Modernizing Subcortical Surgery
A Focus on Clinical Outcomes

Over the past three years, the SSG has made steady progress in presenting clinical evidence, new technologies and improved techniques to an integrated surgical approach to the subcortical space. Our 2017 meeting will be educational with the goal of modernizing our surgical approach with presentations showing new clinical evidence, case studies demonstrating functional improvements, as well as, overcoming challenges and barriers that are inevitable with change.

Highlighted Topics:

1. ENRICH: A Randomized Controlled Trial for ICHs
2. Tissue Differentiation Using Fluorescence Guided Surgery
3. Laser Interstitial Thermal Therapy
4. Modern Approaches in Brain Biopsy
5. Meeting the New Healthcare Economic Threshold

Featured Presenters

Gene Barnett, MD, MBA
Cleveland Clinic

Jose Piquer, MD, PhD
Hospital Universitario de la Ribera, Spain

Volker Seifert, MD, PhD
Johann Wolfgang-Goethe University, Germany

Michael Chicoine, MD
Washington University School of Medicine

Registration Details

Space is limited to 85 registrants

To register online, visit www.etouches.com/2017ssg

Register Now
Friday, July 21

7:30 a.m.  
REGISTRATION & BREAKFAST

8:00 a.m.  
Welcome, Mission, & Purpose of SSG  
Julian Bailes, MD: NorthShore University HealthSystem  
• Modernizing Subcortical Surgery – A Focus on Clinical Outcomes

8:15 a.m.  
Keynote Lecture  
Surgery of Gliomas of the Gyrus Cinguli: the Paradigmatic Subcortical Tumor  
Volker Seifert, MD, PhD: Johann Wolfgang-Goethe University, Germany

9:00 a.m.  
Modernizing Subcortical Surgery – A Focus on Clinical Outcomes in Tumor  
A Meta-Analysis of Peer Reviewed Published Data  
Julian Bailes, MD: NorthShore University HealthSystem  
Sean Polster, MD: The University of Chicago Medicine  
Clinical Results in Subcortical Secondary Tumor Surgery  
Gabriel Zada, MD: Keck Medicine of USC  
Laser Interstitial Thermal Therapy and Combination Treatments of Brain Tumors  
Gene Barnett, MD, MBA: Cleveland Clinic  
• Laser Interstitial Thermal Therapy in Treatment of Brain Tumors  
• A Novel Combination of Two Minimally Invasive Surgical Techniques in the Management of Refractory Radiation Necrosis

10:20 a.m.  
BREAK

10:40 a.m.  
Improving Diagnostic Accuracy in Heterogeneous Tumors in Brain Biopsy  
Kaisorn Chaichana, MD: Johns Hopkins University School of Medicine & Rohan Ramakrishna, MD: Weill Cornell Brain and Spine Center  
• The Historical Challenges Inherent in Brain Biopsy  
• Case Review: Improving Tissue Yield and Diagnostic Accuracy in Brain Biopsy

11:10 a.m.  
Emerging Technologies in Subcortical Neurosurgery – A Focus on Gross Total Resection  
Use of Ultrasound for Intraoperative “Real-Time” Visualization with Tubular Retractors  
Brad Zacharia, MD, MS: Penn State Hershey Medical Center  
• Sulci Identification & Managing Tumor Roll  
• Identifying Extent of Resection in Real-Time  
Tissue Differentiation/Fluorescence Guided Surgery and Biopsy in Gliomas with an Exoscope System  
Jose Piquer, MD, PhD: Hospital Universitario de la Ribera, Spain  
• Are They the Answer to Tumor Tissue Differentiation?
12:00 p.m.  iMRI Technical Review and Clinical Results with Tubular Retractor Surgery  
Michael Chicoine, MD: Washington University School of Medicine

12:20 p.m.  LUNCH

1:15 p.m.  New Applications in Trajectory Planning in Subcortical Surgery  
Sebastian Koga, MD, MSt: Ochsner North Shore Region  
- Clinical Reasoning for Trajectory Planning and  
  Why Investing Time Matters to Limit Post-Op Deficits  
- Clinical Implications of Trajectory Planning:  
  Gyral vs Sulcal Approaches

1:45 p.m.  Minimally Disruptive Approaches in Pediatric Neurosurgery

Trans-Sulcal Approach to Pediatric Subcortical Abnormalities  
Ronald Young II, MD: Delray Medical Center  
- Trans-Sulcal Approach: Is it Right in Pediatric Neurosurgery?  
- Review of Surgical Cases and Outcomes

Clinical Application of the Systems Approach in Pediatrics and Future Developments Related to HGG  
Erin Kiehna, MD: USC Keck School of Medicine  
- Case Series Reviewed  
- What the Future May Hold

2:30 p.m.  Complications, Challenges & Learning Curve of Trans-Sulcal Surgery  
What Can Go Wrong? Key Challenges and Tips to Shorten the Learning Curve  
- Clinical Review of Top Challenges to Trans-Sulcal Surgery  
- Do's and Don’ts as you Progress  
- Appropriate Case Selection in Trans-Sulcal Surgery

3:15 p.m.  BREAK

3:30 p.m.  Intraoperative Bio-Specimen Collection, Improving the Molecular Yield

Improving the Value of Harvested Tissue: En Bloc vs. Automated Non Ablated Piecemeal Resection  
Edie Zusman, MD: NorthBay Center for Neurosciences  
- Tissue Preservation Technology and a Standardized Approach to the Intraoperative Collection and Care of the Tumor to Improve Molecular Yield  
- What are the Benefits, Obstacles and Challenges?

4:50 p.m.  Day 1 Wrap-up  
Julian Bailes, MD: NorthShore University HealthSystem

6:00 p.m.  WELCOME RECEPTION  
Red Garden Terrace, St Julien Hotel
Saturday, July 22

7:30 a.m. **BREAKFAST**

8:00 a.m. **Healthcare Economics: A Reality in Today’s Patient Care Continuum**

*Triple AIM: Meeting the New Healthcare Economic Threshold*
*Victoria Phillips: Associate Professor, Emory University Rollins School of Public Health*
- Triple AIM: How it will Impact your Practice and Healthcare Institution
- Economic Impact of Subcortical Procedures at Healthcare Facilities

10:00 a.m. **BREAK**

10:15 a.m. **Subcortical Vascular Abnormalities**

*ENRICH: A Randomized Controlled Trial for Intracerebral Hemorrhages*
*Jonathan Ratcliff, MD, MPH: Emory University School of Medicine*
- ENRICH Randomized Controlled Trial on ICH Update
- Trial Design, Primary and Secondary Endpoints
- ICH Clinical Evidence to Date: Single Center & Multi-Center Experience
*Mark Bain, MD: Cleveland Clinic*
- Is there a Paradigm Shift in What is Surgically Treatable?
- Review of Single and Multi-Center Peer Reviewed Papers
- Discussion of Appropriate Patient Selection Criteria

10:20 a.m. **Traumatic ICH: An Emerging Possibility**
*Jefferson Chen, MD, PhD: UC Irvine Health*
- Minimally Disruptive Approach to Evacuation of tICH
- Decreasing Cerebral Edema and Local Mass Effect

11:00 a.m. **Wrap-up, Questions & Conclusion**
*Julian Bailes, MD: NorthShore University HealthSystem*

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**Registration Details**
To register online, click the register button or visit: [www.etouches.com/2017ssg](http://www.etouches.com/2017ssg)

*Space is limited to 85 registrants*
*No cost for neurosurgeons to attend*

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For questions, contact:
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