

CURRICULUM VITAE

Jasleen K. Singh, M.D.

Assistant Professor
Department of Ophthalmology
University of Colorado School of Medicine
UCHealth Eye Center
Children's Hospital Colorado
13123 E. 16th Avenue, B430
Aurora, CO 80045

Appointments: 720-777-2020

PREDOCTORAL EDUCATION:

Pre-medical: Northwestern University, (2000-2004) Bachelor of Science: Biomedical Engineering
Medical: Medical College of Georgia, Augusta, GA (2004-2008)

POSTDOCTORAL TRAINING:

Internship: Presbyterian St. Luke's, Denver, CO (2008-2009)
Ophthalmology Residency: Northwestern University, Dept. of Ophthalmology, Chicago, IL (2009-2012)
Pediatric Ophthalmology Fellowship: University of Michigan, Kellogg Eye Center, Ann Arbor, MI (2012-2013)

MEDICAL SCHOOL APPOINTMENTS:

2013- Assistant Professor of Ophthalmology, University of Colorado, Denver, CO

HOSPITAL STAFF MEMBERSHIPS:

2013 - University of Colorado Hospital, Aurora, CO
Children's Hospital Colorado, Aurora, CO
Denver Health Medical Center, Denver, CO
Veteran's Administration Hospital, Denver, CO

SPECIALTY BOARD CERTIFICATION:

Certified by the American Board of Ophthalmology-2013

PROFESSIONAL/ COMMUNITY SOCIETIES:

American Academy of Ophthalmology
American Association for Pediatric Ophthalmology and Strabismus
Young Ophthalmologist Committee
Colorado Society of Eye Physicians and Surgeons
Board of Directors
Treasurer 2017
Association of University Professors of Ophthalmology
American Journal of Pediatric Ophthalmology and Strabismus-Review Panel

HONORS AND AWARDS:

LICENSES:

Colorado Medical License: MD 0052770
Michigan Medical License 4301100017

COMMUNITY SERVICE/VOLUNTEER ACTIVITIES

Student Sight Savers Program, August, GA (2004-2006)
Northwestern Alumni Admission Council Interviewer (2005-2006)
DAWN Clinic Ophthalmology Attending Supervisor (2016-present)

ADMINISTRATIVE APPOINTMENTS/DEPARTMENT OF OPHTHALMOLOGY:

2013-Resident Selection Committee
2013-Mock Orals Committee
2014-Teaching Scholars Program
2016-Medical Student Co-Director
2016-Resident Director for Pediatric Ophthalmology

GRANTS:

1. Enhancing Education Grant, Undergraduate Medical Education. University of Colorado Denver. Ophthalmology education for third-year medical students. (2014, 2015)

PUBLICATIONS:

1. Grovender EA, Kellogg B, **Singh**, Blom, Ploegh D, Wittrup R, Ameer Langer and GA. Single-Chain Antibody Fragment-Based Adsorbent for the Extracorporeal Removal of Microglobulin from Blood. *Kidney International*. 2004;65:310-22.
2. Lott MD, Fuller JJ, Hancock HA, **Singh J**, Singh H, McGwin G, Marcus DM, Vitreal Penetration of Oral Moxifloxacin in Humans. *Retina*. 2008 Mar;28(3):473-6.
3. Lott MN, Manning MH, **Singh J**, Zhang H, Singh H, Marcus DM. 23-gauge Vitrectomy in 100 Eyes: Short-term Visual Outcomes and Complications. *Retina*. 2008 Oct; 28(9):1193-200.
4. Marcus DM, Singh H, Lott MN, **Singh J**, Marcus M. Intravitreal Ranibizumab for Polypoidal Choroidal Vasculopathy in Non-Asian Patients. *Retina*. 2012 Sep 17, Epub.
5. **Singh J**. Strabismus. CDS: Pediatrics. 2016 Apr, Epub.
6. Palestine AG, **Singh JK**, and Ozzello DJ. Specialty practice and cost considerations in the management of uveitis associated with Juvenile idiopathic arthritis." *J Pediatr Ophthalmol Strabismus*. 2016. Jul 1;53(4):246-251. Pubmed PMID: 27182746
7. 2. **Singh J**, Choi CS, Bahl R, Archer SM. Partial tendon recession for small-angle vertical strabismus. *JAAPOS*. 2016 Oct;20(5):392-395. Pubmed PMID: 27647113

ABSTRACTS/POSTERS:

1. Patel N, **Singh J**, Dudley VJ, Mathura, Jr JR. APJ Receptor Upregulated Under Hypoxic Stress in the Rat Muller Cell. Association of Research in Vision and Ophthalmology (ARVO). Ft. Lauderdale, May 2006.
2. Lott MN, **Singh J**, Singh H, Bartoli M, Marcus DM. Treatment of Polypoidal Choroidal Vasculopathy with Ranibizumab (Lucentis): A Phase I/II Safety Study. Association of Research in Vision and Ophthalmology (ARVO), Ft. Lauderdale, FL May 2007.
3. Manning Jr, M, Marcus DM, **Singh J**, Singh H. 23-Gauge Vitrectomy: Visual Outcomes and Complications in 100 Eyes. Association of Research in Vision and Ophthalmology (ARVO). Ft. Lauderdale, FL May 2007.
4. **Singh J**, Lott M, Singh H, Fuller J, Hancock H, McGwin G, Marcus DM. Vitreal Penetration of Oral Moxifloxacin in Humans. Association of Research in Vision and Ophthalmology (ARVO). Ft. Lauderdale, FL May 2007.
5. Marcus DM, Singh H, Lott MN, **Singh J**, Marcus M. Ranibizuman (Lucentis) for Polypoidal Choroidal Vasculopathy. American Academy of Ophthalmology Annual Meeting Poster Presentation. San Francisco, CA. October 2009.
6. **Singh J**, Gill M, et al. Outcomes of Pneumatic Retinopexy at Northwestern University. Northwestern University Annual Vision Research Day. Chicago, IL. June 2011.
7. **Singh J**, Kiseau Y, et al. True Strabismus Following the Diagnosis of Pseudostrabismus. Northwestern University Annual Vision Research Day. Chicago, IL June 2012.
8. **Singh J**, Cerda A, Wagner B, McCourt EA, Cau J, Jung JL, Braverman RS, Enzenauer RW, Lynch A. Risk of retinopathy of prematurity in singletons versus twins in a Colorado cohort. Association for Research in Vision and Ophthalmology Annual Meeting, Denver, CO. May 2015.
9. **Singh J**. Evaluation of an ophthalmology session for third-year medical students at University of Colorado. Association of University Professors in Ophthalmology, Annual Meeting. Ft. Lauderdale, FL. January 2016.
10. **Singh J**. Evaluation of an ophthalmology session for third-year medical students at University of Colorado. Education Scholarship and Innovation Symposium. Aurora, CO 2016.
11. **Singh J**, Lynch A, Wagner B, Cerda A, Cao J, Wymore E, Jung J, Enzenauer E, Braverman R, McCourt E. Validation of the Colorado Retinopathy of Prematurity model for detecting ROP in an expanded Colorado Cohort. American Association of Pediatric Ophthalmology and Strabismus. Vancouver, Canada 2016.

PRESENTATIONS:

1. Neuromyelitis Optica. **Singh J**. Grand Rounds, Northwestern University, Chicago, IL. August 13, 2009.
2. Scleritis. **Singh J**. Grand Rounds, Northwestern University, Chicago, IL. September 11, 2009.
3. CMV Anterior Uveitis and DSAEK Graft Rejection. **Singh J**. Grand Rounds, Northwestern University, Chicago, IL, January 29, 2010.
4. Posner-Schlossman Syndrome, **Singh J**. Grand Rounds, Northwestern University, Chicago, IL, February 12, 2010.

5. Cavernous Sinus Thrombosis. **Singh J**, Grand Rounds, Northwestern University, March 10, 2010.
6. Ocular Cystinosis, **Singh J**, Grand Rounds. Children's Memorial Hospital, Chicago, IL, June 4, 2010.
7. Descemetocoele Repair, **Singh J**, Grand Rounds, Northwestern University, Chicago, IL, August 13, 2010.
8. Uveitic Glaucoma from Sarcoidosis, **Singh J**, Grand Rounds, Northwestern University, Chicago, IL, September 9, 2010.
9. Best Disease, **Singh J**, Grand Rounds, Northwestern University, Chicago, IL, November 5, 2010.
10. Nocardia Endophthalmitis, **Singh J**. Rabb Retina Society, Chicago, IL, November 10, 2010.
11. Skin Exfoliation with Cataract Draping, **Singh J**, Morbidity and Mortality Conference, Northwestern University, Chicago, IL, July 1, 2011.
12. Complications of Retrobulbar Block. **Singh J**, Morbidity and Mortality Conference, Northwestern University, Chicago, IL, July 1, 2011.
13. Suprachoroidal Hemorrhage during Phacoemulsification., **Singh J**, Morbidity and Mortality Conference, Northwestern University, Chicago, IL, September 2, 2011.
14. Optic Nerve Sheath Meningioma, **Singh J**. Grand Rounds, Northwestern University, Chicago, IL, May 24, 2012.
15. Chief Evening Report Lecture Series, **Singh J**, August 2011-January 2012.
16. Ocular Cystinosis, **Singh J**, Medical University of South Carolina, February 2013
17. Duane Syndrome Case Presentation, **Singh J**, Midwest Pediatric Ophthalmology Symposium, Children's Hospital of Michigan, May 3, 2013
18. Small Angle Hyperdeviations, **Singh J**, Grand Rounds, University of Michigan Kellogg Eye Center, July 2013.
19. Ocular Cystinosis, **Singh J**, University of Colorado Annual Symposium, October 2013
20. Strabismus and Refractive Surgery, **Singh J**. University of Colorado Annual Symposium, Sept 2014.
21. Thyroid Eye disease and Strabismus, **Singh J**. Post-Graduate Institute of Medical Education and Research. Grand Rounds in Department of Ophthalmology. Chandigarh, India. November, 2014.
22. Strabismus and Refractive Surgery, **Singh J**. Post-Graduate Institute of Medical Education and Research. Grand Rounds in Department of Ophthalmology. Chandigarh, India. November, 2014.
23. Eye Healthcare in India, **Singh J**. American Academy of Certified Orthoptists Regional Meeting, Denver, CO. May 2015.
24. Strabismus and Refractive Surgery, **Singh J**. American Academy of Certified Orthoptists Regional Meeting, Denver, CO. May 2015.
25. Neuroimaging in Pediatric Ophthalmology Workshop. **Singh J**, McCourt EA, Jung J, Maloney, J, Braverman R. American Academy of Ophthalmology. Las Vegas, NV. November 2015.
26. Career Path as a Medical Student Educator, **Singh J**. Heed Foundation Resident Retreat. Chicago, IL. September 2015, 2016.
27. Ocular Manifestations of Marfan Syndrome, **Singh J**. 2nd Annual Colorado Symposium on Marfan Syndrome & Related Disorders. Aurora Colorado. October 2016.

28. Neuroimaging in Pediatric Ophthalmology Workshop. **Singh J**, McCourt EA, Jung J, Maloney, J, Braverman R. American Academy of Ophthalmology. Chicago, IL. October 2016.

BASIC SCIENCE COURSES:

1. Oculomotor Nerve Palsies, University of Michigan Kellogg Eye Center, June 17, 2013.
2. Retinopathy of Prematurity for Pediatric Residents, September 27, 2013
3. Vertical Deviations, University of Colorado-Denver. 2013, 2014, 2017
4. Pediatric Ophthalmology and Strabismus OKAP Review, University of Colorado-Denver. March 2015, 2016, 2017
5. Optics OKAP Review, University of Colorado-Denver. March 2015, 2016, 2017
6. Osler Course Instructor for Oral Boards-Pediatric Ophthalmology. June 4-6, 2014.
7. Optics, University of Colorado-Denver. 2014, 2015, 2016, 2017
8. Pediatric Ocular Trauma for ER fellows, Sept 9, 2014 and Oct 28, 2014.
9. Medical Student Ophthalmology weekly didactics, Oct 27, 2014 to present
10. Adult and Pediatric Ophthalmology. Denver Health Med-Peds Resident Didactics. May 19, 2016.
11. Biology of the Eye. Course Director and Speaker. Phase 2 Elective for the Fall Semester, 2016.
12. Ophthalmology for the Family Medicine Physician, Singh J. Rose Medical Center-Family Medicine Resident Didactics. Denver, Colorado. January 4, 2017.

RESEARCH/CURRENT IRB APPROVALS:

- Design of Single Chain-Variable Region Antibody Fragments for Immunoabsorption, Undergraduate Student Researcher, Biomedical Engineering, Northwestern University, Evanston, IL. PI: Dr. Guillermo Ameer. September 2002-June 2003.
- Analysis of APJ Receptor of Muller Cells, Medical Student Research Internship, Department of Ophthalmology, Northwestern University, Chicago, IL. PI: Dr. Jeevan Mathura, June 2005-July 2005.
- Vitreal Penetration of Oral Moxifloxacin in Humans, Medical Student Research Assistant, Southeast Retina Center, Augusta, GA. PI: Dr. Dennis Marcus, August 2005-June 2008.
- Treatment of Polypoidal Choroidal Vasculopathy with Ranibizumab, Medical Student Research Assistant, Southeast Retina Center, Augusta, GA. PI: Dr. Dennis Marcus, August 2005-June 2008.
- 23-Gauge Vitrectomy Outcomes and Complications, Medical Student Research Assistant, Southeast Retina Center, Augusta, GA. PI: Dr. Dennis Marcus, August 2005-June 2008.
- Outcomes of Pneumatic Retinopexy at Northwestern University, Department of Ophthalmology, Northwestern University, Chicago, IL, PI: Dr. Manjot Gill, July 2010.
- Macular and Retinal Nerve Fiber Layer Thickness in Children with Unilateral Amblyopia Measured by Spectral Domain Optical Coherence Tomography,

Department of Ophthalmology, Children's Memorial Hospital, Chicago, IL. PI: Dr. Yana Kiseau, Sept. 2011-July 2012.

- True Strabismus Following Diagnosis of Pseudostrabismus, Department of Ophthalmology, Ann and Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, March 2012-July 2012.
- Partial Tendon Recession for small angle deviations, Department of Ophthalmology, Kellogg Eye Center, Ann Arbor, MI, 2013.
- Pediatric Cataract Surgery Outcomes Registry, Pediatric Eye Disease Investigation Group. Department of Ophthalmology, University of Colorado-Denver, Aurora, Co. Jan 2013-current.
- Colorado Retinopathy of Prematurity Research Group. Department of Ophthalmology, University of Colorado-Denver, Aurora, Co. June 2014-present.
- Characterization and Management of Dacryocystocele and dacryocystitis at Children's Hospital Colorado. University of Colorado-Denver, Aurora, Co. Dec 2016-present.