Introduction to Minimally Invasive Subcortical Neurosurgery: Concepts of a Systems Approach
Sponsored by the Subcortical Surgery Group
Boulder, CO

COMPREHENSIVE 2-1/2 DAY EVENT

One Day Course — Introduction to Minimally Invasive Subcortical Neurosurgery: Concepts of a Systems Approach
Thursday, July 20 • 8:00 am - 5:00 pm
St Julien Hotel • Boulder, CO

4th Annual Meeting of the Subcortical Surgery Group
Friday, July 21 • 8:00 am - 5:00 pm
Saturday, July 22 • 8:00 am - Noon
St Julien Hotel • Boulder, CO

ONE DAY COURSE OVERVIEW
Managing subcortical abnormalities has historically posed a difficult challenge for neurosurgeons as non-disruptive access has been limited. This course aims to provide an open forum to discuss evidence-based solutions to this challenge and others.

• Can disruption of surrounding healthy tissue be minimized when accessing deep lesions without compromising extent of resection?
• How can visualization be maximized through a narrow corridor?
• Is bi-manual technique applicable in minimally disruptive approaches?
• What lessons can be learned surrounding hemostasis management in an air medium while operating in the subcortical space?

These questions and more will be addressed by faculty over the course of the one-day training, including current evidence on clinical and economical outcomes. New technologies will be introduced as part of an efficient, integrated, systems approach, and a hands-on skills lab will provide same-day experience with the methods and technologies reviewed. The need for solutions to managing subcortical disease is at the forefront of this training aimed to provide surgeons an overview of new integrated methods for addressing these challenges.

OBJECTIVES

• Assess fundamentals of a microsurgical, bi-manual technique and apply these concepts during hands-on lab sessions for both tumor and intracerebral hemorrhage
• Review principles of minimally disruptive techniques based on fascicular anatomy and common corridors
• Evaluate and integrate technological platforms for addressing the challenges associated with management of subcortical lesions, including controlling hemostasis and effectively delivering optics and light for increased visualization
• Analyze the potential effectiveness of the integrated subcortical systems approach through review of clinical evidence and discussion of real experiences at leading institutions using the approach
• Gauge the potential clinical and economic impact at your facility

FACULTY

Gustavo Pradilla, MD
Assistant Professor of Neurosurgery
Emory University School of Medicine
Chief of Neurosurgery Service
Marcus Stroke & Neuroscience Center
Grady Health System

Kaisorn L. Chaichana, MD
Assistant Professor of Neurosurgery
Oncology, and Otolaryngology - Head and Neck Surgery
Johns Hopkins Medicine
8:00-8:30 am  Registration and Breakfast
8:30-8:35 am  Welcome
8:35-9:15 am  Minimally Disruptive Subcortical Neurosurgery
  • Concepts of the Integrated Subcortical Systems Approach
  • Integration of New Technologies
9:15-10:00 am  Fascicular Anatomy and Common Corridors for Subcortical Abnormalities
10:00-10:45 am  Surgical Applications: Applied Experience in Tumors
  • Similarities & Differences from Traditional Approaches
  • Address Challenges of Microsurgery – Are Solutions Available?
  • Experience at Institution
10:45-11:00 am  BREAK
11:00-11:45 am  Surgical Applications: Applied Experience in Vascular Abnormalities
  • Minimally Disruptive Methods for ICH Management
  • Clinical Trials & Current Standards
  • Similarities & Differences from Traditional Approaches
  • Experience at Institution
11:45-12:30 pm  LUNCH
12:30-1:00 pm  Complication Avoidance
  • Hemostasis Management
  • Challenges of Trans-Sulcal Surgery
1:00-1:30 pm  Appropriate Patient Selection: Case Examples & Lessons Learned
1:30-2:00 pm  Economic Impact: Value of the Systems Approach
2:00-2:15 pm  Technical Review and Adjourn to Lab
  • Demonstration and Learning Objectives Discussion
  • Rotations: Four Sessions
2:30-5:00 pm  Hands-on Skills Lab Rotations
5:00 pm  Course Conclusion

The course, Introduction to Minimally Invasive Subcortical Neurosurgery: Concepts of a Systems Approach, is part of a comprehensive 2-1/2 day event that precedes the 4th Annual Meeting of the Subcortical Surgery Group.

If you are attending the one day course on July 20, you are automatically registered for the SSG Annual Meeting held at the same location on July 21 and 22.

REGISTRATION
Limited to 36 registrants
To register online, click the register button or visit:
https://www.etouches.com/2017SSGCourseandAnnualMeeting
Tuition is waived for this course as part of the SSG Annual Meeting.

QUESTIONS
If you have any questions, please contact:
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Sample Scans
Using the Systems Approach for Subcortical Surgery

Left-Sided ICH

Right Cerebellar Metastasis

PRE-OP POST-OP DAY 1 POST-OP