PROGRAM

Saturday, December 5, 2015

7:00 – 8:00AM Registration, Continental Breakfast & Exhibit Visitation

8:00AM – 12:00PM SCIENTIFIC PROGRAM

8:00 – 8:05AM Welcome & Introductions
Frank Lin, MD
GNS President

Ray Walkup, MD
GNS Program Chair

8:05 – 8:35AM Drugs your Patients are on that Effect Neurosurgery Decision-making
Erin Dunbar, MD

8:35 – 8:40AM Questions & Answers

8:40 – 9:55AM RESIDENT PAPER FORUM – PART I
12 minutes each

Vascular injuries during upper cervical spine posterior instrumentation- outcome and management
Oluwaseun O. Akinduro

Objectives:
- Describe the importance of complication avoidance, specifically iatrogenic vascular injury, during atlanto-axial instrumented fusion
- Discuss the methods and tools available for avoidance of vascular injury during C1/2 posterior instrumentation
- Identify effective treatment after iatrogenic vascular injury during atlanto-axial instrumented fusion, as well as intraoperative steps to take after such an occurrence

Glossopharyngeal Neuropathy with Hemodynamic Instability and Syncope Treated with Stereotactic Radiosurgery. Case Report and Review of the Literature
Angela Viers, MD

Objectives:
- Describe glossopharyngeal neuralgia
- Identify stereotactic radiosurgery as a treatment option for glossopharyngeal neuralgia

External Ventricular Drain Placement Practice Variations: Results from a Nationwide Survey
Griffin Baum, MD

Objectives:
- Identify the areas of variation in the insertion and maintenance of EVDs
- Predict the effects of standardization on the practice of EVD insertion
Floating thoracic spine after a double, non-contiguous three column spinal fracture
Arsalaan A. Salehani

Objectives:
- Explain the concept of a three column spinal fracture.
- Describe the incidence of double, noncontiguous three column spinal fractures after trauma.
- Describe the optimal management for these fractures.

Jackson-Pratt Drainage in Pediatric Major Craniofacial Surgery: Are We Helping or Hurting?
Kumar Vasudevan, MD

Objectives:
- Describe patterns in peri-operative blood loss following pediatric major craniofacial surgery
- Describe the potential advantages and disadvantages of using Jackson-Pratt drainage after craniofacial surgery
- Describe the effects of using Jackson-Pratt drainage on ICU and hospital length of stay after pediatric major craniofacial surgery

Degree of Vascular Encasement in Skull Base Meningiomas as a Predictor of Postoperative Complications
Jay McCracken, MD

Objectives:
- Identify which skull base meningiomas are at highest risk for postoperative ischemic complication
- Identify strategies available to avoid ischemic complications intraoperatively

Questions & Answers
9:55 – 10:05AM

10:05 – 10:35AM BREAK & VISIT EXHIBITS

10:35 – 11:20AM HONORED GUEST PRESENTATION:
Clinical Translational Strategies for SCI
Allan D. Levi, MD, PhD

11:20 – 11:30AM Questions & Answers

11:30 – 12:00AM Long-Term Results of Stent-Assisted Aneurysm Embolization
Andrew K. Johnson, MD

Objectives:
- Understand the technical advantages and challenges of stent and flow diverter placement for intracranial aneurysms
- Consider wide-neck and increasingly complex intracranial aneurysms for endovascular management
- Have a consistent paradigm for the follow up of treated intracranial aneurysms

Questions & Answers
12:00 – 12:05PM

12:05 – 12:10PM Announcements & Daily Wrap-up

12:10PM ADJOURN

1:00PM 4th Annual “GNS vs GSO/HNS” Golf Tournament

6:00 – 7:30PM Cocktail Reception in the Exhibit Hall
Sunday, December 6, 2015

7:00 – 8:00AM  **GNS BOARD OF DIRECTORS MEETING**

7:00 – 8:00AM  Registration, Continental Breakfast & Exhibit Visitation

8:00AM – 12:30PM  **SCIENTIFIC PROGRAM**

8:00 – 8:05AM  Welcome & Introductions
Frank Lin, MD
GNS President

Ray Walkup, MD
GNS Program Chair

8:00 – 9:15 AM  **RESIDENT PAPER FORUM – PART II**
12 minutes each

*Percutaneous Instrumentation Without Arthrodesis for Treatment of Thoracolumbar Flexion-Distraction Injuries: A Review of the Literature*
Jason Chu, MD

**Objectives:**
- Describe the mechanism of traumatic flexion-distraction injuries of the thoracolumbar spine.
- Discuss the various treatment modalities for traumatic flexion-distraction injuries of the thoracolumbar spine.
- Discuss the role of minimally invasive surgery and percutaneous instrumentation without arthrodesis for traumatic flexion-distraction injuries of the thoracolumbar spine.

*A Model for Neurosurgical Coverage in a Resource-Limited Setting: Developing Neurosurgical Capacity at L’Hopital Universitaire de Mirebalais (Mirebalais, Haiti)*
Jonathan Riley, MD

**Objectives:**
- Understand the need for decentralization of healthcare provision in Haiti
- Provide an overview for the work done to date to lay the groundwork for a rotation-based model of care at L'Hopital Universitaire de Mirebalais in Mirebalais, Haiti

*Management and Outcomes of Isolated Tentorial and Parafalcine ‘Smear’ Subdural Hematomas at a Level-1 Trauma Center: Is high acuity care necessary?*
Brian Howard, MD

**Objectives:**
- Understand the epidemiology of traumatic smear subdural hematomas
- Understand the factors associated with outcome for patients who suffer traumatic smear subdural hematomas
- Understand resource utilization for patients admitted with traumatic smear subdural hematomas

*Aseptic bone resorption following cranioplasty: A systematic review of overall incidence and risk factors*
James Malcom

**Objectives:**
- Be aware of the overall incidence of resorption
- Consider synthetic bone replacements in pediatric patients.

*The Effects of Cranioplasty on Cerebral Blood Flow: A Systematic Review of the Literature*
Sameer Halani

**Objectives:**
- Understand the effect of cranioplasty on cerebral blood flow.
- Appreciate the different imaging modalities used to calculate cerebral blood flow.
Phase I Trial of Dose-Escalating Temozolomide Plus Bevacizumab and Bortezomib for Patients with Recurrent Glioblastoma

Emma C. Celano

Objectives:

9:15 – 9:25AM Questions & Answers

9:25 – 10:00AM HONORED GUEST PRESENTATION:
The Surgical Management of Spinal Cord and Peripheral Nerve Tumors
Allan D. Levi, MD, PhD

10:00 – 10:10AM Questions & Answers

10:10 – 10:40AM BREAK & EXHIBIT VISITATION

10:40 – 11:10AM The role of Tranexamic Acid in spine surgery: A review and recommendation for implementation
John Cowan Jr., MD

11:10 – 11:15AM Questions & Answers

11:15 – 11:45AM What Patients Ask Neurosurgeons about the Latest in Malignant Gliomas and Metastatic Disease
Erin Dunbar, MD

11:45 – 11:50AM Questions & Answers

Franklin Lin, MD

Objectives:

- Know what tools (ImPACT, Sway) are increasingly used in the management of concussions
- Guide a concussed athlete and direct him/her to proper resources
- Develop a strategy to communicate/work with Athletic Trainers

12:20 – 12:25PM Question & Answers

12:25 – 12:35PM Resident Paper Winner & Meeting Wrap-up & Post-Test

12:35PM ADJOURN