



QUICK LINKS:

- about
- people
- faculty
 - recent publications
 - courses
- staff
- research
- events
- contacts
- news
- bme home
- pratt home
- duke home

INFORMATION FOR:

- undergrads
- grads
- industry
- employment

CYNTHIA A TOTH, PROFESSOR OF OPHTHALMOLOGY AND BIOMEDICAL ENGINEERING

Contact Info:

Office Location: Wadsworth Building
 Email Address: [REDACTED] 
 Web Page: <http://www.dukeeye.org/doctors/toth.html>



Education:

MD, The Medical College of Pennsylvania, 1983
 M.D., Medical College of Pennsylvania, 1983

Specialties:

Technology Transfer
 Medical Imaging

Representative Publications (More Publications)

SG Schuman, AF Koreishi, S Farsiu, SH Jung, JA Izatt, CA Toth, *Photoreceptor layer thinning over drusen in eyes with age-related macular degeneration imaged in vivo with spectral-domain optical coherence tomography.*, Ophthalmology, United States, vol. 116 no. 3 (March, 2009), pp. 488-496.e2 [abs].

GT Chong, S Farsiu, SF Freedman, N Sarin, AF Koreishi, JA Izatt, CA Toth, *Abnormal foveal morphology in ocular albinism imaged with spectral-domain optical coherence tomography.*, Archives of ophthalmology, United States, vol. 127 no. 1 (January, 2009), pp. 37-44 [abs].

AA Khanifar, AF Koreishi, JA Izatt, CA Toth, *Drusen ultrastructure imaging with spectral domain optical coherence tomography in age-related macular degeneration.*, Ophthalmology, United States, vol. 115 no. 11 (November, 2008), pp. 1883-90 [abs].

AW Scott, S Farsiu, LB Enyedi, DK Wallace, CA Toth, *Imaging the Infant Retina with a Hand-held Spectral-Domain Optical Coherence Tomography Device.*, American journal of ophthalmology (October, 2008) [abs].

CA Baer, CB Rickman, S Srivastava, G Malek, S Stinnett, CA Toth, *Recurrent choroidal neovascularization after macular translocation surgery with 360-degree peripheral retinectomy.*, Retina (Philadelphia, Pa.), United States, vol. 28 no. 9 (October, 2008), pp. 1221-7 [abs].

M Stopa, BA Bower, E Davies, JA Izatt, CA Toth, *Correlation of pathologic features in spectral domain optical coherence tomography with conventional retinal studies.*, Retina (Philadelphia, Pa.), United States, vol. 28 no. 2 (February, 2008), pp. 298-308 [abs].

N Zhang, GC Hoffmeyer, ES Young, RE Burns, KP Winter, SS Stinnett, CA Toth, GJ Jaffe, *Optical coherence tomography reader agreement in neovascular age-related macular degeneration.*, American journal of ophthalmology, United States, vol. 144 no. 1 (July, 2007), pp. 37-44 [abs].

G Malek, LV Johnson, BE Mace, P Saloupis, DE Schmechel, DW Rickman, CA Toth, PM Sullivan, C Bowes Rickman, *Apolipoprotein E allele-dependent pathogenesis: a model for age-related retinal degeneration.*, Proceedings of the National Academy of Sciences of the United States of America, United States, vol. 102 no. 33 (August, 2005), pp. 11900-5 [abs].

MT Cahill, P Mruthyunjaya, C Bowes Rickman, CA Toth, *Recurrence of retinal pigment epithelial changes after macular translocation with 360 degrees peripheral retinectomy for geographic atrophy.*, Archives of ophthalmology, United States, vol. 123 no. 7 (July, 2005), pp. 935-8 [abs].

MT Cahill, SS Stinnett, AD Banks, SF Freedman, CA Toth, *Quality of life after macular translocation with 360 degrees peripheral retinectomy for age-related macular degeneration.*, Ophthalmology, United States, vol. 112 no. 1 (January, 2005), pp. 144-51 [abs].

MT Cahill, AD Banks, SS Stinnett, CA Toth, *Vision-related quality of life in patients with bilateral severe age-related macular degeneration.*, Ophthalmology, United States, vol. 112 no. 1

(January, 2005), pp. 152-8 [abs].

BS Hawkins, NM Bressler, SB Bressler, FH Davidorf, JC Hoskins, MJ Marsh, PH Miskala, M Redford, P Sternberg, MA Thomas, CA Toth, Submacular Surgery Trials Research Group, *Surgical removal vs observation for subfoveal choroidal neovascularization, either associated with the ocular histoplasmosis syndrome or idiopathic: 1. Ophthalmic findings from a randomized clinical trial: Submacular Surgery Trials (SST) Group H Trial: SST Report No. 9.*, Archives of ophthalmology, United States, vol. 122 no. 11 (November, 2004), pp. 1597-611 [abs].

P Mruthyunjaya, SS Stinnett, CA Toth, *Change in visual function after macular translocation with 360 degrees retinectomy for neovascular age-related macular degeneration.*, Ophthalmology, United States, vol. 111 no. 9 (September, 2004), pp. 1715-24 [abs].

CA Toth, DJ Lapolice, AD Banks, SS Stinnett, *Improvement in near visual function after macular translocation surgery with 360-degree peripheral retinectomy.*, Graefe's archive for clinical and experimental ophthalmology = Albrecht von Graefes Archiv für klinische und experimentelle Ophthalmologie, Germany, vol. 242 no. 7 (July, 2004), pp. 541-8 [abs].

CH Park, CA Toth, *Macular translocation surgery with 360-degree peripheral retinectomy following ocular photodynamic therapy of choroidal neovascularization.*, American journal of ophthalmology, United States, vol. 136 no. 5 (November, 2003), pp. 830-5 [abs].

TD Ting, M Oh, TA Cox, CH Meyer, CA Toth, *Decreased visual acuity associated with cystoid macular edema in neovascular age-related macular degeneration.*, Archives of ophthalmology, United States, vol. 120 no. 6 (June, 2002), pp. 731-7 [abs].

KA Walton, CH Meyer, CJ Harkrider, TA Cox, CA Toth, *Age-related changes in vitreous mobility as measured by video B scan ultrasound.*, Experimental eye research, England, vol. 74 no. 2 (February, 2002), pp. 173-80 [abs].

CH Meyer, CA Toth, *Retinal pigment epithelial tear with vitreomacular attachment: a novel pathogenic feature.*, Graefe's archive for clinical and experimental ophthalmology = Albrecht von Graefes Archiv für klinische und experimentelle Ophthalmologie, Germany, vol. 239 no. 5 (June, 2001), pp. 325-33 [abs].

CA Toth, SF Freedman, *Macular translocation with 360-degree peripheral retinectomy impact of technique and surgical experience on visual outcomes.*, Retina (Philadelphia, Pa.), United States, vol. 21 no. 4 (2001), pp. 293-303 [abs].

RP Gallemore, JM Jumper, BW McCuen, GJ Jaffe, EA Postel, CA Toth, *Diagnosis of vitreoretinal adhesions in macular disease with optical coherence tomography.*, Retina (Philadelphia, Pa.), UNITED STATES, vol. 20 no. 2 (2000), pp. 115-20 [abs].

CA Toth, DG Narayan, SA Boppart, MR Hee, JG Fujimoto, R Birngruber, CP Cain, CD DiCarlo, WP Roach, *A comparison of retinal morphology viewed by optical coherence tomography and by light microscopy.*, Archives of ophthalmology, UNITED STATES, vol. 115 no. 11 (November, 1997), pp. 1425-8 [abs].

CA Toth, R Birngruber, SA Boppart, MR Hee, JG Fujimoto, CD DiCarlo, EA Swanson, CP Cain, DG Narayan, GD Noojin, WP Roach, *Argon laser retinal lesions evaluated in vivo by optical coherence tomography.*, American journal of ophthalmology, UNITED STATES, vol. 123 no. 2 (February, 1997), pp. 188-98 [abs].

CA Toth, LS Morse, LM Hjelmeland, MB Landers, *Fibrin directs early retinal damage after experimental subretinal hemorrhage.*, Archives of ophthalmology, UNITED STATES, vol. 109 no. 5 (May, 1991), pp. 723-9 [abs].

JJ Chieh, SS Stinnett, CA Toth, *Central and pericentral retinal sensitivity after macular translocation surgery.*, Retina (Philadelphia, Pa.), United States, vol. 28 no. 10, pp. 1522-9 [abs].

P Mruthyunjaya, SS Stinnett, CA Toth, *Impact of fluorescein angiographic characteristics of macular lesions on outcomes after macular translocation 360 degree surgery in eyes with age-related macular degeneration.*, Retina (Philadelphia, Pa.), United States, vol. 25 no. 5, pp. 597-607 [abs].

CA Toth, *Macular degeneration: the latest in current surgical management.*, Retina (Philadelphia, Pa.), United States, vol. 26 no. 6 Suppl, pp. S21-5.

WP Roach, CP Cain, DG Narayan, GD Noojin, SA Boppart, R Birngruber, JG Fujimoto, CA Toth, *Retinal response of Macaca mulatta to picosecond laser pulses of varying energy and spot size.*, Journal of biomedical optics, United States, vol. 9 no. 6, pp. 1288-96 [abs].