

CURRICULUM VITAE

Rebecca Sands Braverman, M.D.

PREDOCTORAL EDUCATION:

Pre-medical: Albion College, Albion MI (1985-1988) Biology
Medical: Wayne State University, Detroit MI (1989-1993)

POSTDOCTORAL TRAINING:

Surgical Internship: Naval Medical Center, San Diego, CA (1993-1994)
Ophthalmology Residency: University of Florida, Gainesville, FL (1999-2002)
Pediatric Ophthalmology Fellowship: Emory University, Atlanta, GA (2002-2003) Arlene Drack M.D. /Amy Hutchinson M.D.

SPECIALTY BOARD CERTIFICATION:

2003 Diplomat, American Board of Ophthalmology

MEDICAL SCHOOL APPOINTMENTS:

2003 - Assistant Professor of Ophthalmology, University of Colorado, Denver, CO

HOSPITAL STAFF MEMBERSHIPS:

2003 - University of Colorado Hospital, Denver, CO
The Children's Hospital, Aurora, CO
Denver Health Medical Center, Denver, CO
Veteran's Administration Hospital, Denver, CO

ADMINISTRATIVE APPOINTMENTS/DEPARTMENT OF OPHTHALMOLOGY:

2003 - Clinical Faculty Promotions Committee, Department of Ophthalmology
2003 - Residency Selection Committee, Department of Ophthalmology
2003 - Clinical Committee, Department of Ophthalmology
2003 - Quality Assurance Committee, Department of Ophthalmology
2004 - Chair, Basic Science Course Committee, Department of Ophthalmology
2008 - Member, Medical Board of The Children's Hospital, Aurora, CO

HONORARY SOCIETIES:

1988 Phi Beta Kappa

PROFESSIONAL/ COMMUNITY SOCIETIES:

American Academy of Ophthalmology
American Association for Pediatric Ophthalmology and Strabismus

LICENSES:

Colorado Medical License #DR-41891

ADMINISTRATION/UNIVERSITY SERVICE:

2003- Department of Ophthalmology Clinical Committee
2003- Department of Ophthalmology Residency Selection Committee
2003- Pediatric Ophthalmology Fellowship Committee
2004- Chair, Department of Ophthalmology Basic Science Course Committee

COMMUNITY SERVICE/VOLUNTEER ACTIVITIES

Volunteer - Medical Clinics for the 22nd annual SOFT (Support Organization for Trisomy 18, 13 and related disorders) International Conference, The Children's Hospital, Denver, CO, July 24, 2008. Performed complete eye examinations on children with Trisomy 13, 18 and related disorders.

PUBLICATIONS:

1. Monshizadeh R, **Sands RE**, Lara WC, Driebe W. Isolated anterior uveitis as the initial sign of systemic Candidemia. *Arch Ophthalmol* 2003;121:137-138.
2. **Sands RE**, Drack A, Eisenbaum AM. "Eye" in Current Pediatric Diagnosis & Treatment 17th edition, McGraw Hill, Inc. Columbus, OH, 2004.
3. **Sands RE**. "Eye" in Current Pediatric Diagnosis & Treatment 18th edition, McGraw Hill, Inc. Columbus, OH, 2006.
4. Oliver SCN, Ciardella AP, **Sands RE**, Conway J, Yannuzzi L, Durairaj VD. Posterior scleral choristomas and trigeminal lipoma in the organoid nevus syndrome. *Retinal Cases & Brief Reports* Spring 2007;1(2):82-84.
5. **Braverman RS**. Diagnosis and treatment of refractive errors in the pediatric population. *Curr Opin in Ophthalmol* 2007, 18:379-383.
6. Pediatric Eye Disease Investigator Group (site principal investigator). Primary Treatment of Nasolacrimal Duct Obstruction with Probing in Children Younger than 4 years. *Ophthalmology* 2008 Vol. 115, No. 3:577-84.
7. Petersen WC, Schlis KD, **Braverman RS**, Carlson I, Liang X, Wang M. Co-Investigator – Pseudohypopyon: Extramedullary relapse of acute myelogenous leukemia with poor prognosis. *Pediatr Blood Cancer (c)* 2008 Dec 17 (epub).
8. **Braverman RS**. "Eye" in Current Pediatric Diagnosis & Treatment 19th edition. McGraw Hill, Inc. Columbus, OH, 2009.
9. Athappily GK, **Braverman RS**. "Congenital alacrima in a patient with blepharophimosis syndrome. *Ophthalmic Genet.* 2009 Mar;30(1):37-9.

PRESENTATIONS:

1. Management of combined rhegmatogenous and tractional retinal detachment in proliferative diabetic retinopathy. Retina Pearls for Practice conference, University of Florida, Gainesville, FL, May 2000
2. Management of ocular emergencies for the primary care provider. Physician Assistant Program, University of Florida, Gainesville, FL, April 2001
3. Ocular albinism. Department of Dermatology Grand Rounds, Emory University, Atlanta, GA, May 2002
4. Diplopia after refractive surgery. 7th Annual Ophthalmology Symposium, Rocky Mountain Lions Eye Institute, University of Colorado, Denver, CO, September 20, 2003
5. Organoid nevus syndrome. Ophthalmic Genetics Study Group, American Academy of Ophthalmology national meeting, Anaheim, CA, November 23, 2003
6. Retinopathy of prematurity. Multidisciplinary Continuing Education offering. Neonatal Intensive Care Unit. University of Colorado, Denver, CO, February 13, 2004.
7. Retinopathy of prematurity. Multidisciplinary Continuing Education offering. Neonatal Intensive Care Unit, University of Colorado, Denver, CO, February 20, 2004.

8. Dorsal mid-brain syndrome after radiation treatment. Solitude Pediatric Ophthalmology meeting, Solitude, UT, February 28, 2004
9. Organoid nevus syndrome. Solitude Pediatric Ophthalmology meeting, Solitude, UT, February 28, 2004
10. Retinopathy of prematurity. Multidisciplinary Continuing Education offering. Neonatal Intensive Care Unit, University of Colorado. Denver, CO, April 7, 2004.
11. Coats disease versus retinoblastoma. Midwest Pediatric Ophthalmology Conference, Detroit, MI, April 17, 2004
12. Pediatric retinal disorders. Fire on the Mountain meeting sponsored by Rocky Mountain Ophthalmic Personnel, Steamboat Springs, CO, July 24, 2004
13. Update on ROP, Drack AV, **Sands RE**. Ophthalmology Grand Rounds, Rocky Mountain Lions Eye Institute, University of Colorado, Denver, CO, September 3, 2004
14. Pediatric Trauma Update. 8th Annual Ophthalmology Symposium, Rocky Mountain Lions Eye Institute, University of Colorado, Denver, CO, September 10, 2004
15. Update on Retinopathy of Prematurity (R.O.P.), Drack AV, **Sands RE**. Colorado Perinatal Care Council 159th Meeting, Sky Ridge Medical Center, Lone Tree, CO, November 19, 2004
16. Microphthalmia. The Anchor Center for the Blind. Denver, CO, June 6, 2005.
17. Pediatric Retinal Disorders, **Sands RE**. AACO Southern Regional Orthoptic Meeting, Hilton University of Florida Conference Center, Gainesville, FL, June 10, 2005
18. Aphakic Glaucoma and the Use of the Endoscopic Laser. 9th Annual Ophthalmology Symposium, Rocky Mountain Lions Eye Institute, University of Colorado, Denver, CO, September 23, 2005.
19. Aphakic Glaucoma and Treatment with Endoscopic Cyclophotocoagulation -The Children's Hospital in Denver experience. Rocky Mountain Ophthalmic Personnel (RMOP). Denver, CO, December 7, 2005.
20. Perioperative Management of the pediatric glaucoma patient. 9th Annual Perioperative Services Workshop. The Children's Hospital, Denver, CO. February 4, 2006.
21. **Sands RE** (workshop coordinator), Drack AV, Kushner BJ, Del Monte MA, Elliott A. Where to Leave It? American Association for Pediatric Ophthalmology and Strabismus, 32nd Annual National Meeting, Workshop presentation. Keystone, CO. March 18, 2006.
22. **Sands RE**, Pediatric Ophthalmology for the Child Health Associate/Physician Assistant Program. University of Colorado Health Science Center. Denver, CO. April 12, 2006.
23. The Adult Diplopic Patient. 10th Annual Ophthalmology Symposium, Rocky Mountain Lions Eye Institute, University of Colorado, Denver, CO, September 30, 2006.
24. **Braverman RS**, (workshop coordinator) Hutchinson A, Lambert S, Del Monte MA Where to Leave It? Strabismus workshop coordinator -, American Association for Pediatric Ophthalmology and Strabismus, 33rd Annual National Meeting, Workshop presentation. Seattle WA. April 13, 2007.
25. Pediatric ophthalmic infectious disease update. Ophthalmology for the Primary Care Provider Conference. Denver, CO. April 21, 2007.
26. Pediatric Ophthalmology for the Child Health Associate/Physician Assistant Program. University of Colorado Health Science Center. Denver, CO. April 25, 2007.

27. Diagnosis and Treatment of Refractive Errors in Children. 11th Annual Ophthalmology Symposium, Rocky Mountain Lions Eye Institute, University of Colorado Denver, Aurora, CO, October 19 – 20, 2007.
28. The Pediatric Ophthalmology Exam for the Primary Care Provider. 2nd Annual Ophthalmology for the Primary Care Provider Symposium. Denver, CO. May 10, 2008.
29. Pediatric Infectious Disease update. 2nd Annual Ophthalmology for the Primary Care Provider Symposium. Denver, CO. May 10, 2008.
30. The Adult Diplopic Patient. 13th Annual Ophthalmology Symposium, Rocky Mountain Lions Eye Institute, University of Colorado Denver, Aurora, CO, September 20, 2008.
31. Pediatric Anisocoria: A 3-year, single institution experience. 13th Annual Ophthalmology Resident, Fellow & Faculty Research Day, Rocky Mountain Lions Eye Institute, University of Colorado Denver, Aurora, CO, June 13, 2009.
32. Hendrick, A, **Braverman RS**. Smith-Lemli-Opitz-Retinal Pigment Epithelial Abnormalities: Photoreceptor Function Detected by ERG, Smith-Lemli-Opitz Syndrome Scientific Symposium, Boston, MA, June 26, 2009.

BASIC SCIENCE COURSES:

1. Embryology: Ocular development and congenital anomalies. Basic and Clinical Science Course, Department of Ophthalmology, University of Colorado, Denver, CO, November 1, 2004
2. Strabismus. Basic and Clinical Science Course, Department of Ophthalmology, University of Colorado, Denver, CO. February 6, 2006.
3. Pediatric development of the eye, congenital anomalies, eyelid disorders and infectious/allergic ocular diseases. University of Colorado, Denver, CO, February 27, 2006.
4. Vitreous, retinal and optic nerve abnormalities in children. University of Colorado, Denver, CO, March 27, 2006.
5. Pediatric Ophthalmology Review to the Residents. Department of Ophthalmology and Visual Sciences, University of Nebraska, Omaha, NE, April 14, 2008.
6. Horizontal, Vertical, and Pattern Strabismus. University of Colorado Denver, Aurora, CO, September 15, 2008.
7. Esodeviations, Exodeviations and Pattern Strabismus, University of Colorado Denver, Aurora, CO, December 1, 2008.
8. Pediatric Cataracts and Retina and Optic Nerve Disorders in Children, University of Colorado Denver, Aurora, CO, February 9, 2009.
9. Pediatric Ophthalmology, University of Colorado Denver, Aurora, CO, April 6, 2009.

ABSTRACTS/POSTERS:

1. IOP and central corneal thickness in premature infants. **Sands R**, Levine L; University of Florida, Gainesville, FL. Poster presented at AAPOS meeting, March 23-27, 2003, Waikoloa, HI
2. Early diagnosis of organoid nevus syndrome, a rare phakomatosis: Implications for surgical management. Oliver SCN, Ciardella AP, Durairaj VD, **Sands R**; Rocky Mountain Lions Eye Institute, University of Colorado, and Denver Health Medical Center, Denver, CO. Poster presented at ARVO meeting, April 25-30, 2004, Ft. Lauderdale, FL (3570/B31)

3. Retinopathy of Prematurity Rate of Regression and Complications Follow Laser Treatment. Carlson I, Drack A, **Sands R**, Mandava N, Olson J, O'Donnell C; The Children's Hospital, Denver, CO. Poster presented at 2005 Annual Spring Pediatrics Poster Session, May 20, 2005, Denver, CO. Award: First place, Category: First year Fellow.
4. Thomas SA, Drack AV, **Sands RE**, Curtis TH, Yoon P, Friedman N, Chan K, Clinical and histopathologic Features of Congenital Dacryocystoceles Associated with Intranasal Cysts. American Association for Pediatric Ophthalmology and Strabismus, 32nd Annual Meeting, Poster presentation. Keystone, CO, March 15-18, 2006.
5. Carlson IA, Drack AV, **Sands RE**, Mandava N, Olson J, O'Donnell C. ROP: Rate of Regression and Complications Following Laser Treatment, American Association for Pediatric Ophthalmology and Strabismus, 32nd Annual Meeting. Poster presentation. Keystone, CO, March 15-18, 2006.
6. Drack AV, **Sands RE**, Smith C, Curtis TH, Moore C, O'Donnell C. How Often Are Our Patients' Spectacle Lenses Dispensed as Prescribed? American Association for Pediatric Ophthalmology and Strabismus, 32nd Annual Meeting. Poster presentation. Keystone, CO, March 15-18, 2006.
7. **Sands RE**, A Case Series of Children with Colpocephaly and Associated Central Nervous System and Ophthalmic Abnormalities. TCH Annual Spring Pediatrics Poster Session, May 19, 2006, Denver, CO.
8. Curtis TH, Drack AV, **Braverman RS**. Pediatric Ophthalmology Inpatient Consultations. American Association for Pediatric Ophthalmology and Strabismus 33rd Annual Meeting, Seattle, Washington, April 11, 2007.
9. **Braverman RS**, Curtis TH, Drack AV, Bateman JB, Elias Ellen. TCH Annual Spring Pediatrics Poster Session, May 15, 2009, Denver, CO.

RESEARCH:

1. Principal Investigator – Pediatric Eye Disease Investigator Group. A prospective study of the primary surgical treatment of nasolacrimal duct obstruction in children less than four years old.
2. Sub-investigator – A Randomized, Double-Blind, Placebo-Controlled, Dose Ranging, Parallel Group Study of Oral Sildenafil in the Treatment of Children, Aged 1-17 Years, with Pulmonary Arterial Hypertension.
3. Sub-investigator – A Multicenter, Long-Term Extension Study to Assess the Safety of Oral Sildenafil in the Treatment of Subjects Who Have Completed A1481131.
4. Co-Investigator – Cholesterol Treatment in Patients with the Smith-Lemli-Opitz Syndrome (SLOS).
5. Sub-Investigator – Biliary Atresia Clinical Research Consortium (BARC), A Randomized, Double Blinded, Placebo-Controlled Trial of Corticosteroid Therapy Following Portoenterostomy in Infants with Biliary Atresia.