Third Annual

Selected Topics in Craniomaxillofacial Surgery:
An International Symposium on Cranioplasty and Implantable Neurotechnology

November 4 - 5, 2017

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Presented by
Department of Plastic and Reconstructive Surgery
& Department of Neurosurgery

Third Annual
Selected Topics in
Craniomaxillofacial Surgery:
An International Symposium on
Cranioplasty and Implantable Neurotechnology

November 4-5, 2017
Modern-day cranioplasty is undergoing a significant paradigm shift related to various techniques, surgical advancements, enhanced neurotechnology, and improved biomaterials. These changes have stimulated us to assemble premier thought leaders in various specialties, including craniofacial plastic surgery and neurosurgery, to meet for the third annual symposium dedicated to the subject of “cranioplasty”—to be hosted this year at Harvard Medical School in Boston, MA. The faculty will present evidence-based data on surgical approaches and state-of-the-art materials, engage and network within a broad array of colleagues and experts, and share high-yield experiences to help attendees improve their patient outcomes. Interactive panel discussions following each lecture will offer the opportunity to debate the evidence, exchange ideas, and gain invaluable insight to assist with the most challenging cases. In addition, a multidisciplinary cadaver course for fellows, residents and medical students has been added. This year’s two-day symposium will engage an international faculty and audience consisting of craniofacial surgery, neurosurgery, plastic/reconstructive surgery, oral/maxillofacial surgery, and otolaryngology/head and neck surgery to explore and elucidate the new insights and advances relative to cranioplasty.

WHO SHOULD ATTEND
This activity is intended for physicians, fellows, residents, medical students and physician extenders in Neurosurgery, Craniofacial Surgery, Plastic and Reconstructive Surgery, Otolaryngology—Head and Neck Surgery, Oral Maxillofacial Surgery and Oculoplastic Surgery.

OBJECTIVES
After attending this activity, the participant will demonstrate the ability to:

- Create a cranioplasty reconstruction management plan, from peri- to post-procedural care.
- Discuss recent advances in cranioplasty techniques and implantable technology, and how you may incorporate them into your practice.
- Translate cranioplasty and implantable neurotechnology research findings to improved outcomes based on recent evidence-based literature.
- Employ cooperative learning to analyze practice barriers and apply multidisciplinary solutions.

ACCREDITATION STATEMENT
The Johns Hopkins University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

CREDIT DESIGNATION STATEMENT
The Johns Hopkins University School of Medicine designates this live activity for a maximum of 13.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

OTHER CREDITS
American Nurses Credentialing Center (ANCC) accepts AMA PRA Category 1 Credit™ from organizations accredited by the ACCME.

American Academy of Nurse Practitioners National Certification Program accepts AMA PRA Category 1 Credit™ from organizations accredited by the ACCME.

American Academy of Physician Assistants (AAPA) accepts certificates of participation for educational activities certified for AMA PRA Category 1 Credit™ from organizations accredited by ACCME. Physician assistants may receive a maximum of 13.0 AAPA Category 1 CME credit(s) for completing this program.
GENERAL INFORMATION

REGISTRATION
Saturday, November 4, 2017 • 6:00 – 7:00 a.m.

LOCATION
Shriners Hospitals for Children
51 Blossom Street
Boston, Massachusetts 02114

FEES
REGISTRATION CUT-OFF DATE: October 29, 2017
Register Online at:

Methods of Payment: We require full payment prior to the start of the activity. On-site payments by credit card only. The registration fee includes instructional materials, continental breakfast, refreshment breaks, and lunch.

Physicians:
Saturday, November 4 only ........................................... $495
Sunday,** November 5 only ............................................. $750
Saturday and Sunday** .............................................. $1,200

Residents*/Fellows*/Allied Health Professionals:
Saturday, November 4 only ............................................. $95
Sunday,** November 5 only ............................................. $100
Saturday and Sunday** ............................................. $195
*with verification of status

**Registration for Sunday’s Cadaver Workshop is limited to 18 spots.

You will receive a confirmation by e-mail. If you have not received it by October 29, 2017, call (410) 502-9634 to confirm that you are registered. A transcript of attendance will be available upon attestation of your credit hours and submission of the post activity online evaluation.

The Johns Hopkins University reserves the right to cancel or postpone any activity due to unforeseen circumstances. In this event, the University will refund the registration fee but is not responsible for travel expenses. Additionally, we reserve the right to change the venue to a comparable venue. Under such circumstances registrants will be notified as soon as possible.

LATE FEE AND REFUND POLICY
A $50 late fee applies to registrations received after 5:00 p.m. ET on October 29, 2017. A handling fee of $50 will be deducted for cancellation. An additional fee may apply for cancellation of other events, including workshops and social activities. Refund requests must be received by fax or mail by October 29, 2017. No refunds will be made thereafter. Transfer of registration to another Johns Hopkins activity in lieu of cancellation is not possible.

SYLLABUS
The syllabus will be accessible online and via your mobile device in the Cloud App prior to the activity. This is included in the cost of your registration. A link to the syllabus will be provided via email shortly before the activity begins if you prefer to study or print the syllabus.
EVALUATION AND OUTCOMES SURVEY
Post activity, an online evaluation form will be available to attendees to evaluate the activity and individual presentations and identify future educational needs. Upon completion of the evaluation, the learner must attest to the number of hours in attendance. Credits earned will be added to the learner’s transcript and immediately available for print.
A survey will be sent to all physician attendees within three months post activity to assist us in determining what impact this activity had on the learner’s practice.

EMERGENCY CALLS
On November 4, 2017 only, direct emergency calls to (617) 722-3000 and ask that a message be sent to the Johns Hopkins registration desk. Messages will be posted for participants.

AMERICANS WITH DISABILITIES ACT
The Johns Hopkins University School of Medicine fully complies with the legal requirements of the ADA and the rules and regulations thereof. Please notify us if you have any special needs.

POLICY ON SPEAKER AND PROVIDER DISCLOSURE
It is the policy of the Johns Hopkins University School of Medicine that the speaker and provider globally disclose conflicts of interest. The Johns Hopkins University School of Medicine OCME has established policies in place that will identify and resolve all conflicts of interest prior to this educational activity. Detailed disclosure will be made in the instructional materials.

ACKNOWLEDGEMENT
Applications for commercial support from health care related industries are pending. A complete list of contributors will be provided in the syllabus. Please note that commercial support received is solely for the educational component of the activity and will not be used to provide food and beverage.

Please note: The Physician Payments Sunshine Act was enacted by Congress to increase public awareness of financial relationships between drug and medical device manufacturers and physicians. In compliance with the requirements of this Act, the commercial supporter/s of this activity may require the Johns Hopkins University School of Medicine to report certain professional information (such as name, address, National Provider Identifier (NPI), and State License number) of physician attendees who receive complimentary food and beverage in conjunction with a CME activity. The commercial supporter is required to submit the collected data to the Centers for Medicare and Medicaid Services which will then publish the data on its website.

SAVE THE DATE
Fourth Annual
Selected Topics in Craniomaxillofacial Surgery:
An International Symposium on Cranioplasty and Implantable Neurotechnology
November 3 – 4, 2018
Baltimore, Maryland
Program

Saturday, November 4, 2017

6:00 - 7:00  Registration and Continental Breakfast

7:00 - 7:10  Welcome and Conference Goals
             Chad Gordon, DO, FACS

7:10 - 7:20  Chairman's Welcome
             Henry Brem, MD

7:20 - 7:30  A Patient's Perspective

Session 1: Implantable Neurotechnology

Moderator: Michael Yaremchuk, MD

(Each Lecture Will Include Five Minutes for Question and Answer)

7:30 - 7:50  Recent Developments In Optogenetics
             Edward Boyden, PhD

7:50 - 8:10  Use of Ultrasound in Neurocranial Surgery
             Francesco DiMeco, MD

8:10 - 8:30  Gliadel and Combined Radiation Therapy
             Michael Lim, MD

8:30 - 8:50  Convection-Enhanced Delivery for Brain Tumors
             Jon Weingart, MD

8:50 - 9:10  Implantable Shunts for Hydrocephalus
             Mark Luciano, MD, PhD

9:10 - 9:30  Patient-Reported Barriers to Pediatric Epilepsy Surgery
             Barbara Vickrey, MD, MPH

9:30 - 9:50  Patient Selection for Implantable Neuromodulation
             Gregory Bergey, MD

9:50 - 10:00 Refreshment Break

10:00 - 10:30 Third Annual Keynote Lectureship
               Medical Device Innovation and Neurosurgical Collaboration
               Robert Langer, ScD

10:30 -10:50  Neurostimulation for Movement Disorders
               Jonathan Miller, MD

10:50 -11:10  Neurostimulation for Epilepsy
               William Anderson, MD

11:10 -11:30  Deep Brain Stimulation for Stroke Recovery
               Kenneth Baker, PhD

11:30 -11:50  Non-Invasive Neurostimulation with Ultrasound
               Elisa Konofagou, PhD

11:50 -12:10  Low-Profile Intracranial Devices with Power
               Chad Gordon, DO, FACS

12:10 -12:40 Lunch

Session 2: Cranioplasty and Craniofacial Implants

Invited Discussant: Peter Taub, MD

12:40 - 1:00  Orbital-Cranial Reconstruction with Implants
               Gaby Doumit, MD

1:00 - 1:20  Cranial Implants for Pediatric Patients
               Gianluca Piattelli, MD

1:20 - 1:40  Pterional Implants for Skull Defects and Temporal Hollowing
               Michael Lawton, MD

1:40 - 2:00  Deformity Correction Post-Cranial Vault Reconstruction
               Nivaldo Alonso, MD, PhD
2:00 - 2:20 Lessons Learned With Neurosurgery
   Michael Yaremchuk, MD
2:20 - 2:30 Refreshment Break

Session 3: Neurocranial Reconstruction and Post-Traumatic Cranioplasty

Invited Discussant: Rafael Tamargo, MD

2:30 - 2:50 Brain Tumors and Neuro-reconstruction
   William Curry, MD
2:50 - 3:10 Managing Civilian Neurotrauma
   Bizhan Aarabi, MD
3:10 - 3:30 Neurocranial Injuries from the Battlefield
   Randy Bell, MD
3:30 - 3:50 Spectroscopic Navigation in Neurocranial Surgery
   Alexander Potapov, MD, PhD
3:50 - 4:10 Free Tissue Transfer for Neurocranial Defects
   Steven Bonawitz, MD
4:10 - 4:30 Tissue Expansion of the Scalp
   Branko Bojovic, MD
4:30 - 4:50 Methods to Correct Post-neurosurgical Deformities
   Chad Gordon, DO, FACS
4:50 - 5:10 Scalp Augmentation and Dura Repair with Fascia
   Gabriel Santiago, MD
5:10 - 5:15 Closing Remarks
   Chad Gordon, DO, FACS and Michael Yaremchuk, MD

Sunday, November 5, 2017

Boston Bioskills Lab

7:00 - 7:45 Registration and Continental Breakfast
7:45 - 7:55 Welcome and Faculty Overview
8:00 - 9:45 Session I: Neurosurgical Approaches to the Craniofacial Skeleton
   1. Burr hole for Ventriculostomy Placement
   2. Pterional Craniotomy for Trauma
   3. Parasagittal Craniotomy
   4. Bifrontal Craniotomy for Frontal Sinus Trauma
   5. Orbito-zygomatic Osteotomy
   6. Occipital Craniotomy
   7. Posterior Fossa Craniotomy
9:45 - 10:00 Refreshment Break
10:00 - 11:45 Session II: Neurocranial Reconstruction and Cranioplasty Technique
   1. Bifrontal Cranioplasty for Frontal Bone/Frontal Sinus Trauma
   2. Pterional Cranioplasty Reconstruction with Customized Cranial Implant
   3. Hemicraniectomy Cranioplasty Reconstruction with Customized Cranial Implant
   4. Chiari Reconstruction with Alloplastic Implant
   5. Temporal Hollowing Correction with Methyl Methacrylate
   6. Complex Scalp Reconstruction for Large Defects
11:45 -12:00 Closing Remarks
TO REGISTER or FOR FURTHER INFORMATION:
Register Online (credit card and eCheck)
Register by Phone ..................................................... 410-502-9634
Register by Fax.......................................................... 866-510-7088
General Information .................................................. 410-955-2959
Confirmation/Transcripts/Certificates .................................. 410-502-9634
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COURSE NUMBER 80042665 / 9870

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To Register:
Online: https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=9870
FAX: (866) 510-7088 Phone: (410) 502-9634
Or mail this form to the Johns Hopkins University, Office of Continuing Medical Education, 720 Rutland Avenue, Baltimore, Maryland 21205. Include e-check or credit card information below.

FULL PAYMENT IS REQUIRED PRIOR TO THE START OF ACTIVITY.

☐ I am a Johns Hopkins speaker for this activity.

Please type or print clearly

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first name

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primary specialty

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What do you hope to learn by attending this activity?

________________________________________________________________________

Please notify us if you have any special needs.

________________________________________________________________________

Registration Fees

Physicians:

Saturday, November 4 only ................................................................. $495
Sunday, November 5 only ................................................................. $750
Saturday and Sunday ................................................................. $1,200

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Saturday, November 4 only ................................................................. $95
Sunday, November 5 only ................................................................. $100
Saturday and Sunday ................................................................. $195

*with verification of status

Total amount enclosed $ __________

The registration fee includes instructional materials and food and beverage. For registrations received after 5:00 p.m. ET on October 29, 2017, include a $50 late fee. On-site registrations are payable only by credit card.

Payment Type

JHU Faculty/Staff Only:
If you are using your Tuition Remission Benefit or an ION budget, please upload your fully completed and approved form in the payment section of the activity link above.

☐ TR Form: http://benefits.jhu.edu/documents/trffacandstaff.pdf
☐ ION Form: http://hopkinscme.edu/migration/IonRequest.pdf

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