

Name: Daniel J. Salchow, M.D.

Professional statement: Dr. Salchow joined the Yale University School of Medicine in July 2007 as Assistant Professor of Ophthalmology and Visual Science and Director of Pediatric Ophthalmology. In his clinical practice, Dr. Salchow focuses on the evaluation and treatment of all eye and visual problems in children, as well as strabismus (misalignment and motility problems of the eyes) in children and adults.

Dr. Salchow is the author of multiple peer-reviewed articles (see publication list) as well as presentations at scientific meetings. He is a Diplomate of the American Board of Ophthalmology, a member of the American Academy of Ophthalmology (AAO), the American Association of Pediatric Ophthalmology and Strabismus (AAPOS), and the Deutsche Ophthalmologische Gesellschaft (DOG).

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Education:

1995 Cand. med.

Phillips-University of Marburg Medical School
Marburg, Germany

2000 Medical Doctor M.D.

Medical University of Lübeck
Lübeck, Germany

Professional:

2001-2002 Internship in General Surgery
Lenox Hill Hospital
New York, NY

2002-2005 Residency in Ophthalmology
Harkness Eye Institute
College of Physicians and Surgeons
Columbia University
New York, NY

2005-2007 Fellowship and Senior Fellowship in Pediatric Ophthalmology
Children's National Medical Center
Washington, DC

Research:

1995 – 1997 Clinical studies on outcomes of refractive surgery with Dr. M. Zirm
Innsbruck/Austria

2000 Electrophysiology on mouse models of retinal disease with Drs. Seeliger and Zrenner
Tübingen/ Germany

1997 – 2001 Collaboration with Dr. Peter Gouras 'genetic and neurophysiologic aspects of night blindness, retinal physiology, vitamin A-metabolism, and retinal transplantation
New York, NY

2001 Dissertation at the Medical University of Lübeck (Germany); "Die W70A-Punktmutation im Gen für die α -Untereinheit der retinalen Phosphodiesterase – ein Tiermodell für kongenitale stationäre Nachtblindheit" (The W70A-point mutation in the α -subunit of the retinal phosphodiesterase – an animal for congenital stationary night blindness).

Honors: magna cum laude (medical school)

Licensure: Connecticut (Physician / Surgeon) No. 045074
District of Columbia
Maryland
Virginia

Societies:

- American Academy of Ophthalmology (AAO)
- American Association of Pediatric Ophthalmology and Strabismus (AAPOS)
- Deutsche Ophthalmologische Gesellschaft (DOG)

Awards:

1998 ARVO Travel Grant for outstanding retinal research

1999-2000 Deutsche Akademischer Austauschdienst (DAAD) research stipend for research at Columbia University (New York, NY)

Peer Reviewed Publications:

1. Parisi A, **Salchow DJ**, Zirm ME, Stieldorf C. Laser in situ keratomileusis (LASIK) after automated lamellar keratoplasty and penetrating keratoplasty — three case reports. *J Cataract Refract Surg* 1997; 23:1114-1117
2. **Salchow DJ**, Zirm ME, Stieldorf C, Parisi A. Laser-in-situ-Keratomileusis (LASIK) zur Myopie- und Astigmatismuskorrektur. *Ophthalmologie* 1998; 95:142-147
3. **Salchow DJ**, Zirm ME, Stieldorf C, Parisi A. Laser in situ keratomileusis for myopia and myopic astigmatism. *J Cataract Refract Surg* 1998; 24:175-182
4. **Salchow DJ**. Results of laser in situ keratomileusis in different degrees of myopia (letter). *Ophthalmology* 1999; 106:4-5
5. **Salchow DJ**, Zirm ME, Stieldorf C, Parisi A. Comparison of objective and subjective refraction before and after laser in situ keratomileusis. *J Cataract Refract Surg* 1999; 25:827-835
6. Zirm ME, **Salchow DJ**. Double phaco chop (letter). *J Cataract Refract Surg* 1999; 25:732-735
7. Quadro L, Blaner WS, **Salchow DJ**, Vogel S, Piantedosi R, Gouras P, Freeman S, Cosma MP, Colantuoni, Gottesman ME. Impaired retinal function and vitamin A availability in mice lacking retinol-binding protein. *EMBO J* 1999; 18:4633-4644
8. **Salchow DJ**, Zirm ME, Pfaller K, Stieldorf C. Histology after lamellar keratoplasty and corneal excimer laser ablation. *J Refract Surg* 1999; 15:590-593
9. **Salchow DJ**, Gouras P, Doi K, Goff SP, Tsang SH. The electroretinogram (ERG) of a murine model of stationary nyctalopia: the W70A mutation in the PDE gamma gene. *Invest Ophthalmol Vis Sci* 1999; 40:3262-3267
10. Tsang SH, Yamashita CK, Doi K, **Salchow DJ**, Bouvier N, Mendelsohn M, Gouras P, Farber DB, Goff SP. In vivo studies of the gamma-subunit of retinal cGMP-phosphodiesterase with a substitution of tyrosine-84. *Biochem J* 2001; 353:467-474
11. **Salchow DJ**, Trokel SL, Kjeldbye H, Dudley T, Gouras P. Isolation of human fetal cones. *Curr Eye Res* 2001; 22:85-89
12. Ekesten B, Gouras P, **Salchow DJ**. Ultraviolet and middle wavelength sensitive cone responses in the electroretinogram (ERG) of normal and Rpe65 ^{-/-} mice. *Vision Res* 2001; 41:2425-2433
13. D'Ambrosio T, Williams SC, Lignelli A, **Salchow DJ**, et al. Clinicopathological Review: Giant Cell Reparative Granuloma of the Orbit. *J Neurosurg* 2005; 57:773-778
14. **Salchow DJ**, Oleynikov Y, Chiang MF, et al. Retinal nerve fiber layer thickness in normal children measured with optical coherence tomography. *Ophthalmology* 2006;113:786-791
15. **Salchow DJ**, Weiss MJ. Retinal pigment epithelial detachment in sarcoidosis. *Ocul Immunol Inflamm* 2006;14:245-248
16. **Salchow DJ**, Hutcheson KA. Optical coherence tomography in children. *J Pediatr Ophthalmol Strabismus* - submitted