

PROGRAM PURPOSE

The purpose of the LSU Ophthalmology “Resident and Alumni Conference” is to provide high quality lifelong learning opportunities that promote positive change in physician performance or competence, thus enabling such physicians to maintain or improve the knowledge, skills and professional performance. The current activity will provide area ophthalmologists, LSU Health faculty, alumni, and residents with the latest information regarding recent advances made in the use of optical coherence tomography (OCT) in long term glaucoma management. This will result in improved physician competency, better treatment outcomes and greater patient satisfaction. In addition, attendees will learn about the results of the resident clinical and basic science research projects.

LEARNING OBJECTIVES

As a result of attending this activity, participants will be able to apply:

1. “New OCT Paradigms for Detecting the Structural Alterations of Glaucoma and Myopia” Since Helmholtz’s description of the direct ophthalmoscope, clinical examination of the optic disc has been a cornerstone of ophthalmic practice. By current convention, clinical disc assessment requires identification of the outer and inner borders of the neuroretinal rim, respectively, the optic disc margin and optic disc cup. The amount of rim tissue is then estimated as either the ratio of the size of the cup to the size of the disc. Advances in optical coherence tomography (OCT) are permitting visualization of the anatomy of the deep ONH, peripapillary and macular retina, choroid and sclera. We propose strategies for integrating OCT anatomy into the clinical examination of the optic nerve head, peripapillary and macular retinal, choroidal and scleral tissues so as to improve the clinical detection of glaucomatous and myopic structural alteration of these tissues.

2. “Optic Nerve Head Biomechanics in Aging and Glaucoma” In a series of publications we have proposed a framework for conceptualizing the optic nerve head (ONH) as a biomechanical structure. That framework proposes important roles for intraocular pressure (IOP), IOP-related stress and strain, cerebrospinal fluid pressure, systemic and ocular determinants of blood flow, and other non-IOP related risk factors in the physiology of ONH aging and the pathophysiology of glaucomatous damage to the ONH. In this talk I will propose that the defining pathophysiology of a glaucomatous optic neuropathy involves deformation, remodeling, and mechanical failure of the ONH connective tissues. These connective tissue phenomena have primary effects on retinal ganglion cell (RGC) axon and laminar beam capillary homeostasis that eventually lead to RGC axonal injury and RGC cell death. The primary goal of this talk is to explain the importance of including ONH connective tissue processes in characterizing the phenotype of a glaucomatous optic neuropathy in all species. A second goal is to summarize our own and other’s efforts to understand the clinical and pathophysiologic overlaps between ONH aging and glaucoma. A final goal is to suggest ONH targets for future, non-IOP lowering, neuroprotective therapeutic interventions.

The lectures will be followed by open discussion by Ophthalmologists, faculty, residents, and medical students for the formulation of consensus diagnostic and treatment approaches. These research briefs will increase the physician awareness of current clinical research and provide sources for future interactions leading to development of new treatment ideas, procedures, and clinical knowledge.

CME ACCREDITATION & CREDIT DESIGNATION

Louisiana State University Health Shreveport, School of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

Louisiana State University Health Shreveport, School of Medicine designates this live activity for a maximum of **5.25 AMA PRA Category 1 Credit(s)**™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ACKNOWLEDGEMENT

LSU Health Shreveport CME Program adheres to all ACCME standards regarding industry support for Continuing Medical Education.

MORNING SESSION

7:30 Registration/Continental Breakfast

7:50 Welcome by William A. Byrd, MD, Chairman

RESIDENT PRESENTATIONS - Session 1

Moderator: A. Scott Kavanaugh, MD

8:00 Retinal detachment outcomes in Northwest Louisiana  
Robert C. Gokey, MD (PGY4) and Arthur Scott Kavanaugh, MD  
Department of Ophthalmology  
LSU Health Sciences Center, Shreveport, LA

8:15 Late retinal detachments after anti-VEGF treatment for ROP  
Allen Gu, MD (PGY4)<sup>1</sup> and Alan Richards, MD<sup>2</sup>  
Departments of Ophthalmology  
LSU Health Science Center<sup>1</sup> and Highland Clinic<sup>2</sup>,  
Shreveport, LA

8:30 Sagging eye syndrome - diplopia and strabismus after age 50  
Omar Iqbal, MD (PGY4)<sup>1</sup>, John J. Brinkley, MD<sup>1</sup> and Alan B Richards<sup>2</sup>  
Departments of Ophthalmology  
LSU Health Science Center<sup>1</sup> and Highland Clinic<sup>2</sup>, Shreveport, LA

8:45 Results of anti-VEGF plus early laser for posterior aggressive ROP  
Aigerim B. Saulebayeva, MD (PGY4)<sup>1</sup>, and Alan Richards, MD<sup>2</sup>  
Departments of Ophthalmology  
LSU Health Science Center<sup>1</sup> and Highland Clinic<sup>2</sup>,  
Shreveport, LA

9:00 Retrobulbar hematoma following orbital trauma at a level 1 trauma center  
Cynthia M. Noguera, MD (PGY3) and William Byrd, MD  
Department of Ophthalmology  
LSU Health Sciences Center, Shreveport, LA

9:15 Xen gel stent outcomes at LSU Health Shreveport  
Brian D. Walker, MD (PGY3) and Chanping Liang, MD  
Department of Ophthalmology  
LSU Health Sciences Center, Shreveport, LA

9:30 Mid-Morning Break

10:00 STATE-OF-THE-ART LECTURES

Introduction by Dr. Chanping Liang, MD

Claude F. Burgoyne, MD

Van Buskirk Chair for Ophthalmic Research  
Director, Optic Nerve Head Research Laboratory, Devers Eye Institute, Legacy Research Institute  
Clinical Professor of Ophthalmology Oregon Health and Sciences University, Portland, OR



First Lecture:

New OCT Paradigms for Detecting the Structural Alterations of Glaucoma and Myopia

Second Lecture:

Optic Nerve Head Biomechanics in Aging and Glaucoma

12:00 Recognition of Corporate Sponsors & Judges  
Lunch Break (Alumni Day Pictures).

RESIDENT PRESENTATIONS - Session 2

Moderator: John J. Brinkley, MD

1:00 Comparison of Ochsners LSU Health-Shreveport descemet’s stripping automated endothelial keratoplasty (DSAEKs)  
Ashley N. Pickering, MD (PGY3) and Thomas B. Redens, MD  
Department of Ophthalmology  
LSU Health Sciences Center, Shreveport, LA

1:15 Cancel Culture’; corneal culture practices/results at oschner Isu health and practices to improve culture success rates  
Alexandra F. Sellers, MD (PGY3) and Thomas B. Redens, MD  
Department of Ophthalmology  
LSU Health Sciences Center, Shreveport, LA

1:30 A retrospective study regarding outcomes and recurrences of pterygium repair by conjunctival autograft verses primary closure  
David L. Barnes, Jr., MD (PGY2) and William A. Byrd, MD, FAAO  
Department of Ophthalmology  
LSU Health Sciences Center, Shreveport, LA

1:45 Visual performance and patient satisfaction in Alcon AcrySof IQ PanOptix Trifocal IOL: a retrospective chart review  
Kelli M. Coleman, MD (PGY2) and Wyche Coleman, MD  
Department of Ophthalmology  
LSU Health Sciences Center, Shreveport, LA

2:00 Corneal ulcers: culture results and antibiotic choice  
Anna M. Walsh, MD (PGY2) and Thomas B. Redens, MD  
Department of Ophthalmology  
LSU Health Sciences Center, Shreveport, LA

2:15 A case of topical steroid induced cataract  
Chase M. Wilson, MD (PGY2) and Chanping Liang, MD  
Department of Ophthalmology  
LSU Health Sciences Center, Shreveport, LA

2:30 Closing Remarks, Evaluation/Wrap-up/:  
Announcement of Senior Resident Reception & Awards Banquet

2:45 Adjourn

RESIDENT PRESENTATIONS JUDGES

John Hinrichsen, MD	Shreveport, LA
John Carmody, MD	Shreveport, LA
James Northcutt, MD	Shreveport, LA
James Ralston, MD	Pineville, LA

CONFERENCE REGISTRATION

\*Early Bird: by June 1<sup>st</sup> - \$150.00

\*After June 14<sup>th</sup> - \$175.00

REGISTER ONLINE: [www.lsuhsfoundation.org](http://www.lsuhsfoundation.org)

NO REFUNDS available.

\*Includes Meeting Expenses, Honorarium, Continental Breakfast, Coffee Breaks, Lunch and Syllabus.

A CME certificate of attendance can be obtained for an additional fee of \$15 by any non-physician.

Contribution to the Best Resident Presentation:

Make a SEPARATE CHECK payable to Ophthalmology Residency Support Fund [Supporting the “Henderson Award of Achievement”] and mail to:

Department of Ophthalmology  
LSU Health Shreveport  
1501 Kings Hwy.  
Shreveport, LA 71130-393

Senior Reception & Awards Banquet

6:30 P.M. Saturday, June 19, 2021 at  
To Be Determined

Guest \$50.00

Separate check payable to Department of Ophthalmology and mail to: Department of Ophthalmology (as above)

Please RSVP by June 15, 2021

(318) 675-5010

Please pay on or before the day of the event. We appreciate your continued support.

Any questions? Contact Dr. Marlyn Langford

(318) 675-5018 Email: [mlangf@lsuhsc.edu](mailto:mlangf@lsuhsc.edu)

Or

Continuing Medical Education

LSU Health Shreveport  
Shreveport, LA 71130-3932  
Phone: (318) 675-4629  
Website: [www.lsuhsctshreveport.edu/CME](http://www.lsuhsctshreveport.edu/CME)



## PROGRAM DIRECTOR & PLANNING COMMITTEE

**William A Byrd, MD**

Associate Professor of Clinical Ophthalmology  
Chair, Department of Ophthalmology

**A. Scott Kavanaugh, MD**

Associate Professor of Clinical Ophthalmology  
Vice-Chair, Department of Ophthalmology

**Thomas B. Redens, MD**

Associate Professor of Clinical Ophthalmology  
Director, Ophthalmology Residency Program

**Marlyn P. Langford, PhD, FARVO**

Associate Professor  
Director, Resident Alumni Day Meeting

**Laura Mims, BS**

Residency Coordinator  
Department of Ophthalmology

## FACULTY

**David Bryan, MD**

Clinical Assistant Professor  
General Ophthalmology  
Ochsner LSU Health Shreveport

**William A. Byrd, MD**

Associate Professor of Clinical  
Ophthalmology; Oculoplastic  
Chair, Ophthalmology  
Ochsner LSU Health Shreveport

**John J. Brinkley, MD**

Assistant Professor of Clinical  
Ophthalmology, Neuro-  
Ophthalmology  
Associate Director, Residency  
Program  
Clinical Assistant Professor,  
Departments of Neurology and  
Neurosurgery  
Ochsner LSU Health Shreveport

**John Carmody, MD**

Clinical Assistant Professor  
Cornea  
Ochsner LSU Health Shreveport

**Wyche Coleman, MD**

Clinical Instructor  
General Ophthalmology  
Ochsner LSU Health Shreveport

**Jeffrey Faludi, MD**

Clinical Assistant Professor  
General Ophthalmology  
Ochsner LSU Health Shreveport

**Steven B. Flynn, MD, PhD**

Assistant Professor of Clinical  
Ophthalmology; Director  
Ochsner LSU Health Shreveport  
Monroe Medical Center  
Monroe, LA

**John Hinrichsen, MD**

Clinical Assistant Professor;  
Pediatric Ophthalmology  
Ochsner LSU Health Shreveport

**Fredrick R. Kirchner, MD**

Clinical Associate Professor  
General Ophthalmology  
Ochsner LSU Health Shreveport

**A. Scott Kavanaugh, MD**

Associate Professor of Clinical  
Ophthalmology; Vice-Chair,  
Department of Ophthalmology  
Director of Retinal Service  
Ochsner LSU Health Shreveport

**Marlyn P. Langford, PhD, FARVO**

Associate Professor; Head of  
Research  
Ochsner LSU Health Shreveport

**Chanping Liang, MD**

Professor of Clinical Ophthalmology  
Glaucoma  
Ochsner LSU Health Shreveport

**James Northcutt, MD**

Overton Brooks VAMC;  
Chief of Ophthalmology  
General Ophthalmology  
VAMC, Shreveport, LA

**Thomas B. Redens, MD**

Associate Professor of Clinical  
Ophthalmology; Cornea  
Director, Residency Program  
Ochsner LSU Health Shreveport

**Alan Richards, MD**

Clinical Associate Professor;  
Pediatric Ophthalmology  
Ochsner LSU Health Shreveport

**Joel A. Schulman, MD**

Associate Professor; Retina/Uveitis  
Ochsner LSU Health Shreveport  
Russell VanNorman, MD

**Russell H. Van Norman, MD**

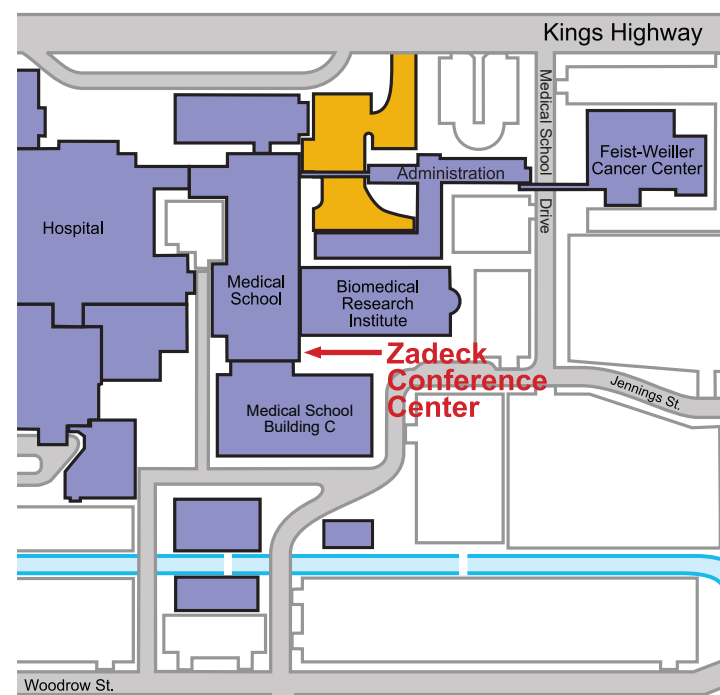
Clinical Instructor  
Cornea  
Ochsner LSU Health Shreveport

**Brian Vekovius, MD**

Clinical Instructor  
Oculo-Plastic & Neuro-  
Ophthalmology  
Ochsner LSU Health Shreveport

Please fill out evaluation and  
attendance verification forms  
before leaving.

We appreciate your attendance  
and continued support!



## LSU Health Sciences Center

Zadeck Conference Center

Shreveport, LA

## DISCLOSURE STATEMENT

It is the policy of Louisiana State University Health Shreveport to ensure balance, independence, objectivity, and scientific rigor in all its educational activities. All individuals who are in a position to control the content of this educational activity are required to disclose all relevant financial relationships with any commercial interest related to the subject matter of the educational activity. Mechanisms to ensure that presentations are free from commercial bias are in place. Faculty will also disclose any off-label and/or investigational use of pharmaceuticals or instruments discussed in their presentations. Full disclosure of this information will be published in the conference materials.

## ACCESSIBILITY STATEMENT

The Louisiana State University Health Sciences Center-Shreveport is committed to providing equal access appropriate to need and circumstance and complies fully with the legal requirements of the Americans with Disabilities Act. If you are in need of special accommodations, please contact our office at 318/675-4721 or via email at [gsamue@lsuhsc.edu](mailto:gsamue@lsuhsc.edu)

Nonprofit Organization  
U.S. POSTAGE  
PAID  
Shreveport, Louisiana  
PERMIT NO. 4

**LSU Health**  
SHREVEPORT

Continuing Medical Education  
1501 Kings Hwy.  
Shreveport, LA 71130

**LSU Health**  
SHREVEPORT

Louisiana State University  
Health Shreveport  
Department of Ophthalmology

# Advances in GLAUCOMA

## 32<sup>nd</sup> Annual Meeting LSU Health Shreveport Ophthalmology Residents & Alumni Conference

Celebrating over 50 years  
of Eye Care to  
Northwest Louisiana

To be held at the  
LSU Health Sciences Center  
Zadeck Conference Center,  
(Room G-221)  
Shreveport, LA

**June 19, 2021**