

Karyn Elizabeth Bourke, M.D.
Vitreoretinal Surgeon
Four Corners Eye Clinic
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EDUCATION

<u>Years</u>	<u>Degree</u>	<u>Institution</u>
1996-2000	AB	Princeton University (Ecology & Evolutionary Biology) Princeton University, NJ
2001-2005	MD	Medical College of Georgia, School of Medicine (Medicine) Augusta, GA
2005-2006	Intern	University of Utah Hospitals and Clinics (Internal Medicine) Salt Lake City, UT
2006-2009	Resident	University of Utah Hospitals and Clinics (Ophthalmology) John A. Moran Eye Center, Salt Lake City, UT
2009-2011	Fellow	University of Utah Hospitals and Clinics (Vitreoretinal Surgery) John A. Moran Eye Center, Salt Lake City, UT

CURRENT LICENSES/CERTIFICATIONS

2010-2020	Board Certified, American Board of Ophthalmology
Current	Colorado State Medical License
Current	DEA/Controlled Substance

PROFESSIONAL EXPERIENCE

2000-2001	Surveillance Epidemiologist: Assisted Dr. Paul Mead and the Outbreak Response and Surveillance Unit of the Epidemiology Section of the Foodborne and Diarrheal Diseases Branch, Division of Bacterial and Mycotic Diseases, National Center for Infectious Diseases, Center for Disease Control and Prevention (CDC).
2003	<i>Advanced Vision</i> , Medical Student: Obtained histories and physicals on patients, and assisted evaluations, procedures, and surgeries with ophthalmologists Drs. Thomas Edwards and Kris Gillian. Atlanta, GA

- 2011-2014 Vitreoretinal Surgeon, **Retina Care Center**: Provided clinical care in 3 locations - Medford and Grants Pass, OR and Mount Shasta, CA - and surgical care at Ashland Community Hospital.
- 2014- Vitreoretinal Surgeon, Four Corners Eye Clinic: Managing diseases and conditions such as ARMD, diabetic retinopathy, posterior uveitis, trauma, central serous chorioretinopathy, epiretinal membrane, cystoid macular edema and retinal tears or detachments, among other diagnoses.

SCHOLASTIC HONORS

- 2000 Sigma Xi Society, The Scientific Research Society - Elected after receiving honors on senior thesis, "Verifying the Effects of Alterations in the Global Carbon Cycle: A Search to Eliminate Uncertainty"
- 2005 Alpha Omega Alpha Honor Medical Society

UNIVERSITY COMMITTEES

- 2007 Resident Representative, Residency Selection Committee, John A. Moran Eye Center
- 2008-2009 Academic Committee, John A. Moran Eye Center
- 2008-2009 Library Committee, John A. Moran Eye Center

COMMUNITY ACTIVITIES

- 2006-2011 Maliheh Free Clinic, Salt Lake City, UT.
Staffed a Saturday eye clinic for the uninsured alongside two community ophthalmologists.
- 2007-2008 Fourth Street Clinic, Salt Lake City, UT.
Volunteered at an eye clinic for the homeless with other ophthalmology residents at the Moran Eye Center.

CURRENT MEMBERSHIPS IN PROFESSIONAL SOCIETIES

American Society of Retinal Specialists
Alpha Omega Alpha
American Academy of Ophthalmology
American Medical Association

PRESENTATIONS

Continuing Medical Education (Medford, Oregon)

- 2011 "What Lies Beyond?: An Exploration of Peripheral Retinal Findings."

Clinical Faculty Day (Research Project Presentation)

- 2009 Fish Oil Supplementation in Patients with Autosomal Dominant Stargardt Macular Dystrophy (STGD3), Moran Eye Center, Salt Lake City, Utah

Resident Alumni Day (Research Project Presentations)

- 2007 Intraocular lens implantation and visual axis opacification: a chart review of cataract surgery in children up to 3 years old (Primary Children's Medical Center, Salt Lake City, UT)
- 2008 Unique Clinical Expression of North Carolina Macular Dystrophy in a Large Utah Family
- 2009 Triple Therapy for Exudative Age-Related Macular Degeneration: Ranibizumab (Lucentis), Photodynamic Therapy, Dexamethasone

Grand Rounds at John A. Moran Eye Center, University of Utah

- 2006 Obstructive Sleep Apnea and the Optic Nerve
- 2007 Fuchs: then and now, including a review of DSAEK for Fuchs endothelial dystrophy
- 2007 Cystoid macular edema & topical nonsteroidal anti-inflammatories in pseudophakic patients
- 2008 Autofluorescence and White Dot Syndromes
- 2009 Sustainable Effort to Treat Childhood Vision Loss in Kumasi, Ghana at Komfo Anokye Teaching Hospital
- 2010 A Unique Presentation of Ocular Syphilis and a Review of Ocular Manifestations in AIDS

JOURNAL ARTICLES

1. Khurana RN, Bourke KE, Sun X, Pearson E, Yang Z, Harmon J, Goldberg MF, Zhang K, "A reappraisal of the clinical spectrum of North Carolina macular dystrophy." *Ophthalmology* 2009 Oct;116(10):1976-83. *Details of authorship upon request.
2. Bourke K, Patel MR, Prisant LM, Marcus DM, "Hypertensive Choroidopathy," *J Clin Hypertens* 2004 August;6(8):471-472.
3. Bourke K. "Nutrition and the Retina," Southern Oregon Magazine 2012

CLINICAL RESEARCH

1. Sub-Investigator, Diabetic Retinopathy Study sponsored by Genentech and in conjunction with Primary Care (no details at this time)
2. Primary Sub-Investigator for Phase I Open Label Trial of Intravitreal Injection to treat Optic Nerve Atrophy and Acute NAION
3. Sub-Investigator for Regeneron VEGF Trap-Eye Study (now Eylea)

UNPUBLISHED POSTER/PAPER PRESENTATIONS

1. Bourke K, Mifflin M. "Phototherapeutic keratoplasty for granular dystrophy," for Advanced Medical Optics Resident Writers Program, 2008. Award winner: Honorable Mention at American Academy of Ophthalmology Meeting, Atlanta, 2008.
2. Bourke K, Zhao Y, Baird J, Bernstein P, Yang Z, Zhang K, "Clinical and genetic study of X-linked cone dystrophy," Poster presentation at Association of Research in Vision and Ophthalmology (ARVO) Conference in Ft. Lauderdale, FL, May 2006.
3. Abadir A, Ahmed I, Bourke K, Crandall A, Khan B, Kumar R, Masket S,

Vold S, "Comparison of scleral-sutured and iris-sutured repositioning for intraocular lens dislocation." Paper #0189 presented at the Canadian Ophthalmological Society Annual Meeting, Montreal, Canada, 2007.

INTERNATIONAL EXPERIENCE

- 2008 Tilganga Eye Hospital in Khatmandu, Nepal
Participated in clinic and surgery on the Retina service. Traveled with a team to Dhading for a 1-week outreach cataract camp. I helped build the operating theater, organize the patients, perform surgery and evaluate post-ops. Duration of 1 month.
- 2009 Komfo Anokye Teaching Hospital in Kumasi, Ghana
Traveled with a team from Moran Eye Center with the mission of establishing sustainable pediatric eye care. Duration of 2 weeks.
- 2009 Assisted in the teaching of a visiting physician from Ghana in order to help him provide retinal subspecialty care at Komfo Anokye Teaching Hospital. Duration of 3 months.
- 2011 Returned to Ghana to further establish retinal subspecialty care, with daily didactic and clinical teaching, including laser surgery within the clinic. Primary focus on panretinal photocoagulation with the hope of preventing blindness in patients with proliferative sickle cell retinopathy or diabetic retinopathy. Future plans may include teaching vitrectomy. Duration of 2 weeks.