On behalf of the Vanderbilt University School of Medicine Department of Ophthalmology and Visual Sciences at the Vanderbilt Eye Institute, we are pleased to present the 2017 Retina Pearls Symposium.

This year’s meeting features a distinguished guest speaker list including Drs. Steve Charles, Franco Recchia, Marc Solomon, and Srinivas Sadda. Along with members of the Vanderbilt Eye Institute faculty, Pearls speakers will discuss a vast array of topics covering all aspects of the retina. The full day scientific program will provide practical and invaluable information geared towards the diagnosis and treatment of retina related issues.

Dr. Steve Charles will deliver this year’s William and Grace Snyder Lecture.

The Vanderbilt Eye Institute remains committed to supporting continuing educational activities for our extended community, while also addressing issues of vision research and providing state-of-the-art eyecare, both now and in the future.

### MEETING REGISTRATION

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

https://medschool.vanderbilt.edu/ophthalmology/retinapearls

### REGISTRATION FEES

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

**Physicians & Optometrists and other health professionals:**
- Early Bird (by April 27): $180
- After April 27: $220

**Non-VU Residents/Fellows:**
- Early Bird (by April 27): $95
- After April 27: $140

**Cancellations:** Cancellations received on or before May 9th will be issued a refund for the amount of the registration fee, less a 20% administrative fee. Vanderbilt University 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

A block of rooms has been reserved at:

**VANDERBILT MARRIOTT**  
2555 West End Avenue • Nashville, TN • 615-321-1300  
$179 + applicable taxes  
Deadline is April 27, 2017

When making your reservations, specify that you are with the Pearls Symposium.

If you have problems making reservations, please contact Lacy Lanier at (615) 936-0044 or lacy.j.lanier@vanderbilt.edu.

### DEADLINES

April 27, 2017

After the deadline, the block of rooms will be released and reservations will be made on a space-available basis at the best available rate.

**Pearls Registration:** April 27 (Early Bird)
STATEMENT OF NEED & LEARNING OBJECTIVES

Many practitioners still prescribe medication and recommend surgical intervention based on outdated principles and beliefs. The goal of the Pearls Symposium is to provide updates on current medical and surgical treatments available for all the common retinal diseases; 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 approaches to:

1. Use evidence-based medicine to appropriately diagnose and manage certain nonsurgical retinal and inflammatory eye conditions
2. Incorporate additive imaging techniques into their daily practice to enhance patient care
3. Recognize conditions that require referral for specialty surgical and nonsurgical Retinal care

TARGET AUDIENCE

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

ACCREDITATION

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

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

Continuing education credits in optometry for the 2017 Retina Pearls Symposium is pending approval from COPE.

The program for ophthalmic technicians has been approved by JCAHPO (Joint Commission on Allied Health Personnel in Ophthalmology) for continuing education credits.
### FRIDAY, MAY 19, 2017

**VANDERBILT MARRIOTT • NASHVILLE**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>7:00 – 7:50 am</td>
<td>Continental Breakfast</td>
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<tr>
<td>7:00 – 5:00 pm</td>
<td>Registration</td>
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<tr>
<td>7:50 – 7:55 am</td>
<td>Welcome · Paul Sterneberg, Jr., M.D.</td>
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<tr>
<td>7:55 – 8:00 am</td>
<td>Introduction · Shriji Patel, M.D.</td>
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**SECTION 1—Surgical Retina**

**Moderator: SHRIJI PATEL, M.D.**

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>8:00 – 8:40 am</td>
<td>William S. and Grace Snyder Lectureship</td>
<td>Steve Charles, M.D.,</td>
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<tr>
<td></td>
<td>Retinal Detachment Surgery, Straightforward to Advanced Without Scleral Buckling</td>
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<tr>
<td>8:40 – 9:00 am</td>
<td>Update on Small-Gauge Vitrectomy</td>
<td>Franco Recchia, M.D.</td>
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<tr>
<td>9:00 – 9:20 am</td>
<td>Macular Surgery – Holes and Puckers</td>
<td>Marc Solomon, M.D.</td>
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<tr>
<td>9:20 – 9:40 am</td>
<td>IOL Fixation – Putting a Lens in its Place</td>
<td>Shriji Patel, M.D.</td>
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<tr>
<td>9:40 – 10:00 am</td>
<td>Panel Discussion</td>
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<tr>
<td>10:00 – 10:20 am</td>
<td>Refreshment Break</td>
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**SECTION 2—Medical Retina**

**Moderator: MILAM BRANTLEY, M.D., PH.D.**

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>10:20 – 10:40 am</td>
<td>Mitochondrial Genetics and Diabetic Retinopathy</td>
<td>Milam Brantley, M.D., PhD.</td>
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<tr>
<td>10:40 – 11:00 am</td>
<td>Dry Age-Related Macular Degeneration – Current and Future Treatment Options</td>
<td>Srinivas Sadda, M.D.</td>
</tr>
<tr>
<td>11:00 – 11:20 am</td>
<td>Wet Age-Related Macular Degeneration – Treatment Paradigms in a World of Value-Based Payment</td>
<td>Paul Sternberg, Jr., M.D.</td>
</tr>
<tr>
<td>11:20 – 11:40 am</td>
<td>Not all Pigment Changes are Macular Degeneration</td>
<td>Edward Cherney, M.D.</td>
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**SECTION 3—Pediatric Retina/Ocular Oncology**

**Moderator: ANTHONY DANIELS, M.D.**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>1:20 – 1:40 pm</td>
<td>Leukocoria – Not Just Retinoblastoma</td>
<td>Anthony Daniels, M.D.</td>
</tr>
<tr>
<td>1:40 – 2:00 pm</td>
<td>Pediatric Retina Pearls for General Practice</td>
<td>Franco Recchia, M.D.</td>
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<tr>
<td>2:00 – 2:20 pm</td>
<td>Retinopathy of Prematurity: Laser vs. Anti-VEGF</td>
<td>Janice Law, M.D.</td>
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<tr>
<td>2:20 – 2:50 pm</td>
<td>Benign Tumors Behaving Badly</td>
<td>Anthony Daniels, M.D.</td>
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<td>2:50 – 3:10 pm</td>
<td>Panel Discussion</td>
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<tr>
<td>3:10 – 3:30 pm</td>
<td>Refreshment Break</td>
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**SECTION 4—Uveitis & Masquerade Syndromes**

**Moderator: STEPHEN J. KIM, M.D.**

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>3:30 – 3:50 pm</td>
<td>Top 10 Clinical Pearls for Managing Uveitis</td>
<td>Stephen J. Kim, M.D.</td>
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<tr>
<td>3:50 – 4:10 pm</td>
<td>White Dot Syndromes</td>
<td>Sapna Gangaputra, M.D., MPH</td>
</tr>
<tr>
<td>4:10 – 4:30 pm</td>
<td>Endophthalmitis after Intravitreal Injection: What the General Practitioner Needs to Know</td>
<td>Stephen J. Kim, M.D.</td>
</tr>
<tr>
<td>4:30 – 4:50 pm</td>
<td>Pediatric Uveitis</td>
<td>Sapna Gangaputra, M.D., MPH</td>
</tr>
<tr>
<td>4:50 – 5:10 pm</td>
<td>Panel Discussion</td>
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</tr>
<tr>
<td>5:10 – 5:20 pm</td>
<td>Adjourn</td>
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STEVE CHARLES, M.D.

Steve Charles, M.D. has developed many of the techniques and devices used by vitreoretinal surgeons worldwide. He has performed over 36,000 vitreoretinal surgeries, lectured in 50 countries and operated in 25, delivered 17 named lectures, and well over 1000 speaking trips. He authored a leading textbook in the field which is now in the 5th edition and in 6 languages and authored over 174 articles in the medical literature and over 50 book chapters. He is a Fellow in the American College of Surgeons and International College of Surgeons and a member of the Retina Society, Macular Society, American Society of Retinal Specialists, Club Jules Gonin, American Society of Cataract and Refractive Surgery, American Academy of Ophthalmology, American-European College of Ophthalmic Surgery, Euro-Lam, and the Dowling Society. He is on the Board of Governors of the ARVO Foundation for Eye Research He is on the editorial board of Retina and a reviewer for Ophthalmology, Archives of Ophthalmology, American Journal of Ophthalmology, and British Journal of Ophthalmology. He has received the Wacker Medal from the Club Jules Gonin, the first Founders Medal from the Vitreous Society, was inducted into the University of Miami School of Medicine Medical Alumni Association Hall of Fame, and was named by Ocular Surgery News as one of the top ten innovators in the past 25 years. He is consistently listed in Best Doctors in America and Becker’s Top 34 Ophthalmologists in America. He is a Clinical Professor of Ophthalmology at the University of Tennessee.

After four years in engineering school, he completed medical school at the University of Miami Leonard Miller School of Medicine. He did research all four medical school years at the Bascom Palmer Eye Institute. After a medical internship at Jackson Memorial Hospital in Miami he completed a residency at the Bascom Palmer Eye Institute followed by a two year Clinical Associate appointment at the National Eye Institute (NIH); focused on vitreoretinal surgery, angiogenesis research, and medical device engineering.

He is a mechanical and electrical engineer and has well over 100 issued or pending patents. He is a consultant for Alcon Laboratories and the principal architect of the Alcon Accurus and Alcon Constellation Vision System. Alcon acquired InnoVision, a company started by Dr Charles, the Alcon Accurus and Constellation product lines are derivatives of InnoVision technology invented by Dr Charles.

He is the Founder of MicroDexterity Systems, which developed robots for dexterity enhancement for minimally invasive knee and hip replacement, spine surgery, and skull base neurosurgery. Stryker, Inc. acquired MicroDexterity Systems, in December 2009.

He is a cofounder, systems engineer, and Chairman of CamPlex Inc, developing advanced visualization technology for MIS spine, neurosurgery and trans-oral approaches to head and neck cancer.

He is on the board of Zeroto510, a medical device seed capital firm based in Memphis.

Steve Charles is an Airline Transport Pilot, Multi-Engine, Instrument rated pilot with Type Ratings in Citation 500, 560, 650, Falcon 50 and Sabre 65 jets and currently owns and flies a Sabre 65.

Dr Charles has three daughters and four grandchildren. The oldest daughter is a gyn surgeon, the middle daughter is a family physician and the youngest is a team building/ropes course/climbing wall/zipline expert.
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.

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.

FOR QUESTIONS OR ADDITIONAL INFORMATION ON:

Meeting Logistics and Related Questions
Lacy Lanier
Vanderbilt Eye Institute
(615) 936-0044
lacy.j.lanier@vanderbilt.edu

Hotel Reservations
Vanderbilt Marriott
2555 West End Avenue
Nashville, TN 37203
(615) 321-1300

Meeting Content
Shriji N. Patel, M.D.
Course Director
Vanderbilt Eye Institute
shriji.patel@vanderbilt.edu

AMERICANS WITH DISABILITIES ACT
It is the policy of Vanderbilt University School of Medicine not to discriminate against any person on the basis of disability.

If you need services or auxiliary aids mentioned in this act in order to fully participate in this continuing education activity, please contact Lacy Lanier at (615) 936-0044 or lacy.j.lanier@vanderbilt.edu