

BIOGRAPHICAL SKETCH

Give the following information for the key personnel.
Copy this page for each person.

NAME Chen, Teresa C.	POSITION TITLE Assistant Professor of Ophthalmology		
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing. Include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Rensselaer Polytechnic Institute, Troy, New York	B.S.	1991	Biology
Albany Medical College, Albany, New York	M.D.	1993	Medicine
Brigham and Women's Hospital, Boston, MA	Intern	1994	Internal Medicine
Illinois Eye and Ear Infirmary, Chicago, IL	Resident	1997	Ophthalmology
Massachusetts Eye and Ear Infirmary, Boston, MA	Fellow	1998	Glaucoma
Harvard School of Public Health, Boston, MA		1998	Epidemiology, Biostatistics
Harvard Medical School, Boston, MA		2006	Human Genetics
National Institutes of Health, Bethesda, MD		2006	Mutation Detection and Analysis

A. Positions and Honors**Positions and Employment**

1998-2002 Instructor in Ophthalmology, Harvard Medical School
 1998-present Assistant in Ophthalmology, Massachusetts Eye and Ear Infirmary
 1998-present Clinical Associate in Surgery, Massachusetts General Hospital
 1998-present Clinical Associate in Surgery, Brigham and Women's Hospital
 2002-present Assistant Professor of Ophthalmology, Harvard Medical School
 2004-present Director of Clinical Affairs, Glaucoma Service

Honors (Select List from over 130 awards and honors)

NSTA and NASA Award 1986
 International Science and Engineering Fair Finalist 1986
 Westinghouse Honors Group 1987
 All-USA High School Scholar (top 20 high school students in the country) 1987
 National Merit Scholarship 1987
 The National Dean's List Multiple Year Award for Outstanding Achievement 1989
 Alpha Epsilon Delta, The Premedical Honor Society 1989
 Rensselaer Polytechnic Institute (College) Rank 1 of 1063 1991
 Dean's Award for Outstanding Research 1991
 NIH Research Fellowship Award 1991
 AOA Student Research Fellowship Award 1991
 Junior Alpha Omega Alpha (AOA) 1991
 Dean's Award for Outstanding Research 1992
 Dean's Senior Research Award 1993
 The Robert D. Reinecke Prize for Research in Ophthalmology 1993
 Albany Medical College (Medical School) Rank 1 of 125 1993
 Heed Fellowship 1997
 The National Registry of Who's Who (Life Member) 2001
 America's Top Ophthalmologists – Consumer Research Council of America 2002
 Woman of the Year (American Medal of Honor) 2003
 International Health Professional of the Year 2004
 Top Ten Presentations of the American Glaucoma Society (per Intern'l Glc Review) 2006

B. Selected peer-reviewed publications

(Publications selected from 46 published papers, 31 chapters and reviews)

1. **Chen TC**, Weinberg MH, Catalano RA, Simon JW, and Wagle WA. Development of Object Vision in Infants with Cortical Visual Impairment. American Journal of Ophthalmology 1992; 114(5):575-8.
2. **Chen TC**, Wilensky JT, and Viana MAG. Long-Term Follow-Up of Initial Trabeculectomy. Ophthalmology 1997; 104: 1120-5.
3. **Chen TC** and Walton DS. Gonio-surgery for Prevention of Aniridic Glaucoma. Archives of Ophthalmology 1999; 177 (9): 1144-48.
4. **Chen TC**, Pasquale LR, Walton DS, and Grosskreutz CL. Diode Laser Transscleral Cyclophotocoagulation. International Ophthalmology Clinics 1999; 39(1):169-176.
5. **Chen TC**, Ang RT, Pasquale LR, Grosskreutz CL, and Fan JT. Brimonidine Versus Apraclonidine for Prevention of Rise in Intraocular Pressure Following Anterior Segment Laser Surgery. Ophthalmology 2001; 108 (6): 1033-1038.
6. **Chen TC**. Intraocular Lens Surgery in Glaucoma. In: Azar D, ed.; Stark W, Pineda R, Azar N and Yoo S, associate eds. Intraocular Lenses in Cataract and Refractive Surgery. Philadelphia: WB Saunders; 2001, p. 113-130.
7. **Chen TC**, Yuen SA, Sangalang MA, Fernando RE, Leuenberger EU. Retrobulbar Chlorpromazine Injections for the Management of Blind and Seeing Painful Eyes. Journal of Glaucoma 2002; 11: 209-213.
8. **Chen TC**, Chao CW, Sorkin J. Topiramate-Induced Myopic Shift and Angle-Closure Glaucoma. British Journal of Ophthalmology 2003; 87(5):648-49.
9. **Chen TC**, Walton DS, Bhatia LS. Aphakic Glaucoma After Congenital Cataract Surgery, Archives of Ophthalmology 2004; 122: 1819-25.
10. **Chen TC**, Bhatia LS, Walton DS. Complications of Pediatric Lensectomy: a Report of 193 Eyes. Ophthalmic Surg Lasers Imaging 2005; 36(1):6-13.
11. **Chen TC**, Bhatia LS, Walton DS. Ahmed Valve Surgery for Refractory Pediatric Glaucoma, Journal of Pediatric Ophthalmology and Strabismus 2005; 42:274-283.
12. **Chen TC**. Intraocular Pressure Elevations After Pupillary Dilation in Patients with Open Angles, Annals of Ophthalmology 2005;37(2):69-76.
13. **Chen TC**. Brimonidine 0.15% Versus Apraclonidine 0.5% for Prevention of Rise in Intraocular Pressure Following Anterior Segment Laser Surgery, Journal of Cataract and Refractive Surgery 2005;31:1707-12.
14. **Chen TC**, Cense B, Pierce MC, Nassif N, Park BH, Yun SH, White BR, Bouma BE, Tearney GJ, de Boer JF. Spectral Domain Optical Coherence Tomography: Ultrahigh-speed, Ultrahigh-resolution Ophthalmic Imaging, Archives of Ophthalmology 2005; 123:1715-20.
15. **Chen TC**. Multicenter National Clinical Trials in Glaucoma (2001-2003). American Academy of Ophthalmology Clinical Updates, module 13, 2005. Available at [http : // ced.aao.org/scu/glaucoma/v1m13](http://ced.aao.org/scu/glaucoma/v1m13)
16. **Chen TC**, Cense B, Miller JW, Rubin PA, Deschler DG, Gragoudas ES, de Boer JF. Histologic correlation of in vivo optical coherence tomography images of the human retina. Am J Ophthalmol 2006 Jun;141(6):1165-8.
17. **Chen TC**, Bhatia LS, Halpern EF, Walton DS. Risk factors for the development of aphakic glaucoma. J Pediatr Ophthalmol Strabismus 2006;43(5):274-280.

A. Book:**Chen TC**, editor of Glaucoma Surgery, Elsevier, 2007.

B. Research Support**Ongoing Research Support**

Edgar Miles Pediatric Research Fund 1999-2006

Aphakic Glaucoma

The goal of this project is to evaluate the clinical course and prognosis of aphakic glaucoma.

Role: PI

R01 EY14975-01 4/1/4- 3/31/7

NIH

Video Rate OCT for Evaluating Glaucoma

The goal of this study is to improve on the existing OCT technology in order to increase the speed and resolution.

Role: Co-PI

NIH 9/15/3-6/30/7

Fast OCT Technology for Comprehensive Diagnostic Imaging

The goal of this study is to improve on the existing OCT technology, which can be used for ophthalmology, gastroenterology, and cardiology.

Role: Co-PI

Completed Research Support

Children's Glaucoma Foundation 1999-2001

Aphakic Glaucoma

The goal of this project was to examine the clinical course and prognosis of aphakic glaucoma.

Role: PI

Allergan 1999

Prevention of Intraocular Pressure Elevations after Anterior Segment Laser Procedures

Prospective randomized clinical trial comparing brimonidine versus apraclonidine in preventing post-laser intraocular pressure elevations.

Role: PI

1 R24 EY 12877 Rylander (PI) 6/1/1-9/30/4

NIH

Polarization Sensitive Optical Coherence Tomography for Glaucoma

The goal of this study is to develop a polarization sensitive optical coherence tomography instrument for evaluating the nerve fiber layer in normal and glaucoma patients.

Role: Co-PI

Blind Childrens Center 2004-2005

Risk Factors for Aphakic Glaucoma

The goal of this project is to evaluate the risk factors for the development of aphakic glaucoma.

Role: PI