

CURRICULUM VITAE

Name: Cameron F. Parsa, M.D.

DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointment

1/2004 – Present Assistant Professor, Department of Ophthalmology, The Krieger Children's Eye Center, Johns Hopkins University School of Medicine; Active Staff, The Johns Hopkins Hospital, Baltimore, Maryland

Personal Data

Business Address: Wilmer 233
The Johns Hopkins Hospital
600 N. Wolfe Street
Baltimore, MD 21287-9028

Office: (410) 955-8314
FAX: (410) 955-0809
E-mail: cparsa@jhmi.edu
Place of Birth: Brooklyn, New York
Citizenship: United States of America

EDUCATION AND TRAINING

1977-79 High School; C Section, Lycée Jean Baptiste Say, Paris, France
1979-81 College; Stevens Institute of Technology, N.J.
1981-83 Bachelor of Science in Physics, New York University, WSUC
1983-85 Graduate Physics, New York University, GSAS
1985-88 Medicine, Faculté Libre de Médecine, Lille, France
1990-91 Research Leave of Absence - Johns Hopkins Hospital/National Institutes of Health
1988-91 MD cum laude with Distinction in Research, SUNY/Health Science Center at Brooklyn

POSTGRADUATE TRAINING

1991-92 Intern in Medicine, New York University/Bellevue Hospital, NY
1992-93 First year resident in Ophthalmology, University of Pennsylvania, PA
1993-94 Leave of absence/Independent research
1994-96 Resident in Ophthalmology, Louisiana State University in Shreveport, LA
1996-97 Postdoctoral fellowship in Neuro-Ophthalmology (William F. Hoyt, M.D. and Creig S. Hoyt, M.D.), Univ. of California, San Francisco, CA
1997-98 Postdoctoral fellowship in Pediatric Ophthalmology & Strabismus (David L. Guyton, M.D.), Johns Hopkins Hospital, MD

PROFESSIONAL EXPERIENCE

- 7/1997 – 12/1999 Assistant, Department of Ophthalmology, The Krieger Children's Eye Center, Johns Hopkins University School of Medicine; Active Staff, The Johns Hopkins Hospital and Johns Hopkins Community Physicians Health Centers, Baltimore, Maryland.
- 11/1998 – 10/1999 Visiting Faculty & Founding Director, Neuro-Ophthalmology Unit, Department of Ophthalmology, Iran University of Medical Sciences; Active Staff, Rassool Akram Medical Center, Tehran, Iran.
- 1/2000 – 12/2003 Assistant Professor, Department of Ophthalmology, The Johns Hopkins Center for Hereditary Eye Diseases, and The Krieger Children's Eye Center, Johns Hopkins University School of Medicine; Active Staff, The Johns Hopkins Hospital and Johns Hopkins Community Physicians Health Centers, Baltimore, Maryland.
- 1/2004 – present Assistant Professor, Department of Ophthalmology, Krieger Children's Eye Center, Johns Hopkins University School of Medicine; Active Staff, The Johns Hopkins Hospital, Baltimore, Maryland.

RESEARCH ACTIVITIES

Publications: *Peer-reviewed articles*

1. Repka MX, Hudak ML, **Parsa CF** & Tielsch JM: Calf-lung surfactant extract prophylaxis and retinopathy of prematurity. *Ophthalmology*, 1992 Apr;99(4):531-6.
2. **Parsa CF**, Temprano J, Wilson D, Green WR: Hemorrhage complicating YAG laser feeder vessel coagulation of cornea vascularization. *Cornea*, 1994 13(3):264-8.
3. Caspi RR, Chan CC, Grubbs BG, Silver PB, Wiggert B, **Parsa CF**, Bahmanyar S, Billau A, Heremans H: Endogenous systemic interferon-gamma has a protective role against ocular autoimmunity in mice. *Journal of Immunology*, 1994 Jan 15;152(2):890-9.
4. Muci-Mendoza R, **Parsa CF**, Hoyt WF: Development of cilioretinal collaterals in a patient with calcific valvular heart disease. *Archives of Ophthalmology*, 1998 Feb. 116(2):255.
5. **Parsa CF**, Grant EP, Dillon Jr, W, du Lac S, Hoyt WF: Absence of the abducens nerve in Duane syndrome verified by magnetic resonance imaging. *American Journal of Ophthalmology*, 1998 March 125(3):399-401.
6. Rubtsova IV, **Parsa CF**, Hoyt WF: Spontaneous regression of a familial optic documentation by serial MR scans over eight years in a boy with probable NF-1. *Vistnik Ophthalmologii*, 1998 May 114(3):48-51.
7. **Parsa CF**, George ND, Hoyt CS: Pharmacologic reversal of ptosis in a patient with acquired Horner's syndrome and heterochromia. *British Journal of Ophthalmology*, 1998 Sept. 82(9):1095.
8. **Parsa CF**, Muci-Mendoza R, Hoyt WF: AION occurring in a disc with a cup: an exception to the rule. *Journal of Neuro-Ophthalmology*, 1998 Sept. 18(3):169-70.

9. **Parsa CF**, Cheeseman Jr, EW, Maumenee IH: Demonstration of exclusive cilioretinal vascular supply of the retina in Man: vacant discs. *Transactions of the American Ophthalmological Society* 1998; 96:95-106; discussion 106-9.
10. **Parsa CF**, Silva E, Sundin O, Goldberg MF, et al: Redefining papillorenal syndrome: an under-diagnosed cause of ocular and renal morbidity. *Ophthalmology*, 2001 Apr. 108(4):738-749.
11. **Parsa CF**, Hoyt CS, Lesser RL, Weinstein JM, et al: Spontaneous regression of optic gliomas: 13 cases documented by serial neuroimaging. *Archives of Ophthalmology*, 2001 Apr. 119:516-529.
12. **Parsa CF**, Ellis FJ, Guyton DL: Photographic reproduction of out-of-focus and distorted ocular imagery. *Vision Research*, 2001 June 41(12):1489-1499.
13. **Parsa CF**: Spontaneous venous pulsations should be monitored during glaucoma therapy. *British Journal of Ophthalmology*, 2002 October 86(10):1187.
14. **Parsa CF**. Measuring pseudophakic accommodation. *Supplement to Cataract and Refractive Surgery Today* 2003, March p.29-31. Also republished as Measuring pseudophakic accommodation: an evaluation of available methods, Cover Story, *Cataract and Refractive Surgery Today* 2004; 4(7):50-52 and included again as a book chapter in *CRST's Virtual Textbook of Cataract Surgery. Chapter 11: Accommodating IOLs. July 2004*.
15. Sundin OH, Leppert GS, Silva ED, Yang YM, Dhamaraj S, Maumenee IH, Coutinho Santos L, **Parsa CF**, Traboulsi EI, Broman KW, DiBernardo C, Sunness JS, Toy J, Weinberg EM. Extreme hyperopia is the result of null mutations in *MFRP*, which encodes a Frizzled-related protein. *Proceedings of the National Academy of Sciences of the United States of America*, 2005;102:9553-8.
16. Sanjari MS, Parvaresh MM, **Parsa CF**. Oil drop cataract or invisible cataract. *Bina Journal of Ophthalmology, Scientific Journal of the Eye Bank of I.R. Iran*, 2006;11(3): 403-5.
17. Pakravan M, Parsa A, Sanagou M, **Parsa CF**. Central corneal thickness and correlation to optic disc size: A potential link for susceptibility to glaucoma. *British Journal of Ophthalmology*, 2006 Sep 14; [Epub ahead of print], 2007 Jan;91(1):26-8.
18. Roche O, Beby F, Parsa A, Orssaud C, Dufier JL, **Parsa CF**. Nonpenetrating external trabeculectomy for congenital glaucoma: a retrospective study. *Ophthalmology*, 2007 Nov;114(11):1994-9.
19. Roche O, Roumes C, **Parsa C**. Techniques de mesure du pouvoir accommodatif phake et pseudo-phake, avec methode de distinction entre insuffisances accommodatives d'origine neurologique et mecanique. *Journal Français d'Ophtalmologie*, 2007 Nov;30(9):953-60.
20. **Parsa CF**, Givrad S. Juvenile pilocytic astrocytomas do not undergo spontaneous malignant transformation: Grounds for designation as hamartomas. *British Journal of Ophthalmology*, 2008 Jan;92(1):40-6. Epub 2007 Oct 25.

21. **Parsa CF**, Givrad S. Pilocytic astrocytomas as hamartomas: implications for treatment. *British Journal of Ophthalmology*, 2008 Jan;92(1):3-6.
22. **Parsa CF**. A unifying pathophysiologic mechanism for the Sturge-Weber syndrome. *Current Treatment Options in Neurology*, 2008 Jan;10(1):47-54.
23. **Parsa CF**, Adyanthaya R. Why atropine drops *should* be used in Down syndrome. *British Journal of Ophthalmology*, 2008 Feb;92(2):295-6.
24. **Parsa CF**, Almer ZE. Supranumerary optic disc vessels may indicate reduced systemic angiogenesis in Down syndrome. *British Journal of Ophthalmology*, 2008 Mar;92(3):432-3.
25. **Parsa CF**. [Invited editorial] Of *Pax2* laboratory mice and human papillorenal investigations: maintaining the distinctions between cause and effect. *Journal of the American Association of Pediatric Ophthalmology and Strabismus*, 2008 Apr;12(2):113-4.
26. **Parsa CF**, Parsa A. Diagnosing papillorenal syndrome: see the optic papilla. *Pediatric Nephrology* 2008 May 30. [Epub ahead of print], Oct;23(10):1893-4.
27. Roche O, Beby F, Dufier JL, **Parsa CF**. Descemet's membrane rupture accompanied by stromal clefting in congenital glaucoma. *Archives of Ophthalmology* 2008 Aug;126(8):1163-4.

Publications: *abstracts*

1. **Parsa CF**, Ellis FJ, Guyton DL: Photographic simulation of blurred ocular imagery. *Investigative Ophthalmology and Visual Science*, 1993, 34 (Suppl.): 775 (Poster).
2. **Parsa CF**, Repka MX: Delayed onset of bone marrow transplantation retinopathy in the absence of radiation therapy. *Investigative Ophthalmology and Visual Science*, 1997, 39 (Suppl.): 988 (Poster).
3. **Parsa CF**: Brückner's reflex and the foveal pit: a relationship brought to light. North American Neuro-Ophthalmology Society Meeting, Palm Springs, CA, February 2001 (Poster). Also presented at the Annual Meeting of the American Association for Pediatric Ophthalmology and Strabismus, March 2001, Orlando, FL, and the Annual Meeting of the Association for Research in Vision and Ophthalmology, April 2001, Ft. Lauderdale, FL.
4. De Jong MR, **Parsa CF**, Hamper UM. Ultrasound findings in papillo-renal syndrome. *Ultrasound in Medicine and Biology*, May 2003 (Vol. 29, Issue 5 (Supplement), Page S99).

Extramural Funding

November, 2008 (funding pending)	NIH RO1, Co-Investigator, 20% effort. Study of nanophthalmos and high hypermetropia
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Principal Investigator: Olof Sundin

2005- present

Sturge-Weber Foundation, Co-Investigator
Multidisciplinary study of Sturge-Weber Syndrome
Principal Investigator: Anne M. Comi, M.D.

1998-1999

NIH grant RR00052 (GCRC) Michael Klag (PI)
Protocol Title: Phenotypic and Genetic Investigation of Papillo-Renal Syndrome
Investigator: Cameron F. Parsa
Subproject underneath core grant to investigate families with inherited abnormalities of optic nerve vasculature indicative of renal disease.

EDUCATIONAL ACTIVITIES

Publications: *Case report*

1. Sanjari MS, Parvaresh MM, **Parsa CF**. Peripapillary Staphyloma: A Case Report. Bina Journal of Ophthalmology, Scientific Journal of the Eye Bank of I.R. Iran, 2004;9(3):288-90.

Publications: *Meeting Transactions*

1. **Parsa CF**, Sanjari MS, Guyton DL. Non-absorbable sutures should be used for inferior rectus muscle recessions. Transactions 29th European Strabismological Association Meeting - de Faber (ed) 2005;81-84.
2. **Parsa CF**. Sturge-Weber syndrome and the phacomatoses: Odd man found out. Transactions of the 31st North American Neuro-Ophthalmology Society Annual Meeting. Copper Mountain, Colorado, February 17, 2005:339-43.
3. Soltan-Sanjari M, **Parsa CF**, Guyton DL. Palpebral fissure changes after horizontal muscle surgery. Strabismus 2006, Proceedings of the Joint Congress. The Xth meeting of the International Strabismological Association ISA and the First extraordinary meeting of the Latin American Council of Strabismus CLADE. De Faber JT, Souza-Dias (eds), Cultura Médica, Rio De Janeiro, p.219-23.
4. **Parsa CF**. A theoretically optimal and practical surgical approach to Duane syndrome. Strabismus 2006, Proceedings of the Joint Congress. The Xth meeting of the International Strabismological Association ISA and the First extraordinary meeting of the Latin American Council of Strabismus CLADE. De Faber JT, Souza-Dias (eds), Cultura Médica, Rio De Janeiro, p.315-20.

Publications: *Letters*

1. **Parsa CF**, Hoyt WF: All prepapillary arterial loops are not alike [letter]. Archives of Ophthalmology 1999 Jul; 117(7):978. Also published in Spanish edition, 1999 Nov.-Dec; 10(6):291.

2. **Parsa CF**, Goldberg MF, Hunter DG: Papillorenal (“renal coloboma”) syndrome [letter]. *American Journal of Ophthalmology*, 2002 August 134 (2):300-1; discussion 301.
3. **Parsa CF**, Goldberg MF, Hunter DG: Papillorenal syndrome in a Brazilian family [letter]. *Archives of Ophthalmology*, 2002 December 120(12):1772-73.
4. **Parsa CF**, Goldberg MF, Hunter DG: No colobomas in renal coloboma syndrome [letter]. *Ophthalmology*, 2003 February 110(2):251.
5. **Parsa CF**. HIPAA and research: how have the first two years gone? [letter] *American Journal of Ophthalmology*, 2006 Sep;142(3):530.
6. Parsa A, Sanagou M, Pakravan M, **Parsa CF**. Analytic model for central corneal thickness and correlation to disc size. *Br J Ophthalmol*, March 5, 2007 [Epub letter].

Publications: *Book chapters*

1. **Parsa CF**: Accommodative spasm. In: Fraunfelder FT, Roy FH (eds): *Current Ocular Therapy*, 5th edition, Philadelphia, W.B. Saunders Company, 2000:507-508.
2. **Parsa CF**: Papillo-renal syndrome. In: Fraunfelder FT, Roy FH (eds): *Current Ocular Therapy*, 5th edition, Philadelphia, W.B. Saunders Company, 2000:292-293.
3. **Parsa CF**: Conjunctiva and subconjunctiva. In: Taylor DS, Hoyt CS (eds): *Pediatric Ophthalmology and Strabismus*, 3rd edition, W.B. Saunders Ltd, 2005, Chapter 27, p.235-43.
4. **Parsa CF**: Accommodative spasm. In: Fraunfelder FT, Roy FH (eds): *Current Ocular Therapy*, 6th edition, Philadelphia, W.B. Saunders Company, 2008:517-8.
5. **Parsa CF**: Optic nerve glioma. In: Fraunfelder FT, Roy FH (eds): *Current Ocular Therapy*, 6th edition, Philadelphia, W.B. Saunders Company, 2008:262-4.
6. Rafiei N, **Parsa CF**: Neurofibromatosis. In: Fraunfelder FT, Roy FH (eds): *Current Ocular Therapy*, 6th edition, Philadelphia, W.B. Saunders Company, 2008;193-5.
7. **Parsa CF**: Papillo-renal syndrome. In: Fraunfelder FT, Roy FH (eds): *Current Ocular Therapy*, 6th edition, Philadelphia, W.B. Saunders Company, 2008:301-3.
8. **Parsa CF**: Congenital optic disc anomalies. Chapter 311. In: Albert and Jacobiec's *Principles and Practice of Ophthalmology*, 3rd edition, Albert DM, Miller JW, eds. W.B. Saunders/Elsevier Company, Philadelphia, 2008;4271-5.

Publications: *Book reviews*

1. **Parsa CF**: “Harley’s *Pediatric Ophthalmology*”, 4th ed. Nelson LB (ed), Philadelphia, W.B. Saunders Company, *American Journal of Ophthalmology*, 1998, Nov. 126(5):745.

2. **Parsa CF:** "Paediatric Ophthalmology," Moore A (ed), London, BMJ Books, American Journal of Ophthalmology, 2002, Jan. 133 (1):172-173.

Publications: *Other media*

Parsa CF. Papillorenal syndrome and associated *PAX2* mutations. In: Pediatric Ophthalmology/ Strabismus Subspecialty Clinical Update [American Academy of Ophthalmology Web site]. Vol 1; module 6. November 2003. Available at: <http://www.aao.org>.

CD-ROM: ISRS/AAO 2003: Refractive Surgery Comes of Age, American Academy of Ophthalmology 2003 Subspecialty Day, November 14th, 2003, Anaheim, CA.

CD-ROM: 18th Annual Current Concepts in Ophthalmology Meeting, December 2005, Baltimore, MD.

CD-ROM: Clinical Scenarios, Evidence-Based Reviews, and Controversies: a multi-level approach. American Academy of Ophthalmology, in conjunction with the North American Neuro-Ophthalmology Society. Subspecialty Day 2005.

Julia Talsma, **Parsa CF.** Cause of transient monocular visual loss may be difficult to ascertain. Ophthalmology Times, January 2006 (correction published April 15, 2006).

Mahbulul Huq AHM, Chugani, HT, Levin AV, Morelli JG, Bodensteiner J, Goldberg G, **Parsa C.** Sturge-Weber syndrome emergency room guide. Pamphlet published and distributed by The Sturge-Weber Foundation, 2008.

Teaching:

Clinical Instruction:

Medical Student Tutorials: Hereditary Eye Diseases, Johns Hopkins Center for Hereditary Eye Diseases; twice yearly from 1/2000 to 12/2004, reinitiated February 2, 2007 within the division of Pediatric Ophthalmology and Strabismus.

Medical Student Tutorial: Strabismus, Krieger Children's Eye Care Center, Spring 2004, Baltimore, MD.

Resident lecture: Phacomatoses, Spring 2000, Baltimore, MD.

Resident lecture: Phacomatoses, September 20, 2002, Baltimore, MD.

Resident lecture: Exotropia. Wilmer Eye Institute, Spring, 2004, Baltimore, MD.

Resident lecture: Ophthalmic Knowledge Assessment Profile (OKAP) review. Wilmer Eye Institute, May, 2004, Baltimore, MD.

Pediatric Neurology Divisional Lecture: Pediatric neuro-ophthalmology, Department of Neurology, Fall 2004, Johns Hopkins Hospital, Baltimore, MD.

Resident Lecture: Exodeviations. Wilmer Eye Institute, January 28, 2005, Baltimore, MD.

Resident lecture: MSKP review. Wilmer Eye Institute, May, 2005, Baltimore, MD.

Resident Lecture: Esotropia. Wilmer Eye Institute, November 11, 2005, Baltimore, MD.

Resident lecture: Nystagmus. Wilmer Eye Institute, Johns Hopkins Hospital, November 15, 2005, Baltimore, MD.

Technician Lecture: Nystagmus in the Clinic: Causes types, treatments. Wilmer Eye Institute, Johns Hopkins Hospital, December 1, 2005, Baltimore, MD.

Resident lecture: Exotropias. Wilmer Eye Institute, October 27, 2006, Baltimore, MD.

Resident lecture: Congenital anomalies of the optic nerve/retina. Wilmer Eye Institute, November 3, 2006, Baltimore, MD.

Resident lecture: Exotropias. Wilmer Eye Institute, October 12, 2007, Baltimore, MD.

Resident lecture: Congenital anomalies of the optic nerve/retina. Wilmer Eye Institute, October 26, 2007, Baltimore, MD.

Grand Rounds:

Guest: Pediatric Grand Rounds (De Morsier syndrome), Johns Hopkins Hospital, October 1997, Baltimore, MD.

Grand Rounds Moderator:

Pediatric Ophthalmology, Wilmer Eye Institute: Fall 2004.

Pediatric Ophthalmology, Wilmer Eye Institute: April 2005.

Pediatric Ophthalmology, Wilmer Eye Institute: June 2006.

Pediatric Ophthalmology, Wilmer Eye Institute: April 2007.

Pediatric Ophthalmology, Wilmer Eye Institute: February 2008.

Pediatric Ophthalmology, Wilmer Eye Institute: January 2009.

Wilmer Eye Institute Friday Afternoon Research Meeting (“F.A.R.M.”) presentations:

Sturge-Weber Syndrome and the phacomatoses: odd man found out. March 2007

Why optic gliomas are simply hamartomas: new findings and insights. February 2008

Continuing Medical Education lectures:

Photographic simulation of blurred ocular imagery. 52nd Clinical Meeting of Wilmer Residents Association, April, 1993, Baltimore, MD.

Spontaneous regression of a familial optic glioma: documentation by serial MR scans over eight years in a boy with probable NF-1. North American Neuro-Ophthalmology Society, February 1997, Keystone, CO.

Spontaneous regression of nine optic gliomas demonstrated by serial MR imaging. North American Neuro-Ophthalmology Society, March 1998, Orlando, FL.

Spontaneous regression of nine optic gliomas demonstrated by serial MR imaging. 57th Clinical Meeting of Wilmer Residents Association, May 1, 1998, Baltimore, MD.

Brückner's reflex and the foveal pit: a relationship brought to light. 58th Clinical Meeting of Wilmer Residents Association, April 30, 1999, Baltimore, MD.

Redefining papillo-renal ("renal-coloboma") syndrome: an under-recognized cause of ocular and renal morbidity? 58th Clinical Meeting of Wilmer Residents Association, May 1, 1999, Baltimore, MD.

Redefining papillo-renal ("renal-coloboma") syndrome: an under-recognized cause of ocular and renal morbidity? North American Neuro-Ophthalmology Society Meeting, March 2000, Mt. Tremblant, Quebec.

Optic gliomas: new concepts and controversies. 13th Annual Current Concepts Meeting in Ophthalmology, December 9, 2000, Baltimore, MD.

Optic gliomas: new concepts and controversies. 13th Annual Current Concepts Meeting in Ophthalmology, December 9, 2000, Baltimore, MD.

The pupillary exam: basics and beyond. Sixth Annual Continuing Education Course for Ophthalmic Technicians and Medical Personnel, January 20, 2001, Baltimore, MD.

Papillo-renal syndrome: It's in your practice. 60th Meeting of the Wilmer Residents Association, April 28, 2001, Baltimore, MD.

Spontaneous regression of optic gliomas: 13 cases documented by serial neuroimaging. American Society of Neuroradiology, April 23, 2001, Boston, MA.

[Poster] Papillo-renal syndrome: It's in your practice," 5th Meeting of the European Neuro-ophthalmological Society, July 23, 2001, Tübingen, Germany.

Multiple cilioretinal vessels are a sign of renal disease. 14th Annual Current Concepts Meeting in Ophthalmology, December 8, 2001, Baltimore, MD.

Multiple cilioretinal vessels are a sign of renal disease. Current Concepts in Ophthalmology, December 8, 2001, Baltimore, MD.

Behr's syndrome. 14th Annual Current Concepts Meeting in Ophthalmology, December 8, 2001, Baltimore, MD.

Pupillary, neuroimaging and laboratory findings in a patient with Behr's syndrome. 61th Clinical Meeting of Wilmer Residents Association, May 18, 2002, Baltimore, MD.

Delayed onset of bone marrow transplantation retinopathy in the absence of radiation therapy. Current Concepts in Ophthalmology, December 7, 2002, Baltimore, MD.

The dose-response to medial rectus recession is age-dependent. 62nd Clinical Meeting of Wilmer Residents Association, April 26, 2003, Baltimore, MD.

Non-absorbable sutures are superior to absorbable sutures for inferior rectus muscle recessions. 16th Annual Current Concepts in Ophthalmology Meeting, December 4, 2003, Baltimore, MD.

Ocular findings in Down syndrome. 16th Annual Current Concepts in Ophthalmology Meeting, December 6th, 2003, Baltimore, MD.

Medial rectus recessions should be age-adjusted. Annual Meeting of the American Association for Pediatric Ophthalmology and Strabismus, March 31, 2004, Washington, D.C.

Congenital Optic nerve and retinal vascular anomalies in systemic disorders. 63rd Annual Meeting of the Wilmer Residents Association, May 14, 2004, Baltimore, MD.

Methods of measuring accommodation. 63rd Clinical Meeting of the Wilmer Residents Association, May 15, 2004, Baltimore, MD.

Non-absorbable sutures should be used for inferior rectus recessions. 29th Annual Meeting of the European Strabismological Society, June 2004, Izmir, Turkey.

A practical and theoretically optimal surgical approach to Duane syndrome. 17th Annual Current Concepts, December 2, 2004, Baltimore, MD.

Sturge-Weber syndrome and the phacomatoses: Odd man found out. North American Neuro-Ophthalmology Society Meeting, February 17, 2005, Copper Mountain, CO.

Elucidating Sturge-Weber Syndrome pathophysiology-Odd Man Found Out. 64th Clinical Meeting of the Wilmer Residents Association, April 22, 2005, Baltimore, MD.

A practical and theoretically optimal surgical approach to Duane syndrome. Annual Meeting of the American Association of Pediatric Ophthalmology and Strabismus, March 2005, Orlando, FL.

Elucidating Sturge-Weber syndrome pathophysiology: odd man found out. 7th Meeting of the European Neuro-ophthalmological Society, June 29, 2005, Moscow, Russia.

A practical and theoretically optimal surgical approach to Duane syndrome. 7th Meeting of the European Neuro-ophthalmological Society, June 28, 2005, Moscow, Russia.

Sturge-Weber syndrome: Mysteries revealed. 18th Current Concepts in Ophthalmology Meeting, December 1, 2005, Baltimore, MD.

A practical and theoretically optimal surgical approach to Duane syndrome, International Strabismological Society Meeting, February 19, 2006, Sao Paulo, Brazil.

Sturge-Weber, Klippel-Trenaunay and Cobb syndrome. 19th Current Concepts in Ophthalmology Meeting, December 7, 2006, Baltimore, MD.

Study of a large, isolated, unilateral, exophytic optic glioma: lessons to be learned. 19th Current Concepts in Ophthalmology Meeting, December 9, 2006, Baltimore, MD.

Optic disc size and correlation to central corneal thickness: A potential link for susceptibility to glaucoma, Annual Meeting of the North American Neuro-ophthalmology Society, February 12, 2007, Snowbird, Utah.

What is diplopia? 20th Current Concepts in Ophthalmology Meeting, December 7, 2007, Baltimore, MD

[Poster] Juvenile pilocytic astrocytomas do not undergo spontaneous malignant transformation: grounds for designation as hamartomas and implications of treatment. 17th Biennial International Neuro-Ophthalmology Society Meeting, June 7-9, 2008, Silverado Resort, Napa, California.

Why juvenile pilocytic astrocytomas are simply hamartomas: new findings and insights. 21st Current Concepts in Ophthalmology Meeting, December 5, 2008, Baltimore, MD.

Mentoring:

Undergraduate:

Spring Semester 2002, Biomedical Engineering study group, Tara Johnson, group leader, “Non-invasive means of intracranial pressure assessment” project, Johns Hopkins Whiting School of Engineering.

Pre-doctoral medical research electives:

Sandeep N. Shah, visiting student, University of Oklahoma School of Medicine, Summer 2001. Assisted in preparation of manuscript draft on ocular findings in Behr syndrome.

Cèsar Briceño, Johns Hopkins medical student, research elective June 2006. Co-authored manuscript: “Non-absorbable sutures should be used for inferior rectus recessions,” submitted to JAAPOS.

Emily K. Deschler, Johns Hopkins medical student, research elective March 2007. Correspondence of ocular anomalies and renal findings in Down syndrome. Helped prepared draft of manuscript “Ocular and renal anomalies in Down syndrome.”

Cyrus Wong, Johns Hopkins medical student, research elective January 2007-June 2008. Co-authoring manuscripts on complete mechanical model of glaucoma.

Post-doctoral Mentoring:

Mostafa Soltan-Sanjari, M.D., Associate Professor of Ophthalmology, Director of Neuro-ophthalmology Unit, Director of Pediatric Ophthalmology and Strabismus Unit, Rassool Akram Medical Center, Iran University of Medical Sciences, Tehran, Iran.

Mohammad Pakravan, M.D., Associate Professor of Ophthalmology, Director of Neuro-ophthalmology Unit, Labafinnejad Medical Center, Tehran, Iran.

Abdolreza Tabassi, M.D. Chief, Neuro-ophthalmology Clinic, Farabi Eye Hospital, Tehran University of Medical Sciences, Tehran, Iran.

Mihir Kothari, M.D., Director of Pediatric Ophthalmology and Strabismus Unit, Bombay City Eye Institute and Research Center, Bombay, India.

Soudabeh Givrad, M.D., Visiting fellow, Research elective, Johns Hopkins Hospital. Classification of optic gliomas and implications on treatment.

Clinical Fellows:

Iran University of Medical Sciences:

Mostafa Soltan-Sanjari, M.D., 1998-1999, Associate Professor of Ophthalmology, Director of Neuro-ophthalmology Unit, Director of Pediatric Ophthalmology and Strabismus Unit, Rassool Akram Medical Center, Iran University of Medical Sciences, Tehran, Iran.

Mohammad Pakravan, M.D., 1998-1999, Associate Professor of Ophthalmology, Director of Neuro-ophthalmology Unit, Labafinnejad Medical Center, Tehran, Iran.

Johns Hopkins University:

David Klink, D.O. – 2002 - 2003, Captain, U.S. Navy, Naval Base Hospital, Norfolk, Virginia.

Kristina Tarzcy-Hornoch – 2002 - 2003, Assistant Professor of Ophthalmology, Children's Hospital Los Angeles, University of Southern California, Los Angeles.

Nitza Goldenberg-Cohen, M.D. – 2002 - 2003, Assistant Professor of Ophthalmology, Rabin Medical Center, Petah Tikva, Israel.

Weldon Wright, M.D. – 2003 - 2004, Private practice, Rockwall, Texas.

Megan Pearson-Cody, D.O. – 2003 - 2004, Eye-Q Vision Care associated with University of California, San Francisco at Fresno.

Adam Bowen, M.D. – 2004 - 2005, Private Practice, Redding, CA.

Maria Pesheva, M.D. – 2004 - 2005, Private Practice.

Munish Sharma, M.D. – 2005 – 2006, Postdoctoral fellow, Washington Children's Hospital Center, Washington, D.C.

Ahmad Awadein, M.D., Ph.D. 2005-2006, Assistant Professor, University of Cairo Medical Center, Cairo, Egypt.

Zina E. Almer, M.D. 2006-2007, Postdoctoral fellow in Neuro-ophthalmology, Johns Hopkins University, Baltimore, MD.

Rohit Adyanthaya, M.D. 2006-2007, Resident in Ophthalmology, Stony Brook, New York.

Rania Dahabreh, M.D. 2007-2008, Assistant Professor of Ophthalmology, University of Jordan, Amman, Jordan.

Soledad Maria Romero, M.D. 2007-2008, Preliminary year (ophthalmology) internship, Union Memorial Hospital, Baltimore, MD.

Charles Zhang, M.D. 2008 – present

Pinar Topcu-Yilmaz, M.D. 2008 – present

Research Fellows, Johns Hopkins University:

Mostafa Soltan-Sanjari, M.D., 2001-2002.

Mohammad Pakravan, M.D., 2003-2004.

CLINICAL ACTIVITIES

Certification

Licensure: Maryland license # D 52004, California medical license # G83711, Pennsylvania medical license # MD 052636L

Boards: Diplomate American Board of Ophthalmology, 1999.

Clinical responsibilities:

1/2000 – 12/2003: Pediatric Ophthalmology, Neuro-Ophthalmology, Ophthalmic Genetics and General Ophthalmology, Clinician, 80% time commitment.

1/2004 – present: Pediatric Ophthalmology and Strabismus, Neuro-Ophthalmology Clinician, 80% time commitment.

Clinical Program Building/Leadership

11/99- 12/99: Neuro-ophthalmology Unit, Rassool Akram Medical Center, Tehran, Iran. Founder and Director of Neuro-ophthalmology Unit, with expansion of pre-existent Pediatric Ophthalmology and Strabismus Unit. Direction of both units was succeeded by concomitantly trained fellow, Mostafa Soltan-Sanjari, M.D., who later also came for an additional year of training with me at Johns Hopkins Hospital as a research fellow and observer in both the Pediatric Ophthalmology and Neuro-ophthalmology Units [2001-2002].

2001 – present Johns Hopkins Sturge-Weber Center, Founding member.

ORGANIZATIONAL ACTIVITIES

Institutional administrative appointments:

2001- present: Monthly administrative and research meetings as part of the Hopkins Sturge-Weber Center Foundation.

2005: Obtaining Johns Hopkins University School of Medicine Graduate Medical Education Counsel approval of the Pediatric Ophthalmology and Strabismus division's clinical fellowship.

2006: Revision of division website fellowship description.

2006: Committee member for determining follow-up for patients of the Johns Hopkins Center for Hereditary Eye Diseases.

Editorial activities

Journal peer review activities (referee 1997 – present, approximately 3 manuscripts per year over total 10-year average)

Archives of Ophthalmology
American Journal of Ophthalmology
British Journal of Ophthalmology
Ophthalmology
Ophthalmic Genetics
Strabismus
Journal of AAPOS
Contemporary Ophthalmology
Digital Journal of Ophthalmology
Central European Science Journals
Expert Review of Ophthalmology
Canadian Journal of Ophthalmology
Retinal Cases & Brief Reports

Professional Societies

Association for Research & Vision in Ophthalmology
North American Neuro-Ophthalmology Society
European Neuro-Ophthalmology Society
Société Française d'Ophtalmologie
Johns Hopkins Medical and Surgical Association
Wilmer Residents Association

Conference Organizer, Session Chair:

December 2001: Session Chair

“Neuro-ophthalmology”

14th Annual Current Concepts Meeting in Ophthalmology, December 8th, 2001, Baltimore, MD.

June 2003: Session Chair

“Vascular Anomalies of the Optic Nerve”

14th Congress of the European Society of Ophthalmology, June 10, 2003, Madrid, Spain.

February 2005: Session Co-Chair

“Pediatric Neuro-Ophthalmology”

North American Neuro-Ophthalmology Society Annual Meeting, February 17th, 2005, Copper Mountain, Colorado.

October 2009: Session Chair

“Pediatric Neuro-ophthalmology”

American Academy of Ophthalmology Pediatric Subspecialty Day, October 24th, 2009, San Francisco, California.

INVITED TALKS

Demonstration of exclusive cilioretinal vascular supply of the retina in Man: vacant discs. American Ophthalmological Society Meeting, May, 1998, Hot Springs, VA.

Absence of the abducens nerve in Duane’s syndrome verified by magnetic resonance imaging. American Association of Certified Orthoptists Eastern Regional Meeting, June 12, 1998, Baltimore, MD.

Redefining papillo-renal (“renal-coloboma”) syndrome: an under-recognized cause of renal failure? Research Seminar, Division of Nephrology, Department of Medicine, The Johns Hopkins Hospital, September 17, 1998, Baltimore, MD.

Redefining papillo-renal (“renal-coloboma”) syndrome: an under-recognized cause of ocular and renal morbidity? 8th Iranian Congress of Ophthalmology, November 26, 1998, Tehran, Iran.

Absence of the abducens nerve in Duane’s syndrome verified by magnetic resonance imaging. 8th Iranian Congress of Ophthalmology, November 26, 1998, Tehran, Iran.

Spontaneous regression of nine optic gliomas demonstrated by serial MR imaging. 8th Iranian Congress of Ophthalmology, November 23, 1998, Tehran, Iran.

Optic gliomas: Natural course, treatment and controversies. Clinical Seminar, Iran Neurosurgical Society, Shariati University Hospital, February, 1999, Tehran, Iran.

Special Lecture. Papillorenal syndrome. Department of Nephrology, Iran University of Medical Sciences, October 1999, Tehran, Iran.

Redefining papillo-renal (“renal-coloboma”) syndrome: an under-recognized cause of ocular and renal morbidity? Yale University Medical Center, Dept. of Ophthalmology, November 22, 1999, New Haven, CT.

Papillorenal syndrome: It’s in your practice. Division of Nephrology, Johns Hopkins Hospital, May 11, 2001, Baltimore, MD.

Spontaneous venous pulsations should be monitored during glaucoma therapy. St. Petersburg Ophthalmological Society, December 14, 2001, St. Petersburg, Russia.

Disc hemorrhages are a sign of disc trauma. St. Petersburg Ophthalmological Society, December 14, 2001, St. Petersburg, Russia.

Papillorenal syndrome. St. Petersburg Ophthalmological Society, December 14, 2001, St. Petersburg, Russia.

Optic nerve sheath meningiomas. 2nd International and 11th Iranian Congress of Ophthalmology, December 18, 2001, Tehran, Iran.

Optic disc and nerve fiber layer analysis. 2nd International and 11th Iranian Congress of Ophthalmology, December 19, 2001, Tehran, Iran.

Spontaneous venous pulsations should be monitored during glaucoma therapy. 2nd International and 11th Iranian Congress of Ophthalmology, December 19, 2001, Tehran, Iran.

Disc hemorrhages are a sign of disc trauma. 2nd International and 11th Iranian Congress of Ophthalmology, December 19, 2001, Tehran, Iran.

Eye findings in Down syndrome. 2002 Down Syndrome Conference, March 23, 2002, Linthicum Heights, MD.

Eye findings in Down syndrome. Ophthalmology for the Pediatrician. Sponsored by Zanvyl Krieger Division of Pediatric Ophthalmology and Strabismus, October 11, 2002, Baltimore, MD.

Cilioretinal vessels and vacant discs: what do they signify? European Society of Ophthalmology, European Society of Ophthalmology, June 10, 2003, Madrid, Spain.

Ocular findings in Down syndrome. Maryland Society of Eye Physicians and Surgeons, and MedChi, the Maryland State Medical Society, October 17, 2003, Columbia, MD.

Ocular manifestations of Down syndrome. Pediatric Ophthalmology: An update for Pediatricians, Family Practitioners, and Other Health Professionals, October 31, 2003, Greater Baltimore Medical Center, Baltimore, MD.

Methods of measuring accommodation and near visual acuity. International Society of Refractive Surgery of the American Academy of Ophthalmology Subspecialty Day Program in Refractive Surgery, November 14, 2003, Anaheim, CA.

Cilioretinal vessels: what do they signify? Guest Speaker, Combined Washington Ophthalmology Programs Grand Rounds, Bethesda Naval Hospital, September 10, 2004, Bethesda, MD.

Methods of measuring accommodation and near visual acuity, 14th Iranian Congress of Ophthalmology, Dec 13, 2004, Tehran, Iran.

New pathophysiologic mechanism for Sturge-Weber Syndrome and implications for its treatment. 2nd International Iranian Congress of Ophthalmology, December 16, 2004, Tehran, Iran.

Cilioretinal vessels, what do they signify?/The phacomatoses: Odd men out/Methods of measuring phakic and pseudophakic accommodation/ A practical and theoretical optimal surgical approach to Duane syndrome/ Spontaneous regression of optic gliomas/Ocular findings in Down's syndrome, Kasimpasa Naval Hospital, January 3rd, 2005, Istanbul, Turkey.

New pathophysiologic mechanism for Sturge-Weber Syndrome/Methods of measuring accommodation and near visual acuity/Practical and theoretically optimal surgical approach to Duane syndrome. Hacettepe University, January 3rd, 2005, Ankara, Turkey.

Sturge-Weber syndrome and the phacomatoses-odd man found out. North American Neuro-Ophthalmology Society Meeting, Pediatric Neuro-Ophthalmology symposium, February 17, 2005, Copper Mountain, Colorado.

Elucidating Sturge-Weber syndrome pathophysiology: Odd man found out. Guest speaker Ophthalmology Grand Rounds, Columbia University Medical Center, March 31, 2005, New York, New York.

Topics in Pediatric Neuro-ophthalmology, Pediatric Neurology Grand Rounds, Johns Hopkins University School of Medicine, April 13, 2005, Baltimore, MD.

New views on Sturge-Weber syndrome, Paediatric Ophthalmology, Great Ormond Street Hospital, Changing Lives: Children's Eye Group Meeting and David Taylor's Retirement Symposium, May 15, 2005, London, England.

New pathophysiologic mechanism for Sturge-Weber Syndrome/Methods of measuring accommodation/Practical and theoretically optimal surgical approach to Duane syndrome/Cilioretinal vessels: what do they signify? 25th Anniversary Symposium of Establishment of Neuro-ophthalmology Unit in Vargas Hospital, May 20-21, 2005, Caracas, Venezuela.

Transient monocular visual loss. American Academy of Ophthalmology Subspecialty Day Program in Neuro-ophthalmology, October 15, 2005, Chicago, Illinois.

Keynote lecturer. Sturge-Weber syndrome. Århus University Hospital, 6th Sandberg Course in Pediatric Ophthalmology, November 19, 2005, Sandberg Estates, Sonderburg, Denmark.

Sturge-Weber syndrome. Annual Congress of the Neurosurgical Society of Iran, November 24, 2005, Shiraz, Iran.

Visiting Professor. New pathophysiologic mechanism for Sturge-Weber Syndrome/Methods of measuring accommodation and near visual acuity/Cilioretinal vessels, what do they signify?/A practical and theoretical optimal surgical approach to Duane syndrome/ Spontaneous regression of optic gliomas/Ocular findings in Down's syndrome, Bombay City Eye Institute and Research Center, January 8th, 2006, Bombay, India.

The role of weight loss in intracranial hypertension, World Congress of Ophthalmology Meeting, February 21, 2006, San Paulo, Brazil.

Keynote lecturer. La pathophysiologie du syndrome de Duane: les implications des nouvelles images d'IRM et une nouvelle approche chirurgicale. Association Francaise de Strabologie, May 8, 2006, Paris, France.

Duane syndrome pathophysiology: the implications of new MR imaging and a new surgical approach to treatment. American Association of Certified Orthoptists Combined Regional Meeting, June 10, 2006, Baltimore, MD.

Sturge-Weber syndrome: Odd man found out. Wilmer Ophthalmological Institute Friday Afternoon Research Meeting, March 9, 2007, Baltimore, MD.

Sturge-Weber syndrome: Johns Hopkins Pediatric Department Research Meeting, April 12, 2007, Baltimore, MD.

Sturge-Weber syndrome: important ophthalmological implications. 35th Annual Pediatric Trends Conference, Johns Hopkins University School of Medicine, April 16, 2007, Baltimore, MD.

The eye in Down syndrome. 35th Annual Pediatric Trends Conference, Johns Hopkins University School of Medicine, April 16, 2007, Baltimore, MD.

Pathophysiologic mechanism for Sturge-Weber syndrome. Sturge-Weber Foundation International Conference, July 14, 2007, Anaheim, CA.

Visiting Professor, University of Toronto. Sturge-Weber syndrome: Odd man found out. October 23, 2008, Toronto, Canada.

Lloyd Morgan Lecturer, Hospital for Sick Children. Juvenile pilocytic astrocytomas do not undergo spontaneous malignant transformation: grounds for designation as hamartomas and implications of treatment. October 24, 2008, Toronto, Canada.

Keynote Lecture: Optic gliomas as hamartomas: new insights and findings. 6nd International Iranian Congress of Ophthalmology, November 25, 2008, Tehran, Iran.

Visiting professor: Classification and management of optic pathway gliomas. Department of Ophthalmology, California Pacific Medical Center, May 18, 2009, San Francisco, CA.

Gliomas as hamartomas: New insights and findings. American Academy of Ophthalmology Pediatric Subspecialty Day, October 24th, 2009, San Francisco, California.

Visiting Professor of Neuro-ophthalmology. Department of Ophthalmology, Aalborg University, November 23-27, 2009, Aalborg, Denmark.

Panels:

Vascular anomalies of the optic nerve. 14th Congress of the European Society of Ophthalmology, June 10, 2003, Madrid, Spain.

Refractive surgery comes of age. International Society of Refractive Surgery of the American Academy of Ophthalmology, Subspecialty Day Program in Refractive Surgery, November 14, 2003, Anaheim, CA.

Optic neuropathy. 2nd International Iranian Congress of Ophthalmology Meeting, December 16, 2004, Tehran, Iran.

Pediatric neuro-ophthalmology. 25th Anniversary Symposium of Establishment of Neuro-ophthalmology Unit in Vargas Hospital, May 20-21, 2005, Caracas, Venezuela.

Urgent neuro-ophthalmology: diagnoses you do not want to miss. American Academy of Ophthalmology Subspecialty Day Program in Neuro-ophthalmology, October 15, 2005, Chicago, Illinois.

Strabismus. American Association of Certified Orthoptists Combined regional Meeting, June 10, 2006, Baltimore, MD.

The ophthalmology issues faced by the younger patients/The ophthalmology issues faced by the older patients/Medical Q&A: An open forum, with a Neurologist, Ophthalmologist and Dermatologist. Sturge-Weber Foundation International Conference, July 13-14, 2007, Anaheim, CA.
Discussant, 19th Annual Wilmer Eye Institute Research Meeting, for presentation by Michael X. Repka, M.D., Left eye predominance in amblyopia, April 18, 2008, Baltimore, MD.

Optic neuropathies. 6th International Iranian Congress of Ophthalmology Meeting, November 25, 2008, Tehran, Iran.

Workshop: Evaluation of Diplopia. 6th International Iranian Congress of Ophthalmology Meeting, November 26, 2008, Tehran, Iran.

Pediatric Neuro-ophthalmology: American Academy of Ophthalmology Pediatric Subspecialty Day, October 24th, 2009, San Francisco, California.

2005 – present: Sturge-Weber Syndrome Community "Ask The Expert"[®] web page form:
swscommunity.org/expert/ask_parsa.php

COMPASS topic review for NANOS/AAO (North American Neuro-Ophthalmology Society/American Academy of Ophthalmology) Curriculum Committee; permanent member (beginning February 2008).