

## **CURRICULUM VITAE**

**Deborah M. Costakos MD**

**Chair, Professor  
Department of Ophthalmology and Visual Sciences**

### **OFFICE ADDRESS:**

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### **EDUCATION:**

01/1983 - 06/1986 B.S. Ohio State University, Columbus, Ohio  
08/1986 - 05/1988 M.S. University of South Carolina, Columbia, South Carolina  
08/1993 - 05/1998 M.D. Medical College of Wisconsin, Milwaukee, Wisconsin

### **POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:**

1986 - 1988 Genetic Counselor's Assistant and Laboratory Assistant, University of South Carolina, Columbia, SC  
06/1987 - 09/1987 Summer Intern, Assistant genetic counselor, Medical College of Virginia, Richmond, VA  
1998 - 1999 Internship, St. Luke's Medical Center, Milwaukee, WI  
1999 - 2002 Residency, University of Colorado Health Sciences Center, Department of Ophthalmology, Denver, CO  
2002 - 2003 Fellowship, Pediatric Ophthalmology, The Children's Hospital, Department of Ophthalmology, University of Colorado Health Sciences Center, Denver, CO

### **FACULTY APPOINTMENTS:**

01/01/2009 - Present Pediatric Ophthalmologist, Ophthalmology, Medical College of Wisconsin, Milwaukee, WI  
01/01/2009 - 07/01/2014 Assistant Professor, Ophthalmology, Medical College of Wisconsin, Milwaukee, WI  
07/01/2014 - Present Associate Professor, Ophthalmology, Medical College of Wisconsin, Milwaukee, WI  
01/01/2020 - Present Professor, RD and Linda Peters Professor in Ophthalmology & Vision Sciences, Ophthalmology, Medical College of Wisconsin, Milwaukee, WI  
01/01/2020 - Present Professor, Ophthalmology, Medical College of Wisconsin, Milwaukee, WI  
01/01/2020 - Present Chair, Ophthalmology, Medical College of Wisconsin, Milwaukee, WI

### **ADMINISTRATIVE APPOINTMENTS:**

1988 - 1990 Genetic Counselor, Genetics & IVF Institute, Fairfax, VA  
1990 - 1992 Genetic Counselor and Technical Sales Representative, Genetics & IVF Institute, Fairfax, VA

### **HOSPITAL AND CLINICAL ADMINISTRATIVE APPOINTMENTS:**

2004 - 2008 Adult and Pediatric Ophthalmologist, Lakeshore Eye Care Specialists, Mequon, WI  
2010 - Present Program Director, Retinopathy of Prematurity, Ophthalmology, Children's Wisconsin, Milwaukee, WI  
2011 - 2015 Section Chief, Ophthalmology, Pediatric Ophthalmology, Children's Hospital, Milwaukee, WI  
2014 - 2019 Medical Director, Ophthalmology, Pediatric Ophthalmology, Children's Wisconsin, Milwaukee, WI  
02/14/2019 - 12/31/2019 Interim Chair, Ophthalmology, Medical College of Wisconsin, Milwaukee, WI

01/01/2020 - Present Chair, Ophthalmology, Medical College of Wisconsin, Milwaukee, WI

**HOSPITAL STAFF PRIVILEGES:**

Columbia St. Mary's, Milwaukee, WI  
St. Joseph's Regional Medical Center, Milwaukee, WI  
Waukesha Memorial Hospital, Waukesha, WI  
Children's Hospital of Wisconsin, Milwaukee, WI  
Froedtert Hospital, Milwaukee, WI  
Aurora Sinai Medical Center, Milwaukee, WI

**SPECIALTY BOARDS AND CERTIFICATION:**

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
American Board of Ophthalmology	2004	2024

<u>Certificates</u>	<u>Issued By</u>	<u>Issue Date</u>	<u>Expiration</u>
American Board of Medical Genetics		1990	None

**AWARDS AND HONORS:**

03/1983 - Present Ford Motor Company Women in Engineering Award  
08/1983 - Present Academic Scholarship for Women in Engineering  
01/1984 - Present Helix, Biological Sciences Honorary  
05/1985 - Present Arts & Sciences Award  
02/1986 - Present Presidential Award  
05/1986 - Present Phi Beta Kappa  
05/1998 - Present Alpha Omega Alpha  
11/2014 - Present Honorary Chairperson, Vision Forward Dining in the Dark

**MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:**

1988 - Present American Society of Human Genetics  
1993 - Present American Medical Association  
1993 - 1998 American Medical Student Association  
1999 - Present American Academy of Ophthalmology  
2003 - Present Milwaukee Ophthalmology Society  
2005 - Present American Academy of Pediatric Ophthalmology and Strabismus  
2012 - Present American Academy of Pediatrics

**LOCAL/REGIONAL APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:**

1992 Chairman, National Society of Genetic Counselor's Regional Meeting  
2007 - 2010 Board Member, Center for the Blind and Visually Disabled  
2010 - 2012 Unified Vision Campaign Cabinet, Vision Forward Association  
2014 Co Chair, Dining in the Dark Fundraising Event, Vision Forward  
2019 Medical Chair, Vision Walk, Foundation for Fighting Blindness

**NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:**

2007 - Present Socioeconomic Committee, American Association of Pediatric Ophthalmology and Strabismus  
2014 - Present Self Assessment Committee, American Academy of Ophthalmology  
2014 - Present Board Examiner, Oral Board Examiner, American Board of Ophthalmology  
2015 - Present Fellowship Directors Committee, American Association of Pediatric Ophthalmology and Strabismus  
2017 - Present Genetic Eye Disease Committee, American Association of Pediatric Ophthalmology and Strabismus

**RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:**

**Active****Peer Review**

Title: Genetic Studies of Retinopathy of Prematurity  
Source: Children's Research Institute  
Role: Co-PI  
PI: Deborah Costakos MD  
Dates: 01/2018 - 01/2019

**INVITED LECTURES/WORKSHOPS/PRESENTATIONS:****Local**

Costakos DM, Pediatric Ophthalmology Lecture Series, Multiple Presentations, MCW, Milwaukee WI, 01/2009 - Present  
Costakos DM, Ocular Genetics, Eye to Eye Seminar, Children's Wisconsin, Milwaukee, WI, 02/2011  
Costakos DM, Retinopathy of Prematurity, Aurora Sinai Hospital Presentation, Milwaukee WI, 06/2011  
Costakos DM, Development and Disruption of the Human Retina Assessed with High Resolution Imaging, CRI Research Conference, Milwaukee, WI, 12/2011  
Costakos DM, Research Frontier in Retinopathy of Prematurity, Children's Research Institute Conference, Milwaukee, WI, 10/2017

**Regional**

Costakos DM, A Day in the Life of a Pediatric Ophthalmologist, Wisconsin Family Practice Refresher Course, Pewaukee, WI, 02/2009  
Costakos, DM, The Eye in Neurofibromatosis, Neurofibromatosis Symposium, Children's Wisconsin, Milwaukee WI, 05/2009  
Costakos DM, Retinopathy of Prematurity update 2009, MCW Fall Symposium, Milwaukee, WI, 10/2009  
Costakos DM, Low Vision in Children, Presentation for Center for the Blind and Visually Impaired Children, Milwaukee, WI, 01/2010  
Costakos DM, Retinopathy of Prematurity, Milwaukee Ophthalmological Society, Milwaukee WI, 01/2010  
Costakos DM, Acute Red Eye, Wisconsin Family Practice Conference, Pewaukee, WI, 02/2010  
Costakos DM, Pediatric Application of Ocular Imaging, MCW Ophthalmology Fall Symposium, Milwaukee, WI, 11/2010  
Costakos DM, Retinopathy of Prematurity, WAPC Annual Statewide Perinatal Conference, Milwaukee, WI, 03/2011  
Costakos DM, Pediatric Cataracts: Diagnosis and Treatment, Wisconsin Academy of Ophthalmology Eye MD Symposium, Pewaukee, WI, 02/2012  
Costakos DM, Practice Changes in Pediatric Ophthalmology, MCW Ophthalmology Fall Symposium: Ophthalmology Innovation, Milwaukee, WI, 09/2012  
Costakos DM, ROP and Imaging, Midwest Pediatric Ophthalmology Symposium at Truhlsen Eye Institute, Omaha, NE, 03/2016  
Costakos DM, Retinopathy of Prematurity 2016, MCW Eye Institute 40 Anniversary Scientific Symposium, Milwaukee, WI, 10/2016

**National**

Costakos, DM, Acute Red Eye, When to Refer, MCW 46th Alumni Association Clinic Conference, Cape Coral, Florida, 02/2012  
Costakos, DM, Subclinical Macular Findings in Premature Infants, Essentials of Pediatric Imaging Conference, Duke University, 02/2013  
Costakos, DM, Cystoid Macular Edema in Infants requiring treatment for Retinopathy of Prematurity, Essentials of Pediatric Imaging Conference, Duke University, 02/2013  
Costakos DM, Martinez W, Ocular Trauma, 49th Annual Alumni Association Clinical Conference, Tucson, Arizona, 03/2015  
Costakos, DM, Pediatric and Young Adult Eye Findings that Suggest Systemic Disease, 49th Annual Alumni Association Clinical Conference, Tucson, Arizona, 03/2015  
Costakos, DM, Imaging in Retinopathy of Prematurity, Women in Ophthalmology Conference, Williamsburg,

Virginia, 08/2016  
 Costakos DM, Drack A, Trouboulis E, Utz V, AAPOS Genetic Task Force Workshop: Genetic Testing in Pediatric Ophthalmology, A Must or a Bust?, AAPOS National Meeting, Nashville, TN, 04/2017  
 Costakos, DM, Ocular Trauma, Northwestern Medical/Dental Association Annual Conference, Sun Valley, ID, 02/2018  
 Costakos DM, Drack AV, Brooks BP, et al, AAPOS Genetic Task Force Workshop: Does This patient Have a Genetic Eye Disease? Should I Refer?, AAPOS National Meeting and International Strabismological Association, Washington, DC, 03/2018  
 Chisholm SA, Costakos DM, Harris, GJ, Surgical Timing for congenital ptosis should not be predetermined solely by the presence of anisometropia., ASOPRS 4th Annual Fall Scientific Symposium, Chicago, Illinois, 10/2018  
 Costakos DM, Vogel R, Foveal Development in Retinopathy of Prematurity, ROP Hot Topics, Chicago, Illinois, 10/2018  
 Costakos DM, Drack AV, Levin AV, Lloyd IC, et al, Does This Patient have a Genetic Eye Disease? Should I Refer?, AAPOS National Meeting, San Diego, California, 03/2019  
 Costakos DM, Vogel R, Imaging Foveal Development in Retinopathy of Prematurity, 2019 Advances in Pediatric Retina, Salt Lake City, UT, 06/2019  
 Costakos DM, Drack Av, Levin AV, Lloyd IC, et al, Hiding in Plain Sight: Genetic Disorders in Routine Pediatric Practice., AAPOS National Meeting, Austin, Texas, 03/2020  
 Costakos DM, Leadership and Mentorship, Women in Ophthalmology Annual Conference, Virtual, 08/2020

#### **International**

Costakos, DM, Retinopathy of Prematurity, Ophthalmology Educational Conference, Rajkot, India, 01/2016

### **COMMITTEE SERVICE:**

#### **Medical College of Wisconsin**

1996 - 1998 Student Interviewer, Admissions Committee, Medical College of Wisconsin  
 1997 - 1998 Student Representative, Academic Standing Committee, Medical College of Wisconsin  
 2009 - 2017 Resident Education Committee, Medical College of Wisconsin  
 2012 - 2013 Co Chair, Class of 1998 MCW Reunion Committee, Medical College of Wisconsin  
 2019 - Present Clinical Chairs Committee, Ophthalmology, Medical College of Wisconsin

#### **Hospital**

2011 - Present Surgical Services Committee, Ophthalmology, Children's Wisconsin  
 2012 - Present Community Development Strategic Planning Committee, Ophthalmology, Eye Institute  
 2013 - Present Representative, Human Subjects Committee, Ophthalmology, Eye Institute  
 2014 - 2016 Surgical Services Peer Review Committee, Ophthalmology, Children's Wisconsin  
 2014 - Present Surgical Quality Improvement Committee, Ophthalmology, Medical College of Wisconsin  
 2017 Eye Institute Symposium Planning Committee, Ophthalmology, Medical College of Wisconsin  
 2019 - Present IT Clinical Systems Advisory Committee, Medical College of Wisconsin  
 2020 - Present Froedtert & MCW Finance and Operations Committee, Medical College of Wisconsin  
 2020 - Present Froedtert OR Branch Subcommittee, Ophthalmology, Froedtert Hospital

### **MEDICAL COLLEGE TEACHING ACTIVITIES:**

#### **Medical Student Education**

09/2006 - Present Instructor, M2 Ophthalmological Clinical Exam Teaching Session  
 03/2008 - Present Faculty Workshop Leader, Expressive Photography in Medical Humanities; Medical Humanities for Clinical Continuum  
 08/2011 - Present Clinical Pathways Instructor/Mentor

#### **Resident and Fellow Education**

01/2009 - Present Lecture series, Retinopathy of Prematurity, Pediatric Ophthalmology  
 04/2009 - Present Lecture Series, Amblyopia, Pediatric Ophthalmology  
 10/2009 - Present Lecture Series, Infantile Esotropia, Pediatric Ophthalmology  
 05/2010 - Present Lecture Series, Planning Strabismus Surgery, Pediatric Ophthalmology

11/2010 - Present Lecture Series, Ocular Genetics, Pediatric Ophthalmology  
03/2011 - Present Lecture Series, Exotropia, Pediatric Ophthalmology  
07/2011 - Present Lecture Series, Cataracts in Children, Pediatric Ophthalmology  
02/2012 - Present Lecture Series, Infantile Hemangioma, Pediatric Ophthalmology  
10/2012 - Present Lecture Series, Vision Screening, Pediatric Ophthalmology  
04/2013 - Present Lecture Series, Pediatric Diagnoses Not to Miss, Pediatric Ophthalmology  
01/2014 - Present Lecture Series, Non-accidental Trauma, Pediatric Ophthalmology  
04/2014 - Present Lecture Series, Ocular Trauma, Pediatric Ophthalmology

## **MCW STUDENTS, FACULTY, RESIDENTS AND CLINICAL/RESEARCH FELLOWS MENTORED:**

### **Medical Students**

James Murphy, Medical College of Wisconsin, 2010 - 2011 Clinical Advisor  
Derek Denney, Medical College of Wisconsin, 2011 - 2015 Clinical Pathways Advisor and Research Mentor, Career Placement  
Alana Trotter, Medical College of Wisconsin, 2015 - 2016 Clinical Research Advisor, Career Placement  
Oladipo Fagbemi, Medical College of Wisconsin, 2016 - 2018 Clinical Research Advisor  
Eleanor Kenny, Medical College of Wisconsin, 2016 - Present Clinical Research Advisor, Career Placement  
Katerina Tori, Medical College of Wisconsin, 2020 - Present Honor's and Research Advisor

### **Graduate Students**

#### **PhD**

Adam Dubis, Medical College of Wisconsin, 2009 - 2012, Thesis  
Erica Woertz, Medical College of Wisconsin, 2017 - 2020, Thesis

### **Clinical/Research Fellows**

Pooja Godara, Medical College of Wisconsin, 2008 - 2011 Clinical Research Mentor, Peer-Review Publications  
Ravi Singh, Medical College of Wisconsin, 2009 - 2011 Clinical Mentor ROP, Mentoring Plan  
Doug Covert, Medical College of Wisconsin, 2009 - 2010 Clinical Mentor ROP, Mentoring plan  
Rashmi Kapur, Medical College of Wisconsin, 2009 - 2011 Clinical Mentor ROP, Mentoring plan  
Dara Koozekanani, Medical College of Wisconsin, 2009 Clinical Mentor ROP, Mentoring plan  
Brian Larsen, Medical College of Wisconsin, 2010 - 2012 Clinical Mentorship ROP, Mentoring Plan  
Smith Ann Chisholm, Medical College of Wisconsin, 2016 - 2018 Fellowship Thesis, National Presentation

### **Residents**

K.C. LaMattina, Medical College of Wisconsin, 2008 - 2009 Clinical Advisor, National Presentation  
Michelle Sudyka Loichinger, Medical College of Wisconsin, 2009 - 2012 Clinical Research Advisor, Jack C Copeland Award  
Cristin Subramanian, Medical College of Wisconsin, 2010 - 2013 Clinical Research Advisor, Jack C. Copeland Award  
Peter Karth, Medical College of Wisconsin, 2011 - 2012 Clinical Research Advisor, National Presentations  
Patrick Hopen, Medical College of Wisconsin, 2011 - 2014 Faculty Advisor, Career Placement  
Namratha Turlipati, Medical College of Wisconsin, 2012 - 2015 Clinical Advisor and Research Mentor, Peer-Review Publications  
Holly Weis, Medical College of Wisconsin, 2012 - 2015 Quality Improvement Research Mentor, Quality Improvement  
Clinton Warren, Medical College of Wisconsin, 2013 - 2016 Clinical Research Mentor, Jack C Copeland Award 2015, Blankstein Award, 2015  
Ryan Vogel, Medical College of Wisconsin, 2014 - 2017 Research Mentor, Jack C. Copeland Award 2016, 2017, Blankstein Award 2016, 2017  
Kelly Laurenti, Medical College of Wisconsin, 2016 - 2018 Surgical Mentor, Research Mentor, MCWAH Award at AAPOS, 2018, India Mission  
Lynn Sun, Medical College of Wisconsin, 2017 - 2020 Resident and Research Mentor, Quality Improvement

Sapna Desai, Medical College of Wisconsin, 2017 - 2019 Research Mentor, Blankstein Award, 2019  
Gurdeep Jhaj, Medical College of Wisconsin, 2017 - 2019 Research Mentor, MCWAH Award. 2018

## **PROGRAMMATIC DEVELOPMENTS:**

### **Clinical Programs**

- 2010 - Present Retinopathy of Prematurity Program at 3 hospitals.ROP tracking, screening and treatment of infants at risk of ROP, with treatment in a timely manner, and outpatient follow up
- 2013 - 2015 Abusive Head Trauma Consult Service at Childrens Wisconsin
- 2016 - Present Diabetic Eye Disease Photoscreening at Childrens
- 2018 - 2019 Utilizing Electronic Medical Records to Standardize Handoffs in Ophthalmology at Childrens and Froedtert

## **COMMUNITY SERVICE ACTIVITIES:**

- 1993 - 1994 Isaac Cogg's Clinic - volunteer clinic for the underserved
- 01/2016 - 2016 Educational and Surgical Mission Devdaya Charitable Trust. Spent 2 weeks in India teaching, examining and operating with a resident for the underserved Wankaner, Gujarat India

## **CME PRESENTATION:**

- 01/2009 - Present Ophthalmology Grand Rounds Multiple Presentations Medical College of Wisconsin
- 01/2009 - Present Ophthalmology Resident Lecture Series Multiple Presentations Medical College of Wisconsin
- 01/2012 Cataracts in Infants and Children Pediatric Grand Rounds, Children's Wisconsin Medical College of Wisconsin
- 12/2012 The Who, How and Why of Vision Screening Pediatric Grand Rounds Children's Wisconsin Medical College of Wisconsin
- 10/2013 Allergic Conjunctivitis Update Allergy Grand Rounds, Children's Wisconsin Medical College of Wisconsin
- 09/2014 Consultations in Ophthalmology Pediatric Lecture Series Children's Wisconsin Medical College of Wisconsin
- 11/2016 Pediatric Diagnoses you do not want to miss. Pediatric Grand Rounds Children's Wisconsin Medical College of Wisconsin
- 11/2011 Allergic Conjunctivitis Allergy Grand Rounds, Medical College of Wisconsin
- 08/2016 Allergies and the Eye Pediatric Allergy Grand Rounds Children's Wisconsin Medical College of Wisconsin
- 07/2019 The Eye Exams for Pediatricians Pediatric Resident Lecture Series Children's Wisconsin Medical College of Wisconsin
- 11/2014 Ocular Trauma in Pediatrics Pediatric Emergency Grand Rounds Children's Wisconsin Medical College of Wisconsin
- 02/2014 Optic Pathway Gliomas Hematology-Oncology Grand Rounds, Children's Wisconsin Medical College of Wisconsin
- 03/2017 Retinopathy of Prematurity for Neonatology Neonatology Grand Rounds Children's Wisconsin Medical College of Wisconsin

## **BIBLIOGRAPHY**

### **Refereed Journal Publications/Original Papers**

1. N. Mandava, D. Costakos, H.M. Bartlett. Chronic Myelogenous Leukemia Manifested as Bilateral Proliferative Retinopathy. Archives in Ophthalmology, April, 123(4): 576-7, 2005.
2. D. Costakos, J. Bennett. Dural Fistulas. Current Treatment Options in Neurology, July; 3(4): 377-382, 2001
3. D. Costakos, S.H. Black, A. Dorfmann, P.N. Howard-Peebles, P. Robinson, J.D. Schulman. Chorionic Villus Sampling Mosaicism: Counseling Issues. Strategies in Genetic Counseling: Reproductive Genetics and

- New Technologies. March of Dimes, Birth Defects Foundation. Birth Defects: Original Articles Series 26:64-68, 1990. Platform presentation. National Society of Genetic Counselors, 1989, Baltimore, Maryland.
4. D. Bick, A. Maddalena, SR. Black, E.G. Headrick, E. Cummings, S.L. Jones, D. Costakos, R. Becker, J.D. Schulman. Letter to the Editor: Prenatal Screening for the AF508 Cystic Fibrosis Mutation in a Population Not Selected for Cystic Fibrosis. *The Lancet*, 336 (8726): 1324, 1990.
  5. D. Costakos, R. Best, R. Abramson, J. Edwards, W. Rizzo. Attitudes Toward Presymptomatic Testing and Prenatal Diagnosis for Adrenoleukodystrophy Among Affected Families. *American Journal of Medical Genetics*, 41(3):295-300, 1991.
  6. D. Costakos. CF Carrier Testing: New Opportunities. *Perspectives in Genetic Counseling*, Vol. 13, No. 4, Winter 199 1/92.
  7. Vogel RN, Strampe M, Fagbemi OE, Visotcky A, Tarima S, Carroll J, Costakos DM. Foveal Development in Infants Treated with Bevacizumab or Laser Photocoagulation for Retinopathy of Prematurity. *Ophthalmology*. 2018 Mar;125(3):444-452.
  8. Happ H, Weh E, Costakos D, Reis LM, Semina EV. Case report of homozygous deletion involving the first coding exons of GCNT2 isoforms A and B and part of the upstream region of TFAP2A in congenital cataract. *BMC Med Genet*. 2016 Sep 08;17(1):64. PMID: PMC5016880
  9. Costakos DM, Bennett JL. Dural Fistulas. *Curr Treat Options Neurol*. 2001 Jul;3(4):377-382.
  10. Reis LM, Tyler RC, Muheisen S, Raggio V, Salvati L, Han DP, Costakos D, Yonath H, Hall S, Power P, Semina EV. Whole exome sequencing in dominant cataract identifies a new causative factor, CRYBA2, and a variety of novel alleles in known genes. *Hum Genet*. 2013 Jul;132(7):761-70. PMID: PMC3683360
  11. Dubis AM, Costakos DM, Subramaniam CD, Godara P, Wirostko WJ, Carroll J, Provis JM. Evaluation of normal human foveal development using optical coherence tomography and histologic examination. *Arch Ophthalmol*. 2012 Oct;130(10):1291-300. PMID: PMC3724218
  12. Dubis AM, Subramaniam CD, Godara P, Carroll J, Costakos DM. Subclinical macular findings in infants screened for retinopathy of prematurity with spectral-domain optical coherence tomography. *Ophthalmology*. 2013 Aug;120(8):1665-71. PMID: PMC3737379
  13. Wilk MA, McAllister JT, Cooper RF, Dubis AM, Patitucci TN, Summerfelt P, Anderson JL, Stepien KE, Costakos DM, Connor TB Jr, Wirostko WJ, Chiang PW, Dubra A, Curcio CA, Brilliant MH, Summers CG, Carroll J. Relationship between foveal cone specialization and pit morphology in albinism. *Invest Ophthalmol Vis Sci*. 2014 May 20;55(7):4186-98. PMID: PMC4098060
  14. LaMattina KC, Wirostko WJ, Costakos DM. Bilateral Acute Retinal Necrosis with Concurrent Retinopathy of Prematurity in Two Neonates. *Ocul Immunol Inflamm*. 2016;24(1):115-7.
  15. Goldberg MR, Zakka FR, Carroll JJ, Costakos DM. ATTENUATION OF THE GANGLION CELL LAYER IN A PREMATURE INFANT REVEALED WITH HANDHELD SPECTRAL DOMAIN OPTICAL COHERENCE TOMOGRAPHY. *Retin Cases Brief Rep*. 2016;10(3):229-31. PMID: PMC4853294
  16. Reis LM, Tyler RC, Weh E, Hendee KE, Kariminejad A, Abdul-Rahman O, Ben-Omran T, Manning MA, Yesilyurt A, McCarty CA, Kitchner TE, Costakos D, Semina EV. Analysis of *CYP1B1* in pediatric and adult glaucoma and other ocular phenotypes. *Mol Vis*. 2016;22:1229-1238. PMID: PMC5070572
  17. Karth P, Singh R, Kim J, Costakos D. Bilateral central retinal artery occlusions in an infant with hyperhomocysteinemia. *J AAPOS*. 2012 Aug;16(4):398-400.
  18. Bee CR, Burris CKH, Potter HAD, Reddy D, Simons KB, Costakos DM. Histopathological analysis of retinopathy of prematurity after intravitreal bevacizumab. *J AAPOS*. 2017 Apr;21(2):159-160.
  19. Warren CC, Young JB, Goldberg MR, Connor TB, Kassem IS, Costakos DM. Findings in Persistent Retinopathy of Prematurity. *Ophthalmic Surg Lasers Imaging Retina*. 2018 Jul 01;49(7):497-503. PMID: PMC6196355
  20. Costakos DM, Vogel R, Carroll J. Reply. *Ophthalmology*. 2018 Aug;125(8):e57.
  21. Drack AV, Miraldi Utz V, Wang K, Alcorn DM, Brooks BP, Costakos DM, Couser NL, Heon E, Levin AV, Lloyd IC, Morse CL, Schmitt MA, Whitman MC, Traboulsi EI. Survey of practice patterns for the management of ophthalmic genetic disorders among AAPOS members: report by the AAPOS Genetic Eye Disease Task Force. *J AAPOS*. 2019 Aug;23(4):226-228.e1.
  22. Chisholm SAM, Costakos DM, Harris GJ. Surgical Timing for Congenital Ptosis Should Not Be Determined Solely by the Presence of Anisometropia. *Ophthalmic Plast Reconstr Surg*. 2019;35(4):374-377.
  23. Costakos DM. Eye Disorders Nelson Pediatric Symptom-Based Diagnosis. 24 April 2017:563-593.
  24. Mandava N, Costakos D, Bartlett HM. Chronic myelogenous leukemia manifested as bilateral proliferative

- retinopathy. *Arch Ophthalmol*. 2005 Apr;123(4):576-7.
25. Reis LM, Costakos D, Wheeler PG, Bardakjian T, Schneider A, Fung SSM, Semina EV. Dominant variants in PRR12 result in unilateral or bilateral complex microphthalmia *Clinical Genetics*. 2020.
  26. Litts KM, Woertz EN, Wynne N, Brooks BP, Chacon A, Connor TB, Costakos D, Dumitrescu A, Drack AV, Fishman GA, Hauswirth WW, Kay CN, Lam BL, Michaelides M, Pennesi ME, Stepien KE, Strul S, Summers CG, Carroll J. Examining whether aoslo-based foveal cone metrics in achromatopsia and albinism are representative of foveal cone structure *Translational Vision Science and Technology*. 2021;10(6).
  27. Low SWY, Connor TB, Kassem IS, Costakos DM, Chaurasia SS. Small leucine-rich proteoglycans (Slrps) in the retina *International Journal of Molecular Sciences*. 2 July 2021;22(14).
  28. Martin J, Kopplin L, Costakos D. Syphilitic interstitial keratitis treated with topical tacrolimus *American Journal of Ophthalmology Case Reports*. September 2021;23.
  29. Low SWY, Vaidya T, Gadde SGK, Mochi TB, Kumar D, Kassem IS, Costakos DM, Ahmad B, Sethu S, Ghosh A, Chaurasia SS. Decorin Concentrations in Aqueous Humor of Patients with Diabetic Retinopathy. *Life (Basel)*. 2021 Dec 17;11(12). PMID: PMC8707400
  30. Reis LM, Maheshwari M, Capasso J, Atilla H, Dudakova L, Thompson S, Zitano L, Lay-Son G, Lowry RB, Black J, Lee J, Shue A, Kremlikova Pourova R, Vaneckova M, Skalicka P, Jedlickova J, Trkova M, Williams B, Richard G, Bachman K, Seeley AH, Costakos D, Glaser TM, Levin AV, Liskova P, Murray JC, Semina EV. Axenfeld-Rieger syndrome: more than meets the eye. *J Med Genet*. 2023 Apr;60(4):368-379. PMID: PMC9912354
  31. Hwang ES, Kassem IS, Allozi R, Kravets S, Al-Kirwi KY, Hallak JA, Costakos DM. Association between myopia progression and quantity of laser treatment for retinopathy of prematurity. *PLoS One*. 2022;17(12):e0279898. PMID: PMC9803142
  32. Untaroiu A, Reis LM, Higgins BP, Walesa A, Zacharias S, Nikezic D, Costakos DM, Carroll J, Semina EV. In Vivo Assessment of Retinal Phenotypes in Axenfeld-Rieger Syndrome. *Invest Ophthalmol Vis Sci*. 2024 Apr 01;65(4):20. PMID: PMC11005067
  33. Woertz EN, Ayala GD, Wynne N, Tarima S, Zacharias S, Brilliant MH, Dunn TM, Costakos D, Summers CG, Strul S, Drack AV, Carroll J. Quantitative Foveal Structural Metrics as Predictors of Visual Acuity in Human Albinism. *Invest Ophthalmol Vis Sci*. 2024 Mar 05;65(3):3. PMID: PMC10916884

### **Books, Chapters, and Reviews**

1. Pediatric Retina. M.E. Hartnett, M. Trese, A. Capone, Jr., B.J.B. Keats, S.M. Steidl, editors. Lippincott, Williams & Wilkins 2005. Chapter 4 - Deborah Costakos and J. Bronwyn Bateman, Genetic Counseling for Retinal Diseases.
2. D.M. Costakos. Nelson Pediatric Symptom-Based Diagnosis Chapter 32, Eye Disorders . .

### **Abstracts**

1. D. Mehl-Costakos, R. Best, R. Abramson, J. Edwards, W. Rizzo. Survey of Attitudes Toward Presymptomatic Testing, Prenatal Diagnosis and Possible Therapy for Adrenoleukodystrophy and Adrenomyeloneuropathy. The American Society of Human Genetics, 1988, Abstract #674.
2. D.K. Kalousek, P.N. Howard-Peebles, I.J. Barrett, S.H. Black, J.D. Schulman, R.D. Wilson, D.M. Costakos, A. Dorfmann. Confirmation of CVS Mosaicism in Term Placentas and Correlation with Pregnancy Outcome. American Society of Human Genetics, 1990, Abstract #1098.
3. D.P. Bick, A. Maddalena, S.H. Black, D. Costakos, E. Cummings, S.L. Jones, E.G. Headrick. Pilot Study of Prenatal Screening for the AF508 Cystic Fibrosis (CF) Mutation in an Unselected Population. American Society of Human Genetics, 1990, Abstract #820.
4. D.M. Costakos, A.J. Khammar, D. Manchester, J.B. Bateman, C.J. Shea. Congenital Cataracts in Neu-Laxova Syndrome: Case Report. AAPOS, March, 2003.
5. A.M. Dubois, S.O. Hansen, D.M. Costakos, W.J. Wirosko, J. Carroll. Pediatric Retinal Imaging with SD-OCT. Optical Society of America: Fall Vision Meeting, 2011. *Journal of Vision*, 11(15):37,37a 2011