

MEETING REGISTRATION

To register and view course materials,
please go to the following website:

<https://www.vumc.org/ophthalmology/pearls2022>

REGISTRATION FEES

The registration fee includes the scientific sessions,
breakfast, breaks, and lunch.

**NON-VUMC PHYSICIANS, OPTOMETRISTS
AND OTHER HEALTH PROFESSIONALS:**

\$85

Cancellations: Cancellations received on or before May 6th will be issued a refund for the amount of the registration fee, less a 20% administrative fee. Vanderbilt University Medical Center is not responsible for any costs for or related to airline tickets or hotel accommodations purchased in connection with attendance at this CME activity.

HOTEL ACCOMMODATIONS

VANDERBILT MARRIOTT

2555 West End Avenue • Nashville, TN • 615-321-1300

**RATES ARE BASED ON AVAILABILITY
AND ARE SUBJECT TO CHANGE**

COURSE DESCRIPTION

STATEMENT OF NEED & LEARNING OBJECTIVES

Many practitioners still prescribe medication and recommend surgical intervention based on outdated principles and beliefs. The goal of Pearls is to provide updates on current medical and surgical treatments available for all the common ophthalmic diseases (glaucoma, cataracts, macular degeneration and diabetic retinopathy); to encourage therapeutic decisions based on sound evidence-based medicine rather than anecdotal reports, and to highlight prospective multi-center studies to enable physicians to practice sound evidence-based medicine.

After participating in this CME activity, participants should be able to describe and discuss:

1. Managing patients with retinal disease
2. Incorporating new technology in cataract and refractive surgery
3. Diagnosing and treating common neuro-ophthalmology disorders
4. Addressing new issues in the diagnosis and treatment of glaucoma
5. Managing difficult anterior problems
6. Incorporating the latest treatment options for orbital disease

TARGET AUDIENCE

Ophthalmologists, optometrists, nurses, residents, fellows, medical students, and technicians.

ACCREDITATION

Vanderbilt University Medical Center is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Vanderbilt University Medical Center designates this live activity for a maximum of 7.5 *AMA PRA Category 1 Credit(s)*TM. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Continuing education credits in optometry for the 2022 Pearls Symposium is pending approval from COPE.

The program for allied health has been approved by JCAHPO (Joint Commission on Allied Health Personnel in Ophthalmology) for continuing education credits.

PRESENTED BY THE FACULTY OF THE
**VANDERBILT EYE INSTITUTE
AND GUEST FACULTY
LISTED BELOW**

KEITH D. CARTER, M.D.

Lillian & CS O'Brien Chair in Ophthalmology
Carver College of Medicine

UDAY DEVGAN, M.D., F.A.C.S., F.R.C.S.

Private Practice, Devgan Eye Surgery, Los Angeles
Partner, Specialty Surgical Center, Beverly Hills
Professor of Ophthalmology

I. PAUL SINGH, M.D.

President
The Eye Centers of Racine and Kenosha

CYNTHIA A. TOTH, M.D.

Joseph A.C. Wadsworth Professor of Ophthalmology
Professor of Biomedical Engineering
Duke University

BEHIN BARAHIMI, M.D.

Associate Professor
Vanderbilt Eye Institute

JENNIFER LINDSEY, M.D.

Associate Professor
Vanderbilt Eye Institute

AVNI FINN, M.D., M.B.A.

Assistant Professor
Vanderbilt Eye Institute

JEFF MATTINGLY, M.D.

Assistant Professor
Vanderbilt Eye Institute

KAREN JOOS, M.D., PH.D.

Professor
Vanderbilt Eye Institute

SHRIJI PATEL, M.D., M.B.A.

Associate Professor
Vanderbilt Eye Institute

STEPHEN KIM, M.D.

Professor
Vanderbilt Eye Institute

RACHEL SOBEL, M.D.

Associate Professor
Vanderbilt Eye Institute

RACHEL KUCHTEY, M.D., PH.D.

Professor
Vanderbilt Eye Institute

FRIDAY, MAY 13, 2022
VANDERBILT MARRIOTT • NASHVILLE

7:00 – 7:40 am	Continental Breakfast
7:00 am	Registration
7:40 – 7:45 am	Welcoming Remarks and Introduction Jeff Kammer, M.D.
7:45 – 7:50 am	Welcoming Remarks Paul Sternberg, M.D.

SECTION 1— Retina

Moderator: Edward Cherney, M.D.

7:50 – 8:30 am	<i>The William S. and Grace Snyder Lectureship in Ophthalmology:</i> The Revolution in Pediatric Retina Impacts Everyone Cynthia A. Toth, M.D.
8:30 – 8:50 am	Ophthalmic Technology Assessments That Will Change Your Practice: A Critical Evaluation of Top-Line Data Stephen Kim, M.D.
8:50 – 9:10 am	Artificial Intelligence in Retina: Hype or Holy Grail? Avni Finn, M.D., M.B.A.
9:10 – 9:30 am	The Evolving Role of Retina Specialists Shriji Patel, M.D., M.B.A.
9:30 – 9:50 am	What is the Future of Ophthalmic Microsurgery? Cynthia A. Toth, M.D.
9:50 – 10:05 am	Panel Discussion/Q&A
10:05 – 10:25 am	Refreshment Break

SECTION 2— Glaucoma

Moderator: Eric Brown, M.D., Ph.D.

10:25 – 10:45 am	How to Incorporate Drug Delivery and SLT as First Line Therapy I. Paul Singh, M.D.
10:45 – 11:05 am	Ocular Hypertension Jeff Mattingly, M.D.
11:05 – 11:25 am	Adding Glaucoma Genetics to Your Diagnostic Arsenal Karen Joos, M.D., Ph.D.

11:25 – 11:45 am	What's Next in Diagnostics and MIGS I. Paul Singh, M.D.
11:45 am – 12:05 pm	Shedding LiGHT on COAST Rachel Kuchtey, M.D., Ph.D.
12:05 – 12:20 pm	Panel Discussion/Q&A
12:20 – 1:20 pm	Lunch

SECTION 3—Cataract

Moderator: Jeff Kammer, M.D.

1:20 – 1:40 pm	Challenging Cataract Cases Uday Devgan, M.D., F.A.C.S., F.R.C.S.
1:40 – 2:00 pm	Being Well: Fulfillment & Longevity in Work & Life Jennifer Lindsey, M.D.
2:00 – 2:20 pm	Lessons from the Cataract Coach Uday Devgan, M.D., F.A.C.S., F.R.C.S.
2:20 – 2:35 pm	Panel Discussion/Q&A
2:35 – 2:55 pm	Refreshment Break

SECTION 4—Oculoplastics

Moderator: Behin Barahimi, M.D.

2:55 – 3:35 pm	<i>The Maurice James, M.D. Lectureship in Ophthalmology:</i> Is There a Real Need for Diversity, Equity, and Inclusion Initiatives Keith D. Carter, M.D.
3:35 – 3:55 pm	Ditzel or Dangerous: Tools to Triage Eyelid Lesions Rachel Sobel, M.D.
3:55 – 4:15 pm	New Treatment Paradigms for Thyroid Eye Disease Behin Barahimi, M.D.
4:15 – 4:35 pm	The Many Faces of Sebaceous Cell Carcinoma Keith D. Carter, M.D.
4:35 – 4:55 pm	Case Presentations
4:55 – 5:10 pm	Panel Discussion
5:10 pm	Adjourn

THE WILLIAM S. AND GRACE SNYDER LECTURESHIP IN OPHTHALMOLOGY

FRIDAY, MAY 13, 2022 • 7:50 – 8:30 A.M.



CYNTHIA A. TOTH, M.D.

DR. CYNTHIA A. TOTH is the Joseph AC Wadsworth Professor of Ophthalmology and a Professor of Biomedical Engineering in the Pratt School of Engineering at Duke University. She completed her undergraduate at Lehigh University and her medical training at The Medical College of Pennsylvania (now Drexel) as part of a 6-year BA-MD program. She served on active duty in the US Air Force, and upon completion of vitreoretinal fellowship training at the University of California, Davis, she pursued research in optical coherence tomography (OCT) with the early inventors and her colleagues at Brooks AFB, Texas.

Dr. Toth succeeded Robert Machemer as the director of the surgical instrument prototyping Duke Eye Center Biophysics Laboratory in the 1990s; she transformed that laboratory to the Duke Advanced Research in SD/SS OCT Imaging (DARSI) Laboratory and also co-founded the Duke OCT Reading Center with Dr. Jaffe. In collaboration with Prof. Joseph Izatt in Duke Biomedical Engineering, she was the first to integrate OCT imaging into use in retinal surgery. With a multidisciplinary team, she is collaborating to

take image-guided ocular microsurgery to the next level to improve surgeon performance. Dr. Toth's translational research has been the genesis for the field of infant OCT imaging and enabled FDA approval in 2012 of the first handheld system for supine infant eye OCT imaging. Her research is focused on a revolutionary approach to infant screening using retinal OCT imaging to examine for retinopathy of prematurity and eye and brain development, to improve eye health and neurodevelopment in vulnerable populations.

Dr. Toth is the Vice Chair of Clinical Research and the Director of Physician-Scientist Development for Duke Eye Center. She has a track record as a successful mentor for student researchers at every level and for NIH K23 awardees. She has won numerous awards including The Hartwell Foundation Research Award and Collaborative Award; Irish Ophthalmologic Society Mooney Medal; Research to Prevent Blindness Physician Scientist Award and Stein Innovation Award; Retina Society Research Award of Merit; Women in Ophthalmology & Women Physician's Section of AMA Mentorship Award; Dean's Translational Research and Mentoring Award; Rockefeller Foundation Academic Writing Residency; Macula Society Paul Henkind Award; Club Jules Gonin Wacker Prize; Women in Ophthalmology Scientific Achievement Award; WSPOS Jack Kanski Medal; and American Society of Retina Specialists Gertrude D. Pyron Award.

GUEST LECTURERS

THE WILLIAM S. AND GRACE SNYDER LECTURESHIP IN OPHTHALMOLOGY

- 1995 — John T. Flynn, M.D.
1996 — Patrick Ho, M.D.
1997 — Herbert E. Kaufman, M.D.
1998 — Roger F. Steinert, M.D.
1999 — Robert N. Weinreb, M.D.
2001 — Creig S. Hoyt, M.D.
2002 — George B. Bartley, M.D.
2003 — Stuart L. Fine, M.D.
2004 — Thomas M. Aaberg, Sr., M.D.
2005 — Richard L. Lindstrom, M.D.
2006 — Peter J. McDonnell, M.D.
2007 — Paul R. Lichter, M.D.
2008 — Stephen J. Ryan, M.D.
2009 — Samuel Masket, M.D.
2010 — Andrew G. Lee, M.D.
2011 — Joel S. Schuman, M.D.
2012 — Douglas D. Koch, M.D.
2013 — Daniel F. Martin, M.D.
2014 — Warren E. Hill, M.D.
2015 — George A. Williams, M.D.
2016 — Allen D. Beck, M.D.
2017 — Steve Charles, M.D.
2018 — Geoffrey Tabin, M.D.
2019 — Eduardo C. Alfonso, M.D.
2021 — Christopher Girkin, M.D.
2022 — Cynthia A. Toth, M.D.



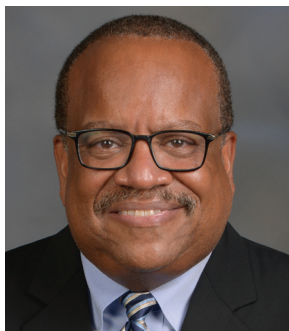
The William S. and Grace Snyder Lectureship in Ophthalmology

was endowed by William B. Snyder, M.D., and his wife, Phyllis, in memory of Dr. Snyder's parents, both of whom practiced medicine in the state of Kentucky.

Dr. and Mrs. Snyder have been longstanding supporters of the Vanderbilt Eye Institute and Vanderbilt University Medical Center. Dr. Snyder is a 1957 graduate of the Vanderbilt University Medical School and a senior partner in Texas Retina Associates based in Dallas, Texas. Dr. and Mrs. Snyder established the William S. and Grace Snyder Visiting Professorship in Ophthalmology and provided a lead gift to establish the J. Donald Gass, M.D. Endowed Fellowship. Dr. Snyder has provided additional leadership following his appointment as Chairman of the Vanderbilt Eye Institute Advisory Board in 2005. In 2006, Dr. and Mrs. Snyder established the Phyllis G. and William B. Snyder Chair in Ophthalmology and Visual Sciences.

THE MAURICE JAMES, M.D. LECTURESHIP IN OPHTHALMOLOGY

FRIDAY, MAY 13, 2022 • 2:55 – 3:35 P.M.



KEITH D. CARTER, M.D.

KEITH D. CARTER, M.D., is the Lillian C. O'Brien and Dr. C. S. O'Brien Chair in Ophthalmology and Professor and Chair of Ophthalmology and Visual Sciences at the University of Iowa Carver College of Medicine and University of Iowa Hospitals and Clinics.

Dr. Carter earned a Bachelor of Science degree in pharmacy from Purdue University and a medical degree from Indiana University. He completed an ophthalmology residency at the University of Michigan, and a fellowship in oculoplastics and orbital surgery at the University of Iowa Hospitals and Clinics. He has been a faculty member at the University of Iowa Hospitals and Clinics since 1988. He served as Residency Program Director for 14 years and was appointed Chairman of the Department of Ophthalmology and Visual Sciences in January 2006. He is board certified by the American Board of Ophthalmology and is a fellow of the American Society of Ophthalmic Plastic and Reconstructive Surgery and American College of Surgeons. He has trained over 20 oculoplastic fellows and countless residents.

He is past President of the American Academy of Ophthalmology and past President of the Association of University Professors of Ophthalmology. He currently serves as the chair of the Executive Committee for the Minority Ophthalmology Mentoring Program.

GUEST LECTURERS

THE MAURICE JAMES, M.D. LECTURESHIP IN OPHTHALMOLOGY

2021 — Eve Higginbotham, M.D.

2022 — Keith D. Carter, M.D.



The Maurice James, M.D. Lectureship in Ophthalmology

promotes the advancement of diversity, equity and inclusion in ophthalmology. This lectureship was established in 2021 to honor the legacy of Dr. Maurice James, who was Vanderbilt ophthalmology's first African American trainee.

Dr. James is a native of Mississippi, but traveled to New York City for medical school, receiving his MD from Columbia. There he became interested in ophthalmology and he went on to complete a residency in ophthalmology at Harlem Hospital, which was a Columbia affiliated hospital. He returned to the south to become not only Vanderbilt's first retina fellow but Vanderbilt ophthalmology's first trainee of color. After Vanderbilt, Dr. James returned to Mississippi, where he was the first board certified ophthalmologist in the state and opened an ophthalmology practice 20 miles from where he was reared and received his early education. In addition to establishing his practice, he associated himself with the pre-health program at his alma mater Tougaloo College, helping prepare other young men and women for admission to medical schools. In addition, he worked with the local Community Health Centers, which were created to serve the underserved and Dr. James took on those patients with enthusiasm and was part of helping to make the mission of community health centers successful. Dr. James is a physician who has truly made a difference in his community, and we are proud that he is a Vanderbilt ophthalmology graduate.

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