

GEORGIA NEUROSURGICAL SOCIETY 2016 Annual Spring Meeting

PROGRAM

FRIDAY, MAY 27, 2016

- 4:00 - 5:30PM Registration
- 3:00 - 6:00PM Exhibitors Set-up
- 6:30 - 9:00PM Friday Night Opening Family Dinner on the Beach front Lawn

SATURDAY, MAY 28, 2016

- 7:00 – 8:00AM GNS Board of Directors Meeting
- 7:30 – 9:30AM Registration
- 7:30 – 9:00AM Continental Breakfast & Visit Exhibits
- 8:00AM - 12:55PM **SCIENTIFIC SESSIONS**
The Cloister Ballroom I
- 8:00 - 8:10AM Welcome and Call to Order
Franklin Lin, MD
GNS President
- Ray Walkup, MD**
GNS Program Chair
- 8:10 - 8:50AM *Updates on the Electrical Brain*
Michael Okun, MD
- Objectives:**
- Review selection criteria for DBS
 - Review evidence base for DBS therapy
 - Review indications and outcomes from DBS
- 8:50 – 9:00AM Questions & Answers
- 9:00 - 9:20AM *Tumor Predisposition Syndromes Relevant to Neurosurgery*
Erin Dunbar, MD
- 9:20 – 9:25AM Questions & Answers
- 9:25 – 10:00AM **HONORED GUEST PRESENTATION:**
Cervical artificial discs: Current indications, technique and complication avoidance
Dom Coric, MD
- 10:00 – 10:10AM Questions & Answers

10:10 – 10:40AM **BREAK & VISIT EXHIBITS**

10:40 – 11:50AM ***Resident Paper Contest Presentations – Session #1***

10:40 - 10:50AM *Welcome to the 21st Century - The Use of Technology and Videoconferencing in the Modern Neurosurgical Training Program*

Griffin Baum, MD

Emory University

Objectives:

- describe the components needed for a videoconferencing solution
- identify potential medico-legal pitfalls with the use of technology
- brainstorm potential uses for videoconferencing technology to facilitate e-medicine, tele-medicine, and community referrals to tertiary care centers.

10:50 – 11:00AM *Systematic review and evidence based guideline on hearing preservation outcomes in patients with sporadic vestibular schwannoma*

Jay McCracken, MD

Emory University

Objectives:

- Understand the difference in treatment for vestibular schwannoma
- Understand what influences hearing loss vs. hearing preservation by each treatment modality

11:00 - 11:10AM *The effect of acetazolamide on CSF production*

Michael Moore, MD

Emory University

Objectives:

- give effective doses for acetazolamide to reduce CSF output
- list the potential complications of this therapy

11:10 – 11:20AM *Occipitalcervical fixation using the occipital condyles in a 10 year old patient after chiari decompression.*

Nathan Todnem, MD

Augusta University

Objectives:

- Consider performing Occipitalcervical fixation using the occipital condyles for cranial fixation in patients with cranial defects
- Describe the safe trajectory for screw placement in adult and pediatric patients

11:20 – 11:30AM *Carotid Cavernous Fistula after Pipeline Placement: A Single Center Experience and Review of Literature*

Anil Kumar Roy, MD

Emory University

Objectives:

- Describe treatment options for carotid cavernous fistulas after pipeline placement
- Understand the current best estimates of risk of carotid cavernous fistula formation after pipeline placement

11:30 – 11:40AM *The Role of Perioperative Steroids in Reduction of Postoperative Dysphagia Following Anterior Cervical Spine Surgery: A Systematic Review*

Abidemi Adenikinju

Emory University

Objectives:

- Understand that dysphagia is a significant postoperative complaint following anterior surgical spine surgery

- Discuss the efficacy of local & systemic steroids in reduction of dysphagia severity & incidence
- Identify the utility of perioperative steroid use following ACDF, specifically as it relates to rate of postoperative complications and fusion

11:40 – 11:50AM Resident Section Question & Answers

11:50 – 12:10AM *Should Neurosurgeons Perform Scoliosis Surgery?*
Haroon Choudhri, MD

Objectives:

- Understand the history of deformity surgery
- Understand trends in spine surgical practice
- Learn the steps necessary to increasing the role of deformity surgery in one's practice

12:10 – 12:15AM Questions & Answers

12:15 – 12:30 PM *Non-Traumatic, Posterior Circulation Pseudoaneurysm of The Basilar Artery Summit with Complete Spontaneous Resolution: Case Report and Literature Review*
Nefize Turan, MD

Objectives:

- Learn the pathophysiology and types of pseudoaneurysms
- Learn the different treatment modalities for pseudoaneurysms
- Learn the indications for conservative management in idiopathic aneurysms

12:30 – 12:35PM Questions & Answers

12:35 – 12:50PM *Readmissions in Patients Undergoing Elective Lumbar Fusion Procedures*
Devon Tobey

Objectives:

- Understand the main variables affect rate of readmission.
- Understand the mean reasons for readmission.

12:50 – 12:55PM Questions & Answers

12:55PM ADJOURN

6:30 – 7:30PM Cocktail Reception in the Exhibit Hall

7:30PM Executive Committee / Honored Guest Dinner

SUNDAY, MAY 29, 2016

7:00 - 9:30AM Registration

7:30 – 9:00AM Continental Breakfast & Visit Exhibits

8:00AM - 12:20PM **SCIENTIFIC SESSIONS**
The Cloister Ballroom I

8:00 – 9:20AM *Resident Paper Contest Presentations – Session #2*

8:00 – 8:10AM *Microvascular Decompression of the Optic Nerve*
M. Neil Woodall, MD

Augusta University

Objectives:

- Discuss the anatomy of the optic foramen, anterior clinoid process, and falciform ligament
- Review differential diagnostic considerations for patients with visual loss

8:10 – 8:20AM

Morphological Analysis of the Occipital Condyle for Instrumentation in Infants and Children

Angela Viers, MD

Augusta University

Objectives:

- Evaluate occipital condyles in infants and children for instrumentation
- Determine if an occipital condyle is acceptable for instrumentation in infants and children

8:20 – 8:30AM

Complications and neurologic improvement associated with timing of cranioplasty: A systematic review and meta-analysis

James Malcolm

Emory University

Objectives:

- Understand that hydrocephalus is associated with early cranioplasty while other complications have no significant association
- Understand that early cranioplasty is associated with greater neurologic improvement

8:30 – 8:40AM

Comparison of Fusion and Complication Rates between Recombinant Human Bone Morphogenetic Protein-2 and Beta-Tricalcium Phosphate for Anterior Cervical Discectomy and Fusion

Brain Howard, MD

Emory University

Objectives:

- Compare the fusion and complication rates between rhBMP-2 and beta-TCP
- Discuss the factors contributing to post-operative dysphagia
- Describe the variables affecting pseudoarthrosis and adjacent segment disease

8:40 – 8:50AM

Long Term Outcomes after Stereotactic Radiosurgery for Cerebral Arteriovenous Malformations in Patients with Hereditary Hemorrhagic Telangiectasia

Edward M. Marchan, MD

Augusta University

Objectives:

- Develop a strategy to emphasize the importance of early diagnosis of cerebral AVMs in patients with hereditary hemorrhagic telangiectasia.
- Apply the long term obliteration outcome data presented herein to emphasize the benefit of early treatment with stereotactic radiosurgery in patients with cerebral AVMs with HHT.

8:50 – 9:00AM

Clinical Significance of Isolated Transverse Process Fractures: A Meta-Analysis and Retrospective Study

Jason Boulter

Emory University

Objectives:

- Understand the treatment of ITPFs.
- Understand that patients with ITPFs recover completely without surgery or bracing

9:00 – 9:10AM

Prognostication of Molecular Oligodendrogliomas: Correlation of Genetic Alterations and Magnetic Resonance Imaging

Sameer H. Halani

Emory University

Objectives:

- Describe the new molecular classification scheme of lower-grade gliomas, particularly the molecular oligodendroglioma (i.e. IDH-mut/1p19q code)
- Identify the importance of contrast enhancement and necrosis

9:10 – 9:20AM Resident Questions & Answers

9:20 – 10:05AM **HONORED GUEST PRESENTATION:**
Spine surgery in the ambulatory outpatient setting: State of the art
Dom Coric, MD

10:05 – 10:15AM Questions & Answers

10:15 - 10:45AM **BREAK AND VISIT EXHIBITS**

10:45 – 11:05AM **GNS General Business Meeting**

11:05 – 11:25AM *Optune tumor treating fields: novel treatment or novelty?*
Erin Dunbar, MD

11:25 – 11:30AM Questions & Answers

11:30 – 11:50AM *Endovascular Treatment of Acute Ischemic Stroke*
Scott Rahimi, MD

Objectives:

- Awareness of NIHSS
- Knowledge regarding different tools used for endovascular stroke therapy
- Understanding timing of stroke therapy

11:50 – 11:55AM Questions & Answers

11:55 – 12:15PM *Modifying Factors for Length of Stay (LOS) following Cervical Spine Surgery*
Tanvir Choudhri, MD

Objectives:

- Better understand patient-specific factors that affect LOS following cervical spine surgery
- Better understand surgery-specific factors that affect LOS following cervical spine surgery

12:15 – 12:20PM Questions & Answers

12:20 – 12:30PM Conference Wrap-up & Resident Award

12:30PM ADJOURN