



2018-2019 CLINICAL CONFERENCE LECTURE SERIES

Friday, November 9, 2018

University of Iowa Hospitals & Clinics
Department of Ophthalmology and Visual Sciences
Braley Auditorium - 01136 PFP
200 Hawkins Drive
Iowa City IA

Claude Burgoyne, MD

Van Buskirk Chair for Ophthalmic Research
Director of the Optic Nerve Head Research Laboratory
Devers Eye Institute, Portland, OR

Faculty Host: **Nathaniel Sears, MD**
Clinical Assistant Professor of Ophthalmology and Visual Sciences
Department of Ophthalmology and Visual Sciences

MEETING SCHEDULE:

- 8:45 AM **Mansour F. Armaly Lecture: Beyond Cup Disc Ratio – OCT Phenotyping
Optic Nerve Head in Health and Disease**
- 9:30 AM **Case Presentations and Discussion**
- 10:00 AM **Break**
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- 12:00 PM **Lunch – East Room, 8023 JCP (Elev F, Level 8)**
- 1:30 PM **Lecture: From Biomechanics to Proteomics – Toward the Mechanisms of Axonal
Insult in Glaucoma**
- 2:30 PM **ADJOURN**

Dr. Burgoyne Disclosure of Relevant Financial Relationships: Heidelberg Engineering (Consultant;
Grant/Research Support)

Claude Burgoyne, MD is a Glaucoma clinician scientist, Van Buskirk Chair for Ophthalmic Research and Director of the Optic Nerve Head Research Laboratory at the Devers Eye Institute in Portland, Oregon. After an undergraduate Bachelor of Arts degree in Architecture and Medical School at the University of Minnesota, he pursued Ophthalmology residency training at the University of Pittsburgh and Glaucoma Fellowship training at the Wilmer Eye Institute at the Johns Hopkins Hospital in Baltimore, MD.

For twelve years he was Director of Glaucoma Services at the LSU Eye Center in New Orleans before moving to Devers in 2005. For the past 23 years his laboratory has been NIH funded to study the effects of aging and experimental glaucoma on the neural and connective tissues of the monkey optic nerve head within 3D histomorphometric reconstructions. This work now extends to studying the cell biology of connective tissue remodeling and axonal insult early in the disease. Building upon its 3D capabilities, his laboratory is also funded to use Optical Coherence Tomography (OCT) to phenotype the deep tissues of the monkey and human optic nerve head, peripapillary retina and macula.

Dr. Burgoyne's honors include the International Glaucoma Review AIGS Award (2004), the Lewis Rudin Glaucoma Prize (2008), the Alcon Research Institute Award (2010); the American Glaucoma Society 2015

Clinician Scientist Lectureship, and the American Academy of Ophthalmology Achievement Award. He is an invited member of the Glaucoma Research Society and a Gold Fellow of the Association for Research in Vision and Ophthalmology, (ARVO), for which, he served as Glaucoma Section Trustee and President.

Purpose: The series of clinical conferences sponsored by the Department of Ophthalmology presents updated information on a broad spectrum of clinical issues and approaches that are of value and interest to the practicing ophthalmologist.

Objectives: Upon completing this conference, participants should be able to:

- Articulate a strategy for integrating OCT anatomy into the clinical examination of the ONH tissues.
- Explain current concepts regarding optic nerve head biomechanics and its contributions to retinal ganglion cell axonal susceptibility in aging and glaucoma.



GENERAL INFORMATION

The University of Iowa prohibits discrimination in employment and in its educational programs and activities on the basis of race, national origin, color, creed, religion, sex, age, disability, veteran status, sexual orientation, gender identity, or associational preference. The University also affirms its commitment to providing equal opportunities and equal access to University facilities. For additional information on nondiscrimination policies, contact the Office of Equal Opportunity and Diversity, 319-335-0705 (voice) and 319-335-0697 (text), 202 Jessup Hall, The University of Iowa, Iowa City, Iowa 52242-1316.

Individuals with disabilities are encouraged to attend all University of Iowa sponsored events. If you are a person with a disability who requires a reasonable accommodation in order to participate in this program, please contact Denise Rettig in advance at 319-356-2866.

Everyone in a position to control the content of this educational activity will disclose to the CME provider and to attendees all relevant financial relationships with any commercial interest. They will also disclose if any pharmaceuticals or medical procedures and devices discussed are investigational or unapproved for use by the U.S. Food and Drug Administration (FDA).

CONTINUING MEDICAL EDUCATION ACCREDITATION

The University of Iowa Roy J. and Lucille A. Carver College of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The Roy J. and Lucille A. Carver College of Medicine designates this live activity for a maximum of **3.75 AMA PRA Category 1 Credit(s)**™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

A \$50 fee will be charged for continuing education credit to those physicians who are not current members of the Iowa Eye Association. (For Iowa Eye Association members, the fee for CME is covered through annual membership fees.) Please make checks payable to Iowa Eye Association and send to Joe Schmidt, Department of Ophthalmology, University of Iowa Hospitals & Clinics, 200 Hawkins Drive, Iowa City, Iowa 52242-1091.

Physicians are encouraged to bring patients to the clinical conferences for presentation and discussion. To be sure there is time available, please schedule your patient with Jenniffer Carpe, BSN, RN, MBA, CNML, at 319-356-7218 or FAX the information (319-356-0363) prior to the conference.

Please inform your patients of the need to register at the Registration Desk in the main lobby of the Pomerantz Family Pavilion before coming to the Eye Institute Reception Desk so that a formal record can be established. There will be no physician's fee for consultation; however, if special laboratory tests are necessary, charges will be made after consulting with the patient.



Joe Schmidt, Director of Clinical Conferences, welcomes your comments and suggestions. He can be reached at 319-384-8529 or via e-mail joe-schmidt@uiowa.edu. For further conference information, contact Tonya Looker at 319-356-8161 or via e-mail tonya-looker@uiowa.edu.

Conference Calendar: www.medicine.uiowa.edu/eye