectures: *Strategies For The Management Of Nystagmus, Treatment Of Recurrent Childhood Strabismus In Adults, Treatment Of ROP, Treatment Of Chronic Non-Infectious Uveitis In Children, Team Approach To Treatment Of Craniofacial Disorders, Glaucoma In Infancy And Childhood, Evidence Based Treatment Of Amblyopia.***

**73<sup>rd</sup> Annual All India Ophthalmic Society Meeting, Ashok Hotel And Conference Center, Delhi India, 2-5-15 Through 2-8-15.** Instruction Course 35 Date: 06.02.2015 Hall: I Time: 14:00 - 15:25 Juvenile Open Angle Glaucoma: Prevalence, Pathogenesis And Phenotype Genotype Correlation. Chief Instructor: Dr.Viney Gupta **Keynote Address By Dr. Richard W. Hertle: Challenges In The Treatment Of Glaucoma In Childhood**

**73<sup>rd</sup> Annual All India Ophthalmic Society Meeting, Ashok Hotel And Conference Center, Delhi India, 2-5-15 Through 2-8-15** Instruction Course 216 Date: 08.02.2015 Hall: K Time: 10:00 - 11:25 Management Of Strabismus: Usual And Unusual Cases Chief Instructor: Dr.Rohit

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Saxena [S06615] - Key Note Address By **Dr. RICHARD W. HERTLE**: The Evaluation And Treatment Of Strabismus In Adults

**73rd Annual All India Ophthalmic Society Meeting, Ashok Hotel And Conference Center, Delhi India, 2-5-15 Through 2-8-15** Instruction Course: Neuro Ophthalmology Level: Advanced Date: 08.02.2015 Hall: K Time: 11:30 - 12:55 Principles And Paradigms In The Management Of Nystagmus. Chief Instructor: Dr.Mihir Trilok Kothari **Key Note Address By Dr. RICHARD W. HERTLE : Nystagmus In Infancy And Childhood**

**Visiting Professor And Surgeon Faculty, The Goutami Eye Hospital, February 9-14<sup>th</sup>, 2015, Rajamundry, India.**

**Symposium On Pediatric Ophthalmology, Lecturer:**, February 14-15<sup>th</sup>, The Goutami Eye Hospital, Rajamundry, India. Lectures: Challenges In Management Of Pediatric Glaucoma, Nystagmus In Infancy And Childhood, Newer Trends In Management Of Adult Strabismus

The Boards of Medicine and Vision Research Foundation, Madras City Ophthalmological Society, **Dr. Nagamani Dharmapuri Endowment Lecture.** “ A Story of Change and Discovery: How and what we learned from studying Nystagmus in Infancy and Childhood.” Sri V.D. Swami Auditorium, Sankara Nethralaya Hospital, Chennai, India, January 28<sup>th</sup>, 2016.

Cardinal Santos Medical Center, Manila Philippines, Department of Ophthalmology Resident **Grand Rounds Lecture**, “*How and What We Learned From Studying Nystagmus in Infancy & Early Childhood.*” March 2, 2016.

**Visiting Professor And Surgeon Faculty, The Pacific Eye and Laser Hospital, February 27-March 5, 2016, Manila, Philippines.**

5/30/16. A Story of Change and Discovery: How and What We Learned From Studying Nystagmus In Infancy and Childhood. Pediatric Ophthalmology and Strabismus Subspecialty Day. **The 4th Annual Israeli Ophthalmological Society Conference, David Intercontinental Hotel, Tel Aviv, Israel 5/30/16-6/1/16**

5/30/16. Strabismus in Adults: Concepts in Evolution. Pediatric Ophthalmology and Strabismus Subspecialty Day. **The 4th Annual Israeli Ophthalmological Society Conference, David Intercontinental Hotel, Tel Aviv, Israel 5/30/16-6/1/16**

5/30/16. Qualitative Analysis of Sensory Substitution Ambulation Using The Brainport Device in Blind Children. Pediatric Ophthalmology and Strabismus Subspecialty Day. **The 4th Annual Israeli Ophthalmological Society Conference, David Intercontinental Hotel, Tel Aviv, Israel 5/30/16-6/1/16**

5/30/16. Creativity and Inventiveness in Pediatric Ophthalmology and Strabismus. Pediatric Ophthalmology and Strabismus Subspecialty Day. **The 4th Annual Israeli Ophthalmological Society Conference, David Intercontinental Hotel, Tel Aviv, Israel 5/30/16-6/1/16**

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5/30/16. Gene Transfer Therapy in Canines and Humans: Ocular Motor Analysis. Pediatric Ophthalmology and Strabismus Subspecialty Day. **The 4th Annual Israeli Ophthalmological Society Conference, David Intercontinental Hotel, Tel Aviv, Israel 5/30/16-6/1/16**

5/31/16. Visual Rehabilitation of Patients with Oculocutaneous Albinism Type IA (OCA 1A): Results In 85 Patents. Orthoptists / Optometrists Meeting at **The 4th Annual Israeli Ophthalmological Society Conference, David Intercontinental Hotel, Tel Aviv, Israel 5/30/16-6/1/16**

5/31/16. Intraocular Lenses In Children: How Low Can We Go? Pediatric Ophthalmology and Strabismus Session Meeting at **The 4th Annual Israeli Ophthalmological Society Conference, David Intercontinental Hotel, Tel Aviv, Israel 5/30/16-6/1/16**

2/2/17. **A Story of Change and Discovery: How and What We Learned From Studying Nystagmus In Infancy and Childhood.** Stonybrook Medical Center, Department of Ophthalmology Grand Rounds Presentation. Stonybrook, N.Y.

3/19/17. **A Story of Change and Discovery: How and What We Learned From Studying Nystagmus In Infancy and Childhood.** Keynote Lecture, 2017 Conference of Strabismus, Amblyopia and Children's Eye Diseases, Lu-shan International Nystagmus Forum, Huyan Hotel, Chengsha, Hunan, China.

12/3/2017 . **Keynote Strabismus Lecture: How and What We Learned From Studying Nystagmus in Infancy and Childhood.** 4<sup>th</sup> WCPOS, 4<sup>th</sup> World Congress of the World Society of Pediatric Ophthalmology and Strabismus, Hyderabad, India 12/1/17-12/3/17.

3/5/18 through 3/8/18 **Visiting Professor of Ophthalmology**, Tung Wah Group of Hospitals, Tung Wah Eastern Hospital, The College of Ophthalmologists of Hong Kong, Hong Kong China. 3/5/18; *Strabismus In Adults: Core Concepts and Challenges, Results of Randomized Clinical Trials of Treatments for Convergence Insufficiency and its effect on Reading and Attention.* 3/6/18; *New Discoveries in Physiology, Drug and Device Development and Surgical Treatment: Results of Studying Nystagmus In Infancy and Childhood.* 3/7/18; *Intraocular Lenses in Children: How Low Can We Go?, Three Decades of Experience With Glaucoma In Infants and Children.* 3/8/18. *Evidence Based Treatment of Amblyopia: The Impact of the Pediatric Eye Disease Investigator Group, Classification, Evaluation and Treatment of Retinopathy of Prematurity.*

3/6/18. **Visiting Professor of Ophthalmology**; School of Optometry, PolyU (A034), Hong Kong, China. Lecture: Clinical assessment of nystagmus and abnormal eye movements in children.

8/21/18. **Visiting Professor of Ophthalmology**, University of Oslo, Department of Ophthalmology, Eye Center.

8/22/18. **Keynote Speaker: 2018 Nordic Congress of Ophthalmology**, Oslo, Kongressenter, Oslo, Norway. Title of Talk: "All you need to know about nystagmus."



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8/23/18. **Invited Speaker, 2018 Nordic Congress of Ophthalmology**, Oslo, Kongressenter, Oslo, Norway Session M26 What is new in strabismus surgery? Title of Talk: Strabismus in adults: Core concepts and challenge.

9/11/18. **Invited Lecturer- Strabos Institute São Paulo, Brazil**. International Connection Skype - "What a strabismus fellow should know about nystagmus - a good way to begin".

10/26/18. **Keynote Lecture**, The First Congress of the Combined Meeting of The Italian Society of Pediatric Ophthalmology and The Italian Strabismological Association, Naples, Italy. "Management Of Nystagmus: Diagnosis And Treatment"

1/16/19. **Invited Speaker** – Grand Rounds – New York University Department of Ophthalmology. A Story of Change and Discovery: How and What We Learned From Studying Nystagmus In Infancy and Childhood. Langone Eye Center, NY, NY.

4/12/19. **Keynote Speaker** – International Forum of Vision and Ocular Motility – Liang Kang, Bight Eyes Corporation Eye Hospital A Modern Understanding of Nystagmus Diagnosis and Treatment in Infancy and Childhood, Jinan, Shandong Provence, China.

4/13/19. **Keynote Speaker** – International Forum of Vision and Ocular Motility – Bight Eyes Corporation Eye Hospital. A Modern Understanding of Nystagmus Diagnosis and Treatment in Infancy and Childhood, Grand Mercure Hotel, Shanghai Jinan, Shandong Provence, China.

5/6/19 through 5/27/19 – **Visiting Professorship**, Research Sabbatical, The Royal Institute of London, The Faraday Laboratory and The Department Of Neurology, The University College of London. London, England, UK.

#### **COMMUNITY ACTIVITIES:**

1973-75 Varsity Ice Hockey, Hicksville High School, Hicksville N.Y.  
1973-75 Varsity Tennis, Hicksville High School, Hicksville, N.Y.  
1973-75 Youth Ice Hockey, Town of Oyster Bay, Oyster Bay, N.Y.  
1975-76 Club Ice Hockey, State University of N.Y. at Buffalo, Buffalo, N.Y.  
1976-77 Club Ice Hockey, Ohio State University, Columbus, Ohio  
1977-78 Varsity Ice Hockey, Ohio State University, Columbus, Ohio  
1978-79 Club Ice Hockey, Ohio State University, Columbus Ohio  
1981-84 Big Brother, Big Brother, Big Sister Association, Akron, Ohio.  
1980-84 Mens Club Ice Hockey, Kent State University, Kent, Ohio  
1985-86 Youth Ice Hockey Coach, Mid-American Hockey League, Mentor Ohio  
1990-93 Youth Ice Hockey Coach, (Pee-Wee, Bantams)Haverford Hawks, Haverford, PA  
1991-1995 Board of Directors, Pennsylvania Association Blind and Visually Impaired  
1990 Associate Level Coaching Award, USA Hockey  
1991 Intermediate Level Coaching Award, USA Hockey  
1992 Advanced Level Coaching Award, USA Hockey  
1992-94 Assistant Coach, Haverford High School, Junior Varsity Ice Hockey, Delaware Valley High School Hockey League (1993-94 Delaware Valley Champions)  
1992-93 Head Coach, Haverford Hawks, Atlantic District, USA Hockey, "In-House League"

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- 1992- 96 USA Hockey Atlantic District Coaching Clinic Instructor: Ice Hockey Injuries: Prevention, Assessment and Treatment.
- 1993- 1995 Assistant Coach and Team Physician, Junior Flyers, Atlantic Youth Hockey League and The Metropolitan Junior Hockey Association, Trenton, NJ, and Philadelphia, PA
- 1994-1998 Head Coach, Springfield High School Varsity Ice Hockey, Delaware Valley High School Hockey League, Springfield, PA.
- 1998-2001 Varsity Coach, Sherwood High School Ice Hockey, Maryland Scholastic Hockey League, Olney, MD.
- 2001-2003 Head Coach, Northeast Storm High School Hockey Organization, The Greater Columbus High School Club (GCHSCHL) Hockey League, Columbus, Ohio.
- 2003 Masters Level V- USA Hockey Amateur Coaching Certification, Pittsburgh PA.
- 2003-2004 Head Coach, Columbus Chiller Youth Hockey Association, Bantam House League.
- 2004-2005 Head Coach, Junior Varsity, Franklin Regional High School Ice Hockey, Pennsylvania Interscholastic Hockey League, Pittsburgh PA.
- 2006-2009 Head Coach, North Allegheny High School Freshmen Ice Hockey Club, Wexford, PA, The Pennsylvania Interscholastic Ice Hockey League.
- 2009-2010 Head Coach Mars High School Freshmen Ice Hockey Club, Mars, PA, The Pennsylvania Interscholastic Ice Hockey League.
- 2010-2012 Head Coach, Kent Cyclones Ice Hockey, Pee-Wee Level 1, Kent, Ohio.
- 2013-Present Assistant Coach, Varsity Ice Hockey, Cuyahoga Valley Christian Academy, Hudson OH
- 2013-Present National Federation of State High School Associations– Coaching Certifications; -Fundamentals of Coaching, National and Ohio Components Concussion In Sports -First Aid, Health, and Safety for Coaches (American Red Cross).
- 2013-2019 American AED/CPR Association – Healthcare Provider CPR Course – Valid thru 11/15/19