

General Information

DATE PREPARED: April 28, 2005

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Office address:

Children's Hospital Boston
300 Longwood Ave, Boston, MA 02115

Education

Year	Degree	Institution
1979	BS, Electrical Engineering, <i>cum laude</i>	Rice University
1984	PhD, Cell Biology	Baylor College of Medicine
1987	MD	Baylor College of Medicine

Postdoctoral Training:

Year	Title	Specialty/Discipline	Place of Training
1987-1988	Internship	Transitional	Framingham Union Hospital
1988-1991	Resident	Ophthalmology	Massachusetts Eye and Ear Infirmary, Harvard Medical School
1991-1992	Clinical Fellow	Pediatric Ophthalmology and Strabismus	The Wilmer Ophthalmological Institute, Johns Hopkins University

Fellowship Directors: David L Guyton, MD and Michael X Repka, MD.

Licensure and Certification:

Year	Type of license
1991	Maryland medical license #D41340
1992	American Board of Ophthalmology
2002	Massachusetts medical license #213119

Academic Appointments:

Year	Academic Title	Institution
1992	Assistant Professor of Ophthalmology	Johns Hopkins University School of Medicine
1994	Assistant Professor of Biomedical Engineering	Johns Hopkins University School of Medicine
2000	Associate Professor of Ophthalmology	Johns Hopkins University School of Medicine
2002	Associate Professor of Ophthalmology	Harvard Medical School

Hospital or Affiliated Institution Appointments:

Year	Title	Institution
1991-2002	Full time	Johns Hopkins Medical Institutions
2002-present	Ophthalmologist-in-Chief	Children's Hospital Boston

Hospital and Health Care Organization Service Responsibilities:

Year	Title	Institution
1991-2002	Full time	Pediatric Ophthalmology and Adult Strabismus Service, The Wilmer Ophthalmological Institute and satellite office in Columbia, MD, 50% time commitment.
2002-present	Active staff	Children's Hospital Boston

Major Administrative Responsibilities:

Year	Title	Institution
2002-present	Ophthalmologist-in-Chief	Children's Hospital Boston
Oct 1, 2003	President	Children's Hospital Ophthalmology Foundation, Inc.

Major Committee Assignments (medical school):

Year	Name of Committee	Role	Institution
1982-1984	Admissions Committee, Department of Cell Biology	Member	Baylor College of Medicine
1989-1990	Residency steering committee, Dept. of Ophthalmology	Member	Massachusetts Eye and Ear Infirmary
1993-present	Fellowship committee	Chair	Wilmer Ophthalmological Institute
1994-1997	Electronic patient record committee	Consultant	Wilmer Ophthalmological Institute
1998	Telemedicine committee	Member	Johns Hopkins Hospital
1999-2002	Technology licensing committee	Member	Johns Hopkins University
2002-present	Council of Chiefs	Member	Children's Hospital Boston
2002-present	Surgical Executive Committee	Member	Children's Hospital Boston
2002-present	Medical Staff Executive Committee	Member	Children's Hospital Boston
2002-present	Physician Leadership Council	Member	Children's Hospital Boston
2002-present	Physician's Organization Satellite Group	Member	Children's Hospital Boston
2004-present	Physicians Advisory Committee, Children's Hospital Applications Maximizing Patient Safety (CHAMPS)	Member	Children's Hospital Boston

Major Committee Assignments (national):

Year	Name of Committee	Role	Institution
2003-2004	National Eye Institute Special Emphasis Panel: Novel therapeutic and pathogenic studies of oculomotor disorders. Drew W. Noden, PhD, Chair	Member	National Institutes of Health
2003-2004	Technology Assessment Committee	Member	American Academy of Ophthalmology
2004-present	Program Committee, Eye Movements, Strabismus, and Amblyopia	Member	Association for Research in Vision and Ophthalmology

Professional Societies

Year	Society	Role
1979-present	Institute of Electrical and Electronics Engineers (IEEE)	Member
1982-present	Association for Research in Vision and Ophthalmology (ARVO)	Member
1992-present	American Academy of Ophthalmology (AAO)	Fellow
1992-present	American Association of Pediatric Ophthalmology and Strabismus (AAPOS).	Member

Editorial Boards:

Year	Role	Name of Journal
1991-present	Ad-hoc reviewer	<i>Archives of Ophthalmology</i>
1992-present	Ad-hoc reviewer	<i>Ophthalmology</i>
1993-present	Ad-hoc reviewer	<i>Journal of the American Association for Pediatric Ophthalmology and Strabismus</i>
1993-present	Ad-hoc reviewer	<i>American Journal of Ophthalmology</i>
1999-present	Editorial Board Member	<i>Journal of the American Association for Pediatric Ophthalmology and Strabismus</i>
2000	Ad-hoc reviewer	<i>Vision Research</i>
2001-present	Guest Editorial Board Member	<i>Investigative Ophthalmology</i>
2002-present	Editorial Board Member	<i>Binocular Vision and Strabismus Quarterly</i>
2003-present	Editorial Board Member	<i>Digital Journal of Ophthalmology</i>

Awards and Honors:

Year	Name of Award
1978, 1979	George R. Brown engineering scholarship
1979	Tau Beta Pi (Engineering honor society)
1980-1982	Andress/McGlothlin fellowship, Dept. of Cell Biology
1982-1984	Baylor MD/PhD (Medical Scientist Training Program) fellowship
1986	Baylor MD/PhD, Most Outstanding Clinical Performance Award
1986	<i>Alpha Omega Alpha</i>
1991-92	National Children's Eye Care Foundation Fellowship Loan
1991-92	Heed Ophthalmic Foundation Fellowship Award
1994-1999	Faculty teaching award, The Osler Institute
1994-6	Richard Starr Ross Clinician Scientist Award, Johns Hopkins University
1995	Niuta and Roy Titus Faculty Development Award
1996	L. Harrell Pierce Wilmer Resident Teaching Award
1999	Research to Prevent Blindness Lew R. Wasserman Merit Award
2002	Honor award, American Association for Pediatric Ophthalmology and Strabismus
2004	Achievement Award, American Academy of Ophthalmology

Part II. Research, teaching, and clinical contributions:

a. Names of advisees or trainees

Duration of training	Name	Activity	Current Position
1993-1995, 2000-2002	Saurabh Patel	MS degree	Ophthalmology Fellow, Wilmer Eye Institute
1994-1996	Julie Masters	MS degree	ObGyn Resident, Chicago
1994-1995	Nathalie Azar	Clinical fellow	Director of Pediatric Ophthalmology, Massachusetts Eye and Ear Infirmary
1994-1995	Forrest J. Ellis	Clinical Fellow	Pediatric Ophthalmology, University Hospital of Cleveland
1995-1996	Cameron Parsa	Clinical Fellow	Faculty, Wilmer Eye Institute, Johns Hopkins University
1995-1998	Soma Sau	MS degree	Biomedical Engineering PhD student, Duke University
1996-1997	Garvin Davis	Research elective	Ophthalmology fellow (vitreoretinal surgery,) Baylor College of Medicine
1996-1998	Ankoor Shah	MS degree	Fully funded MD/PhD student, Einstein University; Ophthalmology Resident, Harvard, 2006
1998-1999	Nainesh Gandhi	MS degree	Medical Student, University of Texas, Dallas TX
1999-2000	Angela Buffenn	Clinical fellow	Faculty, University of Southern California Doheny Eye Institute
2000-2001	Michael Chiang, MD	Clinical fellow	Faculty, Department of Ophthalmology and Research Fellow, Bioinformatics, Columbia University
2001	John van der Zweep, MD	Research elective	Ophthalmology resident, Canada
2002	Kevin Nusz	Research elective	Ophthalmology resident, Mayo Clinic
2001-2002	Marlet Bazemore, MD	Clinical Fellow	Faculty, Cincinnati Children's Hospital
2001-2002	Richard Birdsong, MD	Clinical Fellow	
2002-2003	Gonzalo Vicente, MD	Clinical Fellow	Private practice, Washington DC
2003-2004	Carolyn Wu, MD	Clinical Fellow	Faculty, Children's Hospital Boston (July 2004)
2004-2005	David Sami, MD	Clinical Fellow	

2. Regional, national, or international contributions

a. Invited presentations

Years given	Type of Presentation
1992-1996	Optics Review, University of Puerto Rico
1993-2003	Optics Review, The Osler Institute
1994-2000	Optics Review Tufts University
1995, 1996	Visiting Professor, Department of Ophthalmology, King Saud University, Riyadh, Saudi Arabia
1996	Pediatric Ophthalmology and Strabismus, The Lancaster Course
1996-1998	Ophthalmology for the Pediatrician, The Osler Institute
1996-2002	Optics Review, Ophthalmology Service, Brooke Army Medical Center
2000	Visiting Professor, Department of Ophthalmology, University of Pennsylvania Scheie Eye Institute
2001	Visiting Professor, Department of Ophthalmology, University of Toronto
2001	Invited lecture. "Spanning the Millennium: Optics and Optoelectronics," discussion of the impact of optics and optoelectronics on the clinical practice of pediatric ophthalmology, presented at "Spanning the Millennium: Pediatric Ophthalmology," San Diego, California.
2001	Invited lecture: "Vision Screening: Present and Future." American Association of Certified Orthoptists Eastern Regional Meeting
2001	Invited lecture: "Dynamic Retinoscopy." American Association of Certified Orthoptists Annual Meeting.
2001	Invited lecture: "Vision Screening Today and Tomorrow." Mexican Association of Pediatric Ophthalmology.
2002	Invited lecture: "Retinal birefringence and pediatric vision screening." Association for Research in Vision and Ophthalmology - Special Interest Group ("Pediatric Vision Screening and Photoscreening.")
2002	Invited lectures: "Timing of strabismus surgery in patients with amblyopia," and "Amblyopia therapy." Cleveland Clinic symposium on amblyopia.
2002	Invited lecture: "Ocular complications of Anesthesia." Ophthalmic Anesthesia Society annual meeting.
2002	Invited lecture: "Pre-operative optical considerations." American Orthoptic Council Symposium: "Preventing and Managing the Complications of Strabismus Surgery"

- 2002 Invited paper discussant: “Magnetic resonance imaging of the inferior oblique muscle in superior oblique palsy with over-elevation in adduction,” by R. Kono and J. Demer, American Academy of Ophthalmology annual meeting.
- 2003 Visiting professor: University of Missouri – Kansas City, Department of Ophthalmology, Resident, Research & Alumni Weekend, June 6-7, 2003, Kansas City, Missouri
- 2003-2005 Invited optics lecture, “San Antonio Ophthalmology Review Course,” San Antonio, TX.
- 2003 Invited paper discussant: “Editors choice: Best papers of the year.” American Academy of Ophthalmology annual meeting, Nov. 16, 2003.
- 2003 Invited lectures: “Torsion” and “Dynamic retinoscopy.” American Association of Certified Orthoptists annual meeting, Anaheim, CA, Nov. 15, 2003.
- 2004 Keynote Speaker, Australian College of Behavioural Optometry, ACBO, Melbourne, Australia
- 2004 Visiting Professor, Royal Victorian Eye & Ear Hospital, University of Melbourne, Melbourne, Australia
- 2004 Visiting Professor, University of Illinois Eye and Ear Infirmary
- 2005 Visiting Professor, Dalhousie University, Halifax, Nova Scotia, Canada
- 2005 Invited lectures, “Optics and Refraction,” First Annual Penn Ophthalmology Review Course, Philadelphia, PA
- 2005 Invited lectures, “Optics and Refraction,” Bascom Palmer Eye Institute, Miami, FL

3. Teaching awards received

1994-2001: Faculty teaching award, The Osler Institute

1996: L. Harrell Pierce Wilmer Resident Teaching Award.

2004: *Nominee*, Harvard Medical School Student Teaching Award.

Bibliography

Original Articles:

1. Kretzer FL, Mehta RS, Johnson AT, **Hunter DG**, Brown ES, Hittner HM. Vitamin E protects against retinopathy of prematurity through action on spindle cells. *Nature* 1984;309(5971):793-5.
2. **Hunter DG**, Kretzer, FL. Abnormal axonemes in the sperm of fertile men. *Arch Androl* 1986;16:1-12.
3. **Hunter DG**, Fishman GA, Mehta RS, Kretzer FL. Abnormal sperm and photoreceptor axonemes in Usher's Syndrome. *Arch Ophthalmol* 1986;104:385-389.
4. **Hunter DG**, Fishman GA, Kretzer FL. Abnormal axonemes in X-linked retinitis pigmentosa. *Arch Ophthalmol* 1988;106:362-8.
5. **Hunter DG**, Repka MX. Diode laser photocoagulation in threshold retinopathy of prematurity: a randomized study. *Ophthalmology* 1993;100:238-44.
6. Marcus DM, Boerner CM, Azar D, **Hunter DG**. Pupillary block from a silicone intraocular lens. *Arch Ophthalmol* 1992;110:609.
7. **Hunter DG**, Lam GC, Guyton DL. Inferior oblique injury from local anesthesia for cataract surgery. *Ophthalmology* 1995;102:501-9.
8. **Hunter DG**, Nguyen T, Patel SN, Repka MX. Automated analysis of electromyographic (EMG) recordings during botulinum injections. *J Pediatric Ophthalmol Strabismus* 1996;33:241-6.
9. **Hunter DG**, Guyton DL. Vertical Location of the Corneal Light Reflex in Strabismus Photography. *Arch Ophthalmol* 1998;116:767-71.
10. Cheeseman EW, Bressler NM, **Hunter DG**. Monocular axial myopia associated with familial exudative vitreoretinopathy. *Retina* 1999;19:257-9.
11. **Hunter DG**, Patel SN, Guyton DL. Automated detection of eye fixation by use of retinal birefringence scanning. *Applied Optics* 1999;38:1273-9.
12. **Hunter DG**, Ellis FJ. Prevalence of Systemic and Ocular Disease in Infantile Exotropia: Comparison with Infantile Esotropia. *Ophthalmology* 1999;106:1951-6.
13. **Hunter DG**, Sandruck JC, Sau S, Patel SN, Guyton DL. Mathematical modeling of birefringence in retinal birefringence scanning. *Journal Optical Society of America A* 1999;16:2103-11.

14. Goodman CR, **Hunter DG**, Repka MX. A randomized comparison study of drop versus spray topical cycloplegic application. *Binocular Vision and Strabismus Quarterly* 14:107-110, 1999.
15. Congdon NG, Spaeth GL, Augsburger J, Klanchnik J, Jr, Patel K, **Hunter DG**. A proposed simple method for measurement of the anterior chamber angle: Biometric gonioscopy. *Ophthalmology* 106:2161-7, 1999.
16. Parsa CF, Silva ED, Sundin OH, Goldberg MF, De Jong MR, **Hunter DG**. Redefining papillo-renal ("renal-coloboma") syndrome: an under-recognized cause of ocular and renal morbidity. *Ophthalmology* 108:738-49, 2001.
17. Suh, DW, Guyton, DL, **Hunter DG**. Superior oblique suture spacer – a new treatment for superior oblique overaction. *Journal of AAPOS* 5:164-71, 2001.
18. Phillips PH, Guyton DL, **Hunter DG**. Superior oblique overaction from local anesthesia for cataract surgery. *Journal of AAPOS* 5:329-32, 2001.
19. **Hunter DG**. Dynamic Retinoscopy: The missing data. *Survey of Ophthalmology* 46:269-74, 2001.
20. Buffenn, AN de Juan, E, Fujii G, **Hunter DG**. Diplopia Following Limited Macular Translocation Surgery. *Journal of AAPOS* 5:388-94, 2001.
21. Kelly JB, Ellis, FJ, **Hunter DG**. Long-term outcome of uncomplicated infantile exotropia. *Journal of AAPOS* 5:352-6, 2001.
22. Pediatric Eye Disease Investigator Group. A randomized trial of atropine vs patching for treatment of moderate amblyopia in children. *Arch Ophthalmol* 2002;120:268-78.
23. Pediatric Eye Disease Investigator Group. The clinical profile of moderate amblyopia in children younger than three years. *Arch Ophthalmol* 2002;120:281-7.
24. **Hunter DG**, Shah AS, Sau S, Nassif D, Guyton DL. Automated detection of ocular alignment using binocular retinal birefringence scanning. *Applied Optics*, 2003;42:3047-53.
25. Parikh V, Shugart YY, Doheny KF, et. al. (16th of 30 authors). A strabismus susceptibility locus on chromosome 7p. *PNAS* 2003; 21:12283-88.
26. **Hunter DG**, Nusz KJ, Gandhi NK, Quraishi IH, Gramatikov BI, Guyton DL. Automated Detection of Ocular Focus. *Journal of Biomedical Optics*. 2004;9:1103-9.
27. **Hunter DG**, Nassif DS, Piskun NV, Winsor R, Gramatikov BI, Guyton DL. The Pediatric Vision Screener 1: Instrument design and operation. *Journal of Biomedical Optics* 2004;6:1363-8.

28. Nassif DS, Piskun NV, Gramatikov BI, Guyton DL, **Hunter DG**. The Pediatric Vision Screener 2: A pilot study in adults. *Journal of Biomedical Optics* 2004;6:1369-74.
29. Nusz, KJ, Congdon NG, Ho T, Gramatikov BI, Friedman DS, Guyton DL, **Hunter DG**. Rapid, objective detection of cataract-induced blur using a bull's eye photodetector. *Journal of Cataract and Refractive Surgery*. In Press 2005.
30. Nassif DS, Piskun NV, **Hunter DG**. The Pediatric Vision Screener 3: Detection of strabismus in children. *Archives of Ophthalmology*. In press, 2005.
31. Yamada K, **Hunter DG**, Andrews C, Engle EC. A novel *KIF21A* mutation in a patient with CFEOM1 and Marcus Gunn jaw winking. *Arch Ophthalmol*. In press, 2005.
32. Wu C, **Hunter DG**. Amblyopia: Diagnostic and therapeutic options. [AJO Perspectives]. *Am J Ophthalmol*. In press, 2005.

Reviews, Chapters, and Editorials:

1. Kretzer FL, **Hunter DG**, Mehta RS, Brown ES, Blifeld C, Johnson AT, Hittner HM. Spindle cells as vasoformative elements in the developing human retina: Vitamin E modulation. In Coates PW, Markwald RR, Kenney AD, eds. *Developing and Regenerating Vertebrate Nervous Systems*. New York: Alan R Liss, Inc, 1979: 199-210.
2. **Hunter DG**, Mukai S. Retinopathy of Prematurity. *International Ophthalmology Clinics* 32:163-84, 1992.
3. Ellis, FJ and **Hunter DG**. Centering Refractive Corneal Surgical Procedures. In Azar D, ed. *Refractive Corneal Surgery*. Stamford: Appleton & Lange, 1997.
4. Editor, Ophthalmology Section. *MedStudy - A Condensed Review of Internal Medicine*. Hannaman, R, ed. (Woodland Park):MedStudy Corporation, 1998.
5. Phillips P and **Hunter DG**. Evaluation of Torsion and Principles of Management. In Rosenbaum, A. *Clinical Strabismus Management*. Philadelphia: W.B. Saunders, 1999.
6. **Hunter DG**, Mukai S, Hirose TS. Advanced Retinopathy of Prematurity. In Jakobiec FA, Albert DM, eds. *Principles and Practice of Ophthalmology*. Philadelphia: W.B. Saunders Co, 2nd ed., 1936-1945, 2000.
7. Petersen R, Mukai S, **Hunter DG**. Retinopathy of Prematurity. In Jakobiec FA, Albert DM, eds. *Principles and Practice of Ophthalmology*. Philadelphia: W.B. Saunders Co, 2nd ed., 2000.
8. **Hunter DG**, Foster CS. Ocular manifestations of Sarcoidosis. In Jakobiec FA, Albert DM, eds. *Principles and Practice of Ophthalmology*. Philadelphia: W.B. Saunders Co, 2nd ed., pp 1217-1225, 2000.

9. **Hunter DG**, Foster CS. Sarcoidosis: Systemic manifestations. In Jakobiec FA, Albert DM, eds. *Principles and Practice of Ophthalmology*. Philadelphia: W.B. Saunders Co, 2nd ed., 2000.
10. **Hunter DG**, Regan C: Retinal manifestations of sarcoidosis. In Jakobiec FA, Albert DM, eds. *Principles and Practice of Ophthalmology*. Philadelphia: W.B. Saunders Co, 2nd ed., pp 2192-2197, 2000.
11. Phillips P and **Hunter DG**. Cyclotropia. In Fraunfelder FT, Roy H, eds. *Current Ocular Therapy*. Philadelphia: W.B. Saunders. pp 394-6, 2000.
12. **Hunter DG**, Trucksis M. Orbital Complications of Sinusitis. In: Rose BD: UpToDate, 2001.
13. **Hunter DG**. Multifocal intraocular lenses in children [Invited Guest Editorial]. *Ophthalmology*, 108:1373-4, 2001
14. **Hunter DG**. Invited discussion of: Kono R, Demer JL. Magnetic resonance imaging of the functional anatomy of the inferior oblique muscle in superior oblique palsy. *Ophthalmology*. 2003;110:1229.
15. **Hunter DG**. Optical Factors Affecting the Outcome of Strabismus Surgery. *Am Orthopt J* 53:2 (2003).
16. **Hunter DG**. Abnormal head postures. In Taylor D and Hoyt C. *Pediatric Ophthalmology and Strabismus*. Philadelphia: Elsevier Ltd, 3rd ed., pp 1085-1087, 2005.
17. **Hunter DG**. Treatment of amblyopia in older children [Invited Guest Editorial]. *Arch Ophthalmol* 123:557-8, 2005.
18. **Hunter DG**. Early Detection vs Late Treatment of Amblyopia [Invited Commentary]. *JAMA* 293:1920-1922, 2005.

Books, Monographs, and Text Books:

1. **Hunter DG** and West CE [authors]. *Optics and Refraction*. Thorofare, New Jersey: Slack, Inc. 1996.

Clinical communications:

1. **Hunter DG**. Review of "A Text and Atlas of Strabismus Surgery, Renee Richards, ed." [Book Review]. *Binocular Vision Quarterly* 7:122, 1992.
2. **Hunter DG**. Benefits of strabismus surgery in patients with one blind eye [Letter]. *Arch Ophthalmology* 113:1995.

3. **Hunter DG.** Grand Rounds #43: A case of nystagmus with fixation abduction with a large residual contralateral esotropia after prior esotropia surgery [Invited Case Discussant]. *Binoc Vis Strabismus* 11:268-74, 1996.
4. **Hunter DG.** Statistical Significance [Letter]. *Binoc Vis Strabismus* 11:247, 1996.
5. **Hunter DG.** Review of "*Physicians Guide to the Internet*" [Book Review]. *American Journal of Ophthalmology* 122:602, 1996.
6. **Hunter DG.** Review of "*Management of Strabismus and Amblyopia: A Practical Guide*, by John A. Pratt-Johnson and Geraldine Tilson." [Book Review]. *American Journal of Ophthalmology*, 132:141, 2001.
7. **Hunter DG.** Grand Rounds Case #63: A case of a bilateral gaze limitation with diplopia for reading after two surgical procedures to treat a right medial rectus muscle paresis. [Invited Case Discussant]. *Binoc Vis Strabismus*, 16:192-200, 2001.
8. Parsa CF, Goldberg MF, **Hunter DG.** Papillorenal ("renal coloboma") syndrome. *Am J Ophthalmol.* 2002;134:300-1.
9. Parsa, CF, Goldberg, MF, **Hunter, DG.** Papillorenal syndrome in a Brazilian family [Letter]. *Arch Ophthalmol* 120:1772, 2002.
10. Parsa CF, Goldberg MF, **Hunter DG.** No colobomas in "renal coloboma" syndrome. *Ophthalmology.* 2003;110:251.

Educational Material:

1. **Hunter DG.** Parity insurance. *PC Magazine* 4(2):309-315, 1985
2. Azar DT, **Hunter DG,** West CE. Essential Optics for Keratorefractive Surgeons. American Academy of Ophthalmology Instruction Course, 1996, 1997.

Thesis:

1. *Axonemes In Sperm And Photoreceptors: Structural And Functional Analyses In Controls And Retinitis Pigmentosa Patients.*

Nonprint Materials: n/a

Patents:

1. Guyton DL, **Hunter DG.** Eye fixation monitor and tracker. US Patent No. 6,027,216. 22 Feb., 2000.

Abstracts:

1. Kretzer FL, Mehta RS, **Hunter DG**, Hittner HM. Ocular manifestations of Zellweger syndrome: A cascade of events associated with a peroxisomal disease. *Ophthalmology* 94(S), 1987.
2. **Hunter DG**, Reddy C, Jakobiec FL. Sucralfate in alkali burns of the rabbit cornea. *Invest Ophthalmol Vis Sci* 31:318, 1990.
3. **Hunter DG**, Foster CS. Isolated ocular sarcoidosis: Late development of systemic manifestations in uveitis patients. *Invest Ophthalmol Vis Sci* 32:681, 1991.
4. Miller JM, Mellinger MD, Elhatton K, Greivenkamp JE, **Hunter DG**, Simons K. A non-threatening system for automated screening of strabismus and corneal astigmatism. *Invest Ophthalmol Vis Sci* 34: 1993.
5. **Hunter DG**, West T, Guyton DL. Measurement of ocular deviations and head turns with an enhanced gyroscope deviometer. American Association for Pediatric Ophthalmology and Strabismus meeting, June, 1994.
6. Azar N, Feldman MA, Repka, MX, **Hunter DG**. Early suture adjustment following strabismus surgery under general anesthesia. American Association for Pediatric Ophthalmology and Strabismus meeting, April, 1995.
7. **Hunter DG**. Correction of aphakia in the microphthalmic infant: An optical analysis. American Association for Pediatric Ophthalmology and Strabismus annual meeting, April, 1998.
8. Sau S, Sandruck JC, Patel SN, Guyton DL, **Hunter DG**. Origins of foveal birefringence (FB) scan signals modeled using Poincaré sphere representation [Abstract 3539]. *Invest Ophthalmol Vis Sci* 39:S766, 1998.
9. Shah AS, Sau S, Simons K, Guyton DL, **Hunter DG**. Contribution of corneal birefringence azimuth to foveal birefringence (FB) scan variability [Abstract 3540]. *Invest Ophthalmol Vis Sci* 39:S766, 1998.
10. Gandhi NK, Mandell KJ, Guyton DL, **Hunter DG**. Determination of ocular defocus using the double-pass blur image of a point source. Biomedical Engineering Society / Engineering in Medicine and Biology combined meeting October, 1999.
11. **Hunter DG**, Gandhi NK, Quraishi IH, Gramatikov BI, Guyton DL. Automated detection of ocular focus using a bull's eye photodetector. American Association for Pediatric Ophthalmology and Strabismus annual meeting, April, 2001.
12. Bazemore M, Said H, Guyton DL, **Hunter DG**. Adjustable sutures in children. American Association for Pediatric Ophthalmology and Strabismus annual meeting, April, 2002.

13. Patel SN, Guyton DL, **Hunter DG**. Analysis of foveal birefringence using Retinal Birefringence Scanning vs. the GDx Nerve Fiber Analyzer. Association for Research in Vision and Ophthalmology annual meeting, 2002.
14. Nusz K, Congdon N, Gramatikov B, Friedman D, Guyton DL, Hylton C, **Hunter DG**. Rapid, objective detection of cataract-induced blur using a bull's eye photodetector. Association for Research in Vision and Ophthalmology annual meeting, 2002.
15. Vicente G, VanderVeen D, **Hunter DG**. A comparison of observed versus the predicted spherical equivalent of pediatric pseudophakic eyes using the Pediatric IOL calculator. American Association for Pediatric Ophthalmology and Strabismus annual meeting, May, 2003.
16. VanderVeen DK, Vicente GV, **Hunter DG**. Relaxation of postoperative astigmatism after using absorbable sutures for cataract wound closure. American Association for Pediatric Ophthalmology and Strabismus annual meeting, May, 2003.
17. **Hunter DG**, Piskun NV, Guyton DL, Gramatikov BI, Nassif DS. Clinical performance of the pediatric vision screener. American Association for Pediatric Ophthalmology and Strabismus annual meeting, April 2004.
18. **Hunter DG**, Piskun NV, Guyton DL, Gramatikov BI, Nassif DS. Clinical performance of the pediatric vision screener. ARVO annual meeting, May 2004.