

UNIVERSITY OF PENNSYLVANIA - PERELMAN SCHOOL OF MEDICINE  
Curriculum Vitae

Date: 04/18/2019

Brian J. Forbes, M.D., Ph.D

Address: The Children's Hospital of Philadelphia  
Department of Pediatric Ophthalmology  
34th and Civic Center Boulevard, Room 9NW38  
  
Philadelphia, PA 19104 USA

If you are not a U.S. citizen or holder of a permanent visa, please indicate the type of visa you have:  
none (U.S. citizen)

Education:

1982	B.S.	Allegheny College (Chemistry)
1988	Ph.D.	Pennsylvania State University (Chemistry)
1994	M.D.	University of Pennsylvania (Medicine)

Postgraduate Training and Fellowship Appointments:

1988-1990	Post Doctoral Fellowship, National Institutes of Health, Bethesda, MD
1994-1995	Transitional Internship, Mercy Catholic Medical Center, Darby, PA
1995-1998	Resident in Ophthalmology, University of Medicine and Dentistry of New Jersey, Newark, NJ
1998-1999	Fellowship, Pediatric Ophthalmology, Wills Eye Hospital, Philadelphia, PA

Military Service:

[none]

Faculty Appointments:

2001-2011	Assistant Professor of Ophthalmology at the Hospital of the University of Pennsylvania and the Children's Hospital of Philadelphia, University of Pennsylvania School of Medicine
2011-present	Associate Professor of Ophthalmology at the Hospital of the University of Pennsylvania and the Children's Hospital of Philadelphia, University of Pennsylvania School of Medicine

Hospital and/or Administrative Appointments:

1997-1998	Chief Resident in Ophthalmology, University of Medicine and Dentistry of New Jersey
1999-Present	Director of Pediatric Ophthalmology resident education of Scheie Residents, at The Children's Hospital of Philadelphia/The University of Pennsylvania.
2007-2011	Director, Pediatric Ophthalmology Fellowship, Children's Hospital of Philadelphia/The University of Pennsylvania.
2014-Present	Pediatric Ophthalmology Fellowship Director, The Children's Hospital of Philadelphia/The Perelman School of Medicine at the University of Pennsylvania
2016-Present	Director of Education, Children's Hospital of Philadelphia
2018-Present	Medical Director Camden College Ophthalmic Technician Program, Camden College, NJ

Other Appointments:

[none]

Specialty Certification:

1999 American Board of Ophthalmology

Licensure:

1999-Present Pennsylvania

Awards, Honors and Membership in Honorary Societies:

2000	Golden Apple Award, Scheie Eye Institute Resident Clinical Teaching Award
2001	Philadelphia Magazine - Top Doctors Issue - Pediatric Ophthalmology
2004	Mainline Magazine - Top Doctors Issue - Pediatric Ophthalmology
2004	Golden Apple Award, Scheie Eye Institute Resident Clinical Teaching Award
2007	Clinical Innovations Award - The Children's Hospital of Philadelphia Poster day.
2008	Immediately Sequential Intraocular Surgery in Pediatric Patients. American Association of Pediatric Ophthalmology and Strabismus Annual Meeting, Washington, DC. Winner - Best of show.
2009	American Association for Pediatric Ophthalmology and Strabismus - Honor Award for service to the American Association of Pediatric Ophthalmology and Strabismus (AAPOS)
2011	Mainline Magazine - Top Doctors Issue - Pediatric Ophthalmology

2011 American Academy of Ophthalmology - Achievement Award for service to the American Academy of Ophthalmology (AAO).

Memberships in Professional and Scientific Societies and Other Professional Activities:

International:

1999-Present Healing The Children - New Jersey Chapter (14 International missions and have served as surgical director.)

2018-Present International Joint Commission on Allied Health Personnel In Ophthalmology (American Association Of Pediatric Ophthalmology and Strabismus Representative)

National:

1999-2012 American Academy of Ophthalmology (O.N.E. Pediatric Ophthalmology Web Site Education Committee, 2009-present  
Maintenance of Certification Education Committee, 2006-2009)

2001-present Pediatric Eye Disease Investigative Group. (PEDIG)

2004-Present American Association of Pediatric Ophthalmology and Strabismus (Training and Accreditation Committee 2004-2012 - Chairman 2008-2012  
Education and Internet Committee 2006-2009  
Fellowship Compliance Committee 2006-2012 - Chair 2008-2012  
Consultant to Fellowship Compliance Committee 2012 - 2017  
Nominating Committee 2009-2016)

2008-2016 American Association of University Professors of Ophthalmology (American Association of Pediatric Ophthalmology and Strabismus representative, Fellowship Compliance Committee)

2011-2015 American Academy of Pediatrics

Local:

2000-present Delaware Valley Pediatric Ophthalmology Association (President, 2005-2008)

2003-2010 Philadelphia College of Physicians (Fellow, 2004-2010)

Editorial Positions:

2001-Present Reviewer - Journal of Pediatric Ophthalmology and Strabismus

2002-Present Reviewer - Journal of the American Association for Pediatric Ophthalmology and Strabismus.

2004-Present Reviewer - American Journal of Ophthalmology

2004-Present	Reviewer - Archives of Ophthalmology
2004-Present	Reviewer - Journal of Retina
2009-Present	Editorial Board - Journal of the American Association for Pediatric Ophthalmology and Strabismus.

Academic and Institutional Committees:

2006-Present	Perelman School of Medicine Committee on Admissions
2007-present	Scientific Review Committee, The Children's Hospital of Philadelphia, Department of Ophthalmology
2008-present	Graduate medical Education Committee, The Children's Hospital of Philadelphia/The University of Pennsylvania.

Major Academic and Clinical Teaching Responsibilities:

1999-2007	Director of Medical Student Pediatric Ophthalmology education for The University of Pennsylvania School of Medicine at The Children's Hospital of Philadelphia.
2001-2006	Co-fellowship director of the Pediatric Ophthalmology fellowship at Children's Hospital of Philadelphia. Fellows Trained: Nicole Delarato, M.D. 1999 - 2000. Jennifer Lin, M.D. 2000 - 2001. Jimmy Jee, M.D. 2001 - 2002. David Young, M.D. 2002 - 2003. Stafanie Davidson, M.D., 2003-2004. Leila Khazaeni, M.D., 2004-2005. William Katowitz, M.D., 2005 - 2006. William Anninger, M.D., 2005 - 2006.
2002	Amblyopia Treatment Study Results. Pediatric Ophthalmology and Strabismus Update. Scheie Eye Institute, University of Pennsylvania
2003	New Developments in the Treatment of Amblyopia. Current Concepts in Pediatric Ophthalmology and Strabismus. The Children's Hospital of Philadelphia, Philadelphia, PA.
2004	Amblyopia Treatment Study Results. Grand Rounds, Scheie Eye Institute, University of Pennsylvania
2004	The Eye and Shaken Baby Syndrome. Grand Rounds, Pennsylvania Hospital
2005	Epidural Hematomas and Retinal Hemorrhages - Is It Shaken Baby Syndrome? Scheie Eye Institute, 131st Annual Alumni Meeting, University of Pennsylvania
2005	PEDIG Study Results, Grand Rounds, Scheie Eye Institute, University of Pennsylvania

- 2005 Amblyopia Therapy - Lessons from the Amblyopia Treatment Studies. Pediatric Ophthalmology and Strabismus Update 2005. The Children's Hospital of Philadelphia, Philadelphia, PA
- 2006-2013 Fellowship director of the Pediatric Ophthalmology fellowship at Children's Hospital of Philadelphia.  
Fellows Trained:  
Gil Binenbaum, M.D., 2006 - 2007.  
Shirah Schwartz-Jacobs, M.D., 2006 - 2007.  
Airaj Fasiuddin, M.D., 2007 - 2008.  
Dorothy Hendricks, M.D., 2007 - 2008.  
Alejandra De Alba Campones, M.D., 2008 - 2009.  
Naureen Mirza George, M.D., 2008 - 2009.  
Gerard Barry, M.D., 2009 - 2010.  
Emily DeCarlo, M.D., 2009 - 2010.  
Monica Ralli-Khitri, M.D., 2010 - 2011.  
Lorri Wilson, M.D., 2010 - 2011.  
Javenah Abbasian, M.D., 2011 - 2012.  
Stephanie Dotchin, M.D., FRSC. 2011 - 2012.  
Raymond Aureaux, M.D., 2012 - 2013.  
Wendy Chen, M.D., 2012 - 2013.
- 2006 The Effect of Topical Tetracaine on Emergence Behavior and Pain Relief After Strabismus Surgery. Scheie Eye Institute, 132nd Annual Alumni Meeting, the University of Pennsylvania, Philadelphia, PA.
- 2006 "Penn Ophthalmology Board Review Course." Pediatric Ophthalmology, Philadelphia, PA
- 2006-Present University of Pennsylvania - Nursing School. Semi-annual pediatric ophthalmology didactic review course - Nursing 203.  
Katherine G Thompson, BSN, MSN, CPNP- BC - Contact
- 2007 A Biomechanical Model to Study Retinal Hemorrhages in Inflicted Childhood Neurotrauma (Shaken Baby Syndrome). Scheie Eye Institute 133rd Anniversary Meeting - Philadelphia, PA.
- 2007 Ocular Findings in the 22q11.2 Deletion Syndrome. Scheie Eye Institute 133rd Anniversary Meeting - Philadelphia, PA.
- 2007 Ocular Manifestations of Craniofacial Anomalies. Current Concepts in Pediatric Ophthalmology and Strabismus. The Children's Hospital of Philadelphia, Philadelphia, PA.
- 2007 "Penn Ophthalmology Review Course." Pediatric Ophthalmology, Philadelphia, PA
- 2008 Quantification of odds of abuse associated with retinal hemorrhages in children suspected of child abuse. Scheie Eye Institute 134th Anniversary Meeting. Philadelphia, PA
- 2009 University of Pennsylvania School of Bioengineering - Bioengineering 400 preceptor - Spring semester
- 2009-2010 University of Pennsylvania School of Bioengineering - Senior project advisor academic year 2009-2010

- 2009 Amblyopia Treatment: 1998 vs 1994 - Scheie Eye Institute 136th Anniversary Meeting. Philadelphia, PA
- 2010 University of Pennsylvania School of Bioengineering - Bioengineering 400 preceptor - Spring semester
- 2010 Pathologic Brain and Head Findings Associated with Retinal Hemorrhages in Young Children with Abusive or Accidental Head Injuries. Scheie Eye Institute 136 th Anniversary Meeting. Philadelphia, PA
- 2010 Ulcerative Dermatitis of the Eyelids from the Use of Gentamicin Ointment as Ophthalmia Neonatorum Prophylaxis. Scheie Eye Institute 136th Anniversary Meeting. Philadelphia, PA
- 2010 Atropine "Penalization" for Intermittent Exotropia. Seventh Annual Update on Pediatric Ophthalmology: Strabismus and Amblyopia. The Children's Hospital of Philadelphia, Philadelphia, PA.
- 2011 Missions in Pediatric Ophthalmology - What Have We Done and What We Should Be Doing. Prevention of Blindness in Children Throughout the World. How Can We Help? Conference. March 19, 2011 - The Children's Hospital of Philadelphia, Philadelphia, PA.
- 2011 The relationship between retinal hemorrhage and acute-on-chronic versus acute intracranial hemorrhage in pediatric head trauma. Scheie Eye Institute 137 th Anniversary Meeting, May 2011 - Philadelphia, PA.
- 2011 Ophthalmic Pearls For Pediatric Providers Conference - Amblyopia and Strabismus. June, 2011 - The Children's Hospital of Philadelphia, Philadelphia, PA.
- 2012 Vision Screening for the PCP's: What's New? and Other Pediatric Eye Issues. Pediatric health care providers. Children's Hospital of Philadelphia, Exton, PA.
- 2012 Easy on the Eyes - Ophthalmic Pearls For Pediatric Providers Conference - Amblyopia and Strabismus. June, 2011 - The Children's Hospital of Philadelphia, Philadelphia, PA.
- 2012 Association Between Retinal Hemorrhage and Brain Injury Patterns on Diffusion-Weighted MRI in Injured Infants and Young Children. Scheie Eye Institute 134th Anniversary Meeting. Philadelphia, PA
- 2012 Management of strabismus in craniofacial syndromes - CHOP Annual Update on Pediatric Ophthalmology and Strabismus. The Children's Hospital of Philadelphia, Philadelphia, PA.
- 2013 Incidence and Patterns of Retinal Hemorrhage associated with Increased Intracranial Pressure in Children at The 139 th Scheie Annual Alumni meeting, Scheie Eye Institute, Philadelphia, PA.
- 2014 Retinal Hemorrhages in A Toddler - Is It Those Darn Vaccines at The 140 th Scheie Annual Alumni meeting, Scheie Eye Institute, Philadelphia, PA.
- 2015 Patterns of Retinal Hemorrhage Associated with Pediatric Cerebral Sinovenous Thrombosis at The 141 rst Scheie Annual Alumni meeting, Scheie Eye Institute, Philadelphia, PA.

- 2016 The 22q11.2 Duplication/Deletion Syndrome.  
Scheie Eye Institute's 142nd Anniversary Meeting being held on  
Friday - Saturday, April 15 - 16, 2016 at Scheie Eye Institute, 51 N.  
39th Street, David M. Kozart Auditorium
- 2016-Present Fellowship Director Of Pediatric Ophthalmology - Fellows trained.  
Joseph Griffith, M.D., 2016 - 2017.  
Zachary Elkin, M.D., 2017 - 2018.  
Anne Jensen, M.D., 2017 - 2018.
- 2018 Patterns of Retinal Hemorrhages Associated With Cardiac Arrest  
And Cardiopulmonary Resuscitation.  
144th Scheie Anniversary Meeting  
April 13th and 14th, 2018
- 2019 Pediatric Ophthalmology Board Review Course - January 21, 2019  
2019 Title: Patterns of Retinal Findings in Young Children with  
Increased Intracranial Pressure From Nontraumatic Causes  
145th Anniversary Meeting Scheie Eye Institute Department of  
Ophthalmology  
University of Pennsylvania - Perelman School of Medicine  
April 12 - 13, 2019

Lectures by Invitation (Last 5 years):

- Apr, 2014 RETINAL HEMORRHAGES AND ABUSIVE HEAD TRAUMA  
at The 40 th Annual Meeting of The American Association of  
Pediatric Ophthalmology and Strabismus, Palm Springs, CA
- Mar, 2015 "Science, Pseudoscience, and the law in AHT", Annual Meeting of  
the AAPOS, New Orleans LA
- Jul, 2015 22 Q deletion syndrome and the eye - The Children's Hospital of  
Philadelphia. International conference of 22 Q deletion syndrome.
- Sep, 2015 Differential Diagnosis of Retinal Hemorrhages in Live Patients -  
2015 New York City Abusive Head Trauma Conference - Queens  
District attorney Office
- Feb, 2016 New Innovations in Pediatric Ophthalmology and Abusive Head  
Trauma. Grand Rounds. Exton, PA
- Apr, 2017 Retinal Hemorrhages Go To Court - Issues In Courts Today".  
American Association of Pediatric Ophthalmology and Strabismus  
Annual Meeting, Nashville, TN
- Sep, 2017 Differential Diagnosis of Retinal Hemorrhages of Live Patients &  
Literature Update.  
2017 NYC Abusive Head Trauma Conference
- Oct, 2017 Partial Third Nerve Palsy - When to operate. The 33 th Annual  
Pediatric Ophthalmology Forum. The Wills Eye Hospital,  
Philadelphia, PA.
- Nov, 2017 Abusive Head Trauma, Breakfast with the Experts." American  
Academy of Ophthalmology Annual Meeting, New Orleans, LA.

- May, 2018 Patterns of Retinal Hemorrhages Associated With Cardiac Arrest And Cardiopulmonary Resuscitation. Helfer Society Meeting 2018, Nashville, TN
- Jun, 2018 Abusive Head Trauma - What To Know And How To Know It. Temple University School of Medicine Grand Rounds. June 12, 2018
- Oct, 2018 Post operative infection in Strabismus Surgery. The 34 th Annual Pediatric Ophthalmology Forum. The Wills Eye Hospital, Philadelphia, PA.
- Nov, 2018 Pediatric Ophthalmology Primer for the Ophthalmic Technician - International Joint Commission on Allied Health Personnel In Ophthalmology - webinar.
- Jan, 2019 Review of Current topics in Pediatric Ophthalmology and Abusive Head Trauma. Temple University School of Medicine Grand Rounds. January 29, 2019
- Apr, 2019 Regional IJCAHPO meeting. Craniofacial disorders and Clefting syndromes.

Organizing Roles in Scientific Meetings:

- Dec, 2003 Current Concepts in Pediatric Ophthalmology and Strabismus. Children's Hospital of Philadelphia, Philadelphia, PA
- Dec, 2005 Current Concepts in Pediatric Ophthalmology and Strabismus Children's Hospital of Philadelphia, Philadelphia, PA
- Apr, 2009 Chairman - American Association of Pediatric Ophthalmology and Strabismus Fellowship Compliance Committee Meeting. San Francisco, CA
- Apr, 2009 Chairman - American Association of Pediatric Ophthalmology and Strabismus Fellowship Directors Meeting. San Francisco, CA
- Apr, 2009 Moderator - Difficult cases non-strabismus. American Association of Pediatric Ophthalmology and Strabismus Annual Meeting San Francisco, CA.
- Apr, 2010 Chairman - American Association of Pediatric Ophthalmology and Strabismus Fellowship Compliance Committee Meeting. Orlando, FL
- Apr, 2010 Chairman - American Association of Pediatric Ophthalmology and Strabismus Fellowship Directors Meeting. Orlando, FL
- Apr, 2010 Moderator - Difficult cases non-strabismus. American Association of Pediatric Ophthalmology and Strabismus Annual Meeting Orlando, FL.
- Mar, 2011 Chairman - American Association of Pediatric Ophthalmology and Strabismus Fellowship Compliance Committee Meeting. San Diego, CA



- Apr, 2011 Chairman - American Association of Pediatric Ophthalmology and Strabismus Fellowship Directors Meeting.  
San Diego, CA
- Apr, 2011 Moderator - Difficult cases non-strabismus. American Association of Pediatric Ophthalmology and Strabismus Annual Meeting  
San Diego, CA
- Mar, 2012 Chairman - American Association of Pediatric Ophthalmology and Strabismus Fellowship Compliance Committee Meeting.  
San Antonio, TX
- Mar, 2015 Co-Chair, International Classification of Retinal Hemorrhages workgroup  
New Orleans, LA

### Bibliography:

#### Research Publications, peer reviewed (print or other media):

1. Bennett J, Wilson J, Sun D, Forbes BJ, Maguire A: Adenovirus vector-mediated in vivo gene transfer into adult murine retina Investigative Ophthalmology & Visual Science 35(5): 2535-42, April 1994.
2. Forbes BJ, Hamilton GA: Mechanism and mechanism-based inactivation of 4-hydroxyphenylpyruvate dioxygenase Biorganic Chemistry 22(4): 343-61, December 1994.
3. Arlotti SA, Forbes BJ, Dias, MS, Bonsall DJ: Unilateral retinal hemorrhages in shaken baby syndrome. J Amer Association of Pediatric Ophthalmology and Strabismus 11(2): 175-178, April 2007.
4. Forbes BJ, Binenbaum G, Edmond JC, DeLarato N, McDonald-McGinn DM, Zackai EH: Ocular findings in the chromosome 22q11.2 deletion syndrome. J Amer Association of Pediatric Ophthalmology and Strabismus 11(2): 179-182, April 2007.
5. Anninger W, Forbes BJ, Quinn G, Schreiner MS: The effect of topical tetracaine eye drops on emergence behavior and pain relief after strabismus surgery. J Amer Association of Pediatric Ophthalmology and Strabismus. David G. Hunter (eds.). Mosby, 11(2): 273-276, June 2007.
6. Holmes JM, Melia M, Bradfield YS, Cruz OA, Forbes B: Factors Associated with Recurrence of Amblyopia on Cessation of Patching. Ophthalmology 114(8): 1427-1432, July 2007.
7. Kwon EJ, Hivnor CM, Yan AC, Forbes B, Elenitsas R, Albert D, Pawel B, Honig P, Pessler F: Interstitial Granulomatous Lesions as Part of the Spectrum of Presenting Cutaneous Signs in Pediatric Sarcoidosis. Pediatric Dermatology 25(4): 517 - 524, September 2007.

8. Binenbaum G, McDonald-McGinn DM, Zackai EH, Walker BM, Coleman K, Mach AM, Adam M, Manning M, Alcorn DM, Zabel C, Anderson DR, Forbes BJ: Sclerocornea associated with the chromosome 22q11.2 deletion syndrome. American Journal of Medical Genetics. John C. Carey (eds.). Wiley Blackwell, 146A(7): 904-909, April 2008.
9. Forbes B, Cox M, Christian CW: Retinal Hemorrhages in Children with Epidural Hematomas. J Amer Association Pediatric Ophthalmology & Strabismus David Hunter (eds.). Elsevier, 12(2): 177-180, April 2008.
10. Forbes BJ, Katowitz WR, Binenbaum G: Pediatric canalicular tear repairs - revisiting the pigtail probe. J Amer Association Pediatric Ophthalmology & Strabismus 12(5): 518-520, October 2008.
11. Ficicioglu C, Thomas N, Tayer C, Gallagher PR, Husa C, Mattie A, Day-Salvatore DD, Forbes BJ: Duarte (DG) galactosemia: A pilot study of biochemical and neurodevelopmental assessment in children detected by newborn screening. Mol Genetics and Metabolism 95(4): 206-12, Dec 2008.
12. Khazaeni K, Quinn GE, Davidson SL, Forbes BJ: Amblyopia Treatment: 1998 Versus 2004. Journal of Pediatric Ophthalmology and Strabismus 46(1): 19-24, January 2009.
13. Binenbaum G, Mirza-George N, Christian CW, Forbes BJ: Odds of abuse associated with retinal hemorrhages in children suspected of child abuse. J Amer Association of Pediatric Ophthalmology and Strabismus 13(3): 268-72, June 2009.
14. Binenbaum G, Bruno CF, Forbes BJ, Snyder M, Mollen TJ, Schmidt B, Peterside I: Periocular Ulcerative Dermatitis Associated with Gentamycin Ointment Prophylaxis in Newborns. The Journal of Pediatrics 156(2): 320-321, February 2010.
15. Nallasamy S, Davidson SL, Kuhn I, Mills MD, Forbes BJ, Stricker PA, Anninger WA: Simultaneous bilateral intraocular surgery in children. J Amer Association Pediatric Ophthalmology & Strabismus 14(15): 15-19, February 2010.
16. Guo S, Wagner RS, Forbes BJ, Derespinas PA, Caputo AR: Sutureless Conjunctival Closure in Strabismus Surgery. Journal of Pediatric Ophthalmology and Strabismus 47(4): 228-230, July/August 2010.
17. Coats B, Binenbaum G, Forbes BJ, Peiffer RL, Margulies SS: Ocular Hemorrhages in Neonatal Porcine Eyes from Single, Rapid Rottional Events. IOVS 51: 4792-4797, September 2010.

18. Jensen AK, Forbes BJ, Wilson LB, Prieto D, Binenbaum G: Widespread retinal hemorrhages after retinopathy of prematurity screening with scleral depression. Journal of the American Association for Pediatric Ophthalmology and Strabismus. David Hunter (eds.). 15(6): 609-611, December 2011.
19. Tibbets MD, Wise R, Forbes B, Hedrick HL, Levin AV.: Hypertensive retinopathy in a child caused by pheochromocytoma: Identification after a failed school vision screening. Journal of the American Association for Pediatric Ophthalmology and Strabismus. 16(1): 97-99, February 2012.
20. Forbes BJ, Binenbaum G, Rogers DL, Levin AV, Clark SA, Christian CW, Liu GT, Avery R.: Patterns of retinal hemorrhage associated with increased intracranial pressure in children. Pediatrics. 132(2): 430-434, August 2013 Notes: <http://www.pediatricsdigest.mobi/content/132/2/e430/reply>.
21. Forbes BJ, Binenbaum G, Christian CW, Ichord RN, Ying G, Simon MA, Romero K, Pollock AN.: Retinal hemorrhage and brain injury patterns on diffusion-weighted magnetic resonance imaging in children with head trauma. Journal of the American Association for Pediatric Ophthalmology and Strabismus. Edward G Buckley MD (eds.). 17(6): 603-608, December 2013.
22. Gil Binenbaum, Cindy W. Christian, Rebecca N. Ichord, Gui-shaung Ying, Melissa A. Simon, Kathleen Romero, Avrum N. Pollock, Brian J. Forbes.: Retinal hemorrhage and brain injury patterns on diffusion-weighted magnetic resonance imaging in children with head trauma Journal of American Association for Pediatric Ophthalmology and Strabismus 17(6): 603-608, December 2013.
23. Aleman Tomas S, Brodie Frank, Garvin Christopher, Gewaily Dina Y, Ficicioglu Can H, Mills Monte D, Forbes Brian J, Maguire Albert M, Davidson Stefanie L: Retinal Structure in Cobalamin C Disease: Mechanistic and Therapeutic Implications. Ophthalmic genetics Feb 2014.
24. Miller Aaron M, Chandler Danielle L, Repka Michael X, Hoover Darren L, Lee Katherine A, Melia Michele, Rychwalski Paul J, Silbert David I, Beck Roy W, Crouch Eric R, Donahue Sean, Holmes Jonathan M, Quinn Graham E, Sala Nick A, Schloff Susan, Wallace David K, Foster Nicole C, Frick Kevin D, Golden Richard P, Lambert Scott R, Tien D Robbins, Weakley David R: Office probing for treatment of nasolacrimal duct obstruction in infants. Journal of AAPOS : the official publication of the American Association for Pediatric Ophthalmology and Strabismus / American Association for Pediatric Ophthalmology and Strabismus 18(1): 26-30, Feb 2014.
25. Samra F, Paliga JT, Tahiri Y, Whitaker LA, Bartlett SP, Forbes BJ, Taylor JA.: The prevalence of strabismus in unilateral coronal synostosis. Samra F, Paliga JT, Tahiri Y, Whitaker LA, Bartlett SP, Forbes BJ, Taylor JA. PMID: 25254697 [PubMed - in process] Plast Reconstr Surg. 134(4), October 2014.

26. Binenbaum Gil, Forbes Brian J: The eye in child abuse: key points on retinal hemorrhages and abusive head trauma. Pediatric radiology 44 Suppl 4: S571-7, Dec 2014.
27. Samra Fares, Paliga J Thomas, Tahiri Youssef, Whitaker Linton A, Bartlett Scott P, Forbes Brian J, Taylor Jesse A: The prevalence of strabismus in unilateral coronal synostosis. Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery 31(4): 589-96, Apr 2015.
28. Aleman TS, Brodie F, Garvin C, Gewaily D, Ficicioglu CH, Mills MD, Forbes BJ, Maguire AM, Davidson SL.: Retinal structure in Cobalamin C Disease: Mechanistic and therapeutic Implications. Ophthalmic Genetics. Taylor & Francis (eds.). August 2015 Notes: <http://www.tandfonline.com/doi/full/10.3109/13816810.2014.885059>.
29. Geloneck MM, Forbes BJ, Shaffer J, Ying G, Binenbaum G.: Ocular Complications in Children with Diabetes Mellitus. Ophthalmology August 2015.
30. Gil Binenbaum, MD, MSCE; Cindy W. Christian, MD; Katy Guttmann, MD, MBE; Brian J Forbes. Published online September 03, 2015. : Evaluation of Temporal Association Between Vaccinations and Retinal Hemorrhage in Children JAMA Ophthalmol Page: doi:10.1001/jamaophthalmol.2015.2868, September 2015.
31. Binenbaum G, Chen W, Huang J, Ying GS, Forbes BJ: : The Natural History of Retinal Hemorrhage in Pediatric Head Trauma. Journal of the American Association of Pediatric Ophthalmology and Strabismus. William V. Good (eds.). 20(2): 131 - 135, April 2016.
32. Forbes BJ, McDonald-McGinn DM, Wootton G, Dawson L, Zackai E, Binenbaum G: Ocular findings associated with 22q11.2 duplication. Journal of the American Association of Pediatric Ophthalmology and Strabismus 20(3): 278 - 280, June 2016.
33. Forbes BJ, McDonald-McGinn DM, Wootton G, Dawson L, Zackai E, Binenbaum G: : Ocular Findings Associated with Chromosome 22q11.2 Duplication. Journal of AAPOS 2016 in press. Journal of The American Association of Pediatric Ophthalmology and Strabismus 2016 Notes: In press.
34. Binenbaum G, Reid JE, Rogers DL, Jensen, AK, Billingham LL, Forbes BJ.: Patterns of retinal hemorrhage associated with pediatric cerebral sinovenous thrombosis. Journal of the American Association of Pediatric Ophthalmology and strabismus 21: 23-27, March 2017.

35. Angell Shi, BS,<sup>a</sup> Abhaya Kulkarni, Kenneth W. Feldman, Avery Weiss, Emily A. McCourt, Susan Schloff, Michael Partington, Brian Forbes, Brooke E. Geddie, Karin Bierbrauer, Paul H. Phillips, David L. Rogers, Waleed Abed Alnabi, Gil Binenbaum, Alex V. Levin: Retinal Findings in Young Children With Increased Intracranial Pressure From Nontraumatic Causes. PEDIATRICS 143(2): e20181182, February 2019.

Research Publications, peer-reviewed reviews:

1. Forbes, B.J.: Management of Corneal Abrasions and Pediatric Ocular Trauma Pediatric Annals 30(8): 465-472, 2001.
2. Forbes BJ, Mills MD, Levin AV: Shaken Baby Syndrome - Ophthalmic Findings. Comprehensive Ophthalmology Update 4(4): 161-168, June 2003.
3. Forbes BJ, Christian CW, Judkins AJ, Kryston K.: Inflicted Childhood Neurotrauma (Shaken Baby Syndrome): Ophthalmic Findings. Journal of Pediatric Ophthalmology and Strabismus 41(2): 80-88, March 2004.
4. Forbes BJ, Guo S: Update on the Surgical Management of Pediatric Cataracts Journal of Pediatric Ophthalmology and Strabismus 43(3): 143-156, May 2006.
5. Forbes BJ, Rubin SE, Margolin E, Levin AV: Evaluation and management of retinal hemorrhages in infants with and without abusive head trauma. J Amer Association of Pediatric Ophthalmology and Strabismus 14(3): 267-273, June 2010.
6. Forbes BJ: Congenital Craniofacial Abnormalities. Current Opinions in Ophthalmology 21(5): 367-374, September 2010.
7. Gil Binenbaum & Brian J. Forbes: The eye in child abuse: Key points on retinal hemorrhages and abusive head trauma. Pediatr Radiol (2014)- Special issue: Abusive Head Trauma. Springer, 44(4): S571-S577, January 2014.
8. Gil Binenbaum, Brian J Forbes: The eye in child abuse: Key points on retinal hemorrhages and abusive head trauma. Pediatric Radiology Volume 44(Issue 4 Supplement): 0301-0449, December 2014.
9. Ian M. Campbell.... Brian J. Forbes ... Donna M McDonald-McGinn: What is new with 22q? An update from the 22q and You Center at the Children's Hospital of Philadelphia. Am J Med Genet. Wiley Periodicals, 176A: 2058-2069, August 2018.

Contributions to peer-reviewed research publications, participation cited but not by authorship:

1. PEDIG Eye Disease Investigative Group: A Randomized Trial of Atropine vs Patching for Treatment of Moderate Amblyopia in Children. Arch Ophthalmol. 120(3): 268-278, March 2002.
2. PEDIG Eye Disease Investigative Group: The Clinical Profile of Moderate Amblyopia in Children Younger Than 7 Years Arch Ophthalmol. 120(3): 281-287, March 2002.
3. PEDIG Eye Disease Investigative Group: A randomized trial of prescribed patching regimens for treatment of severe amblyopia in children. Ophthalmology 110(11): 2075-2087, April 2003.
4. PEDIG Eye Disease Investigative Group Writing Committee, Repka MX, Beck RW, Holmes JM, Birch EE, Chandler DL, Cotter SA, Hertle RW, Kraker RT, Moke PS, Quinn GE, Scheiman MM: A randomized trial of patching regimens for treatment of moderate amblyopia in children. Arch Ophthalmol 121(5): 603-611, May 2003.
5. The PEDIG Eye Disease Investigative Group: A Comparison of Atropine and Patching Treatments for Moderate Amblyopia by Patient Age, Cause of Amblyopia, Depth of Amblyopia, and Other Factors. Ophthalmology 110(8): 1632-1638, August 2003.
6. PEDIG Eye Disease Investigative Group: The course of moderate amblyopia treated with atropine in children: experience of the Amblyopia Treatment Study. Am J Ophthalmol 136: 630-639, October 2003.
7. PEDIG Eye Disease Investigative Group(Principal Investigator at The Children's Hospital of Philadelphia): The course of moderate amblyopia treated with patching in children: experience of the Amblyopia Treatment Study. Am J Ophthalmol 136(4): 620-629, October 2003.
8. PEDIG Eye Disease Investigative Group: Impact of patching and atropine on the child and family in the Amblyopia Treatment Study. Arch Ophthalmol 121(11): 1625-1632, November 2003.
9. ETROP Cooperative Group, Writing Committee Good WV, Hardy RJ, Dobson V, Palmer EA, Phelps DL, Quintos M, Tung B: Revised indications for the treatment of retinopathy of prematurity: Results of the Early Treatment for Retinopathy of Prematurity Randomized Trial. Arch Ophthalmol 121(12): 1684-1686, December 2003.
10. Forbes BJ and the Cryotherapy for Retinopathy of Prematurity Group: 15 Year Outcome Following Threshold Retinopathy of Prematurity. Final Results from the Multicenter Trial of Cryotherapy for Retinopathy of Prematurity. Arch Ophthalmol 123(3), March 2004.

11. ETROP Cooperative Group: Multicenter trial of early treatment for retinopathy of prematurity: study design. Controlled Clinical Trials 25(3): 311-325, June 2004.
12. ETROP Cooperative Group.: The Incidence and Course of Retinopathy of Prematurity: Findings from the Early Treatment for Retinopathy of Prematurity Study. Pediatrics 116(1): 15-23, July 2005.
13. PEDIG Eye Disease Investigative Group (Principal investigator at The Children's Hospital of Philadelphia): The effect of amblyopia treatment on ocular alignment. J Amer Association of Pediatric Ophthalmology and Strabismus 9: 542-5, 2005.
14. PEDIG Eye Disease Investigator Group : A Randomized Trial to Evaluate 2 Hours of Daily Patching for Strabismic and Anisometropic Amblyopia in Children. Ophthalmology 113(6): 904-912, June 2006.
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