

Benjamin P. Nicholson, MD, MA

Curriculum Vitae

Education

Mayo Clinic, Rochester, MN

Clinical fellowship in vitreoretinal surgery, 2013-2015

National Eye Institute, National Institutes of Health, Bethesda, MD

Clinical fellowship in medical retina and uveitis, 2011-2013

Cleveland Clinic, Cleveland, OH

Residency in ophthalmology, 2008-2011

OKAP results: 99th, 93rd, and 94th percentiles

Saint Louis University Hospital, Saint Louis, MO

Internship in internal medicine, 2007-2008

Saint Louis University School of Medicine, Saint Louis, MO

MD, 2007

Washington University in Saint Louis, Saint Louis, MO

MA in Islamic Studies, 2005

Dartmouth College, Hanover, NH

BA in Biochemistry and Molecular Biology and Middle Eastern Studies, 2000

Parkway Central High School, Chesterfield, MO, 1996 graduate

Honors

Best of Posterior Segment Specialty Meetings, American Uveitis Society, 2013.

NEI Special Act Award, 2012.

NEI Incentive Award, 2012.

Cleveland Clinic Grand Rounds Quiz Award, 2011.

Cleveland Clinic OKAP Award, 2009.

Full scholarship for MA studies from Washington University in St. Louis, 2003-2005.

Howard Hughes Intern, 1999.

Dartmouth Alumni Fund Fellow, 1999-2000.

SBC Foundation Scholar, 1996-2000.

Clark Schmidt 1933 Memorial Scholar, 1999-2000.

Certification and Licensure

Diplomat, American Board of Ophthalmology

Passed USMLE Steps 1, 2 and 3

Licensed physician and surgeon in the states of Missouri and Minnesota

Publications

Nicholson BP, Nigam D, Toy B, Stetson PF, Agrón EA, Jacobs-EI N, Cunningham D, Cukras C, Wong WT, Wiley H, Chew EY, Ferris F, Meyerle CB. Effect of ranibizumab on high-speed indocyanine green angiography and minimum intensity projection optical coherence tomography findings in neovascular age-related macular degeneration. *Retina* 2015;35(1):58-68.

Nicholson BP, Zhou M, Rostamizadeh M, Mehta P, Agrón E, Wong WT, Wiley H, Nussenblatt R, Sen HN. Epidemiology of epiretinal membrane in a large cohort of patients with uveitis. *Ophthalmology* 2014;121(12):2393-8.

Nicholson BP, Bakri SJ. Silicone oil emulsification at the fovea as a reversible cause of vision loss. *JAMA Ophthalmology*, in press.

Huynh N, Nicholson BP, Agrón E, Clemons TE, Bressler SB, Rosenfeld PJ, Chew EY, and the AREDS2 Research Group. Visual acuity after cataract surgery in patients with age-related macular degeneration. Age-Related Eye Disease Study 2 Report No. 5. *Ophthalmology* 2014;121(6):1229-36

Nicholson BP, Nigam D, Miller D, Agrón E, Dalal M, Jacobs-EI N, da Rocha Lima B, Cunningham D, Nussenblatt R, Sen HN. Comparison of wide-field fluorescein angiography and 9-field montage angiography in uveitis. *Am J Ophthalmol* 2014;157(3):673-7.

Nicholson BP, Barkmeier AJ. Bevacizumab and diabetic vitrectomy. *Int Ophthalmol Clin* 2014;54(2):111-26.

Nicholson BP, Noble J, Forooghian F, Meyerle C. Central serous chorioretinopathy: update on pathophysiology and treatment. *Surv Ophthalmol* 2013;58(2):103-26.

Dalal M, Jacobs-EI N, Nicholson B, Tuo J, Chew E, Chan CC, Nussenblatt R, Ferris F, Meyerle C. Subconjunctival Palomid 529 in the treatment of neovascular age-related macular degeneration. *Graefes Arch Clin Exp Ophthalmol* 2013;251(12):2705-9.

Nicholson BP, Singh RP, Sears JE, Lowder CY, Kaiser PK. Evaluation of fluocinolone acetonide sustained release implant (Retisert) dissociation during implant removal/exchange surgery. *Am J Ophthalmol* 2012;154(6):969-973.

Nicholson BP, De Alba M, Perry JD, Traboulsi EI. Efficacy of the intraoperative relaxed muscle positioning technique in thyroid eye disease and analysis of cases requiring re-operation. *JAAPOS* 2011;15:321-325.

Nicholson BP, Ahmad B, Sears JE. Congenital optic nerve malformations. *Int Ophthalmol Clin* 2011;51(1):49-76.

Nicholson BP, Singh AD. A new choroidal lesion. *Advanced Ocular Care* July/August 2010.

Nicholson BP, Schachat AP. A review of clinical trials of anti-VEGF agents for diabetic retinopathy. *Graefes Arch Clin Exp Ophthalmol* 2010;248:915-30.

Barkmeier AJ, Nicholson BP, Akduman L. Effectiveness of laser photocoagulation in clinically significant macular edema with focal versus diffuse parafoveal thickening on optical coherence tomography. *Ophthalmic Surg Lasers Imaging* 2009;40:472-9.

Nicholson BP, Lystad LD, Emch TM, Singh AD. Idiopathic dural optic nerve sheath calcification. *Br J Ophthalmol* 2011;95:290, 299.

Submitted Papers

Protein aggregation analysis of intravitreal bevacizumab with analytical ultracentrifugation and dynamic light scattering in an eye clinic with an on-site pharmacy.

Central serous chorioretinopathy and glucocorticoids: an update on evidence for association.

Chapters

Nicholson BP, Prasad AS, Chew EY (2014). Ch. 37: Zinc deficiency and the eye. In *The Handbook of Nutrition, Diet, the Eye and Vision*. VR Preedy (Ed). Oxford: Academic Press.

Nicholson BP, Chew EY (2014). Clinical trials in non-neovascular age-related macular degeneration. In *Evidence-Based Eye Care, Second Edition*. PJ Kertest and TM Johnson (Eds). Philadelphia: Wolters Kluwer Health.

Nicholson BP, Cukras C, Chew EY (2013). Ch. 26: Prophylactic treatment: the AREDS study results. In *Age-related macular degeneration, 3rd Edition*. JI Lim (Ed). Boca Raton: CRC Press/Taylor & Francis Group.

Nicholson BP, Traboulsi EI (2012). Connective tissue and cutaneous disorders. In *Pediatric Ophthalmology and Strabismus, 3rd Edition*. K Wright (Ed). Oxford: Oxford University Press.

Abstracts

Nicholson BP, Ali Idris A, Bakri SJ. Central Serous Chorioretinopathy: Clinical Characteristics Associated with Visual Outcomes. ARVO poster 2015.

Nicholson BP, Huynh N, Agrón E, Clemons TE, Chew EY. Visual acuity outcomes after cataract surgery in patients with age-related macular degeneration in the Age-Related Eye Disease Study 2 (AREDS2). ARVO poster 2013.

Nicholson BP, Dalal M, Smith W, Jacobs-EI N, Wiley H, Sen HN. Epiretinal membrane in uveitis: SD-OCT characteristics and a classification system. ARVO poster 2012.

Miller DD, Nicholson BP, Dalal M, Smith W, Jacobs-EI N, Sen HN. Ultra-wide-field angiography improves detection of uveitic retinal vascular retinopathy. ARVO poster 2012.

Smith WM, Meleth AD, Al-Mohtaseb Z, Dalal M, Nicholson BP, Jacobs-EI N, Larson TA, Krishnadev N, Nussenblatt RB, Sen HN. Spectral domain OCT and autofluorescence in active posterior uveitis. ARVO poster 2012.

Dalal MD, Fahle G, Smith WM, Nicholson BP, Jacobs-EI N, Sen HN, Nussenblatt RB. Clinical utility of polymerase chain reaction of ocular fluid in uveitis patients. ARVO poster 2012.

Zhou M, Nigam D, Nicholson BP, Jeffrey B, Wong W, Agron E, Chew E. Retinal sensitivity in areas of reticular drusen. ARVO poster 2012.

Neravetla S, Dave V, Tyagi M, Nicholson B, Narayanan R. Long term natural history of idiopathic macular telangiectasia. American Society of Retinal Specialists Meeting 2011.

Nicholson BP, Singh RP, Sears JE, Lowder CY, Kaiser PK. Evaluation of fluocinolone acetonide implant (Retisert™) dislocation during implant removal/exchange surgery. ARVO poster 2011.

Nicholson BP, DeAlba M, Perry JD, Traboulsi EI. Strabismus surgery in thyroid eye disease patients. ARVO poster 2010.

Nicholson BP, Sears JE. Outcomes after trans-scleral sutured intraocular lens placement in children. ARVO poster 2009.

Barkmeier AJ, Nicholson BP, Akduman L. Effectiveness of modified grid laser photocoagulation in focal vs. diffuse diabetic macular edema. ARVO poster 2007.

Presentations

Wide-Field Fluorescein Angiography and Nine-Field Montage Angiography in Uveitis, Best of Posterior Segment Specialty Meetings, American Academy of Ophthalmology Annual Meeting, November 2013, New Orleans.

Comparison of Wide-Field Fluorescein Angiography and Nine-Field Montage Angiography in Uveitis, American Uveitis Society, May 2013, Seattle.

Reticular Drusen: Natural History and Effect on Retinal Function, National Eye Institute Focus on Fellows, October 2012, Bethesda.

Current Research

Risk factors and outcomes in central serous chorioretinopathy.

Quality metrics and outcomes of retinal detachment surgery.

An optical coherence tomography-based grading system for epiretinal membrane in uveitis.

Inner retinal hyper-reflectivity in uveitis: a precursor of epiretinal membrane?

A longitudinal study of epiretinal membrane in uveitis.

Treatment of severe ocular VHL disease with the novel oral multi-kinase VEGFR/PDGFR inhibitor X-82.

Intravitreal treatment of severe ocular VHL disease using a combination of the PDGF antagonist E10030 and the VEGF antagonist ranibizumab.

Professional Memberships

The Association for Research in Vision and Ophthalmology

The American Academy of Ophthalmology

Christian Medical and Dental Association

Other Work Experience

Apprentice Teacher, Department of Jewish, Islamic, and Near Eastern Studies and the Department of Religious Studies at Washington University in St. Louis, 2003-2005

Teacher of English as a Foreign Language, The American Language Center in Damascus, Syria, 2000-2001

Howard Hughes Intern, the laboratory of Dr. Charles Barlowe at Dartmouth Medical School, 1999-2000

Apprentice Teacher, Department of Asian and Middle Eastern Languages at Dartmouth College, 1998-1999

Research Assistant, the laboratory of Dr. William North at Dartmouth Medical School, 1998

Lands and Minerals Assistant, US Forest Service branch office in Walden, CO, 1997

Research Assistant, the laboratory of Dr. Augustus Demaggio at Dartmouth College, 1996-1997