



8:51 - 9:03 **Jon Weingart** (Hopkins) “*Convection-enhanced delivery for brain tumors*”  
9:03 – 9:08 Q and A 5 minutes  
9:08 – 9:20 **Mark Luciano** (Hopkins) “*Implantable Shunts for hydrocephalus*”  
9:20 – 9:25 Q and A 5 minutes  
9:25 – 9:37 **Barbara Vickrey** (Mt Sinai) “*Patient-reported barriers to pediatric epilepsy surgery*”  
9:37 – 9:42 Q and A 5 minutes  
9:42 – 9:54 **Greg Bergey** (Hopkins) “*Patient selection for implantable neuromodulation*”  
9:54 – 9:59 Q and A 5 minutes

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10:00 – 10:10 **COFFEE BREAK AND SNACKS (10 MINUTES)**

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10:12 – 10:24 **Jonathan Miller** (Case Western) “*Neurostimulation for Movement Disorders*”  
10:24 – 10:29 Q and A 5 minutes  
10:29 – 10:41 **William Anderson** (Hopkins) “*Neurostimulation for Epilepsy*”  
10:41 – 10:46 Q and A 5 minutes  
10:46 – 10:58 **Ken Baker** (Clev Clinic) “*Deep brain stimulation for stroke recovery*”  
10:58 – 11:03 Q and A 5 minutes  
10:50 – 11:02 **Elisa Konofagou** (Columbia) “*Non-invasive neurostimulation with ultrasound*”  
11:02 – 11:07 Q and A 5 minutes  
11:07 – 11:19 **Chad Gordon** (Hopkins) “*Low-profile intracranial devices with power*”  
11:19 – 11:24 Q and A 5 minutes

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**LOCATION: SHRINERS HOSPITAL (35-MINUTE LUNCH BREAK)\***

11:25 – 12:00 \*Box Lunch for all registered guests

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**Session 2 Cranioplasty and Craniofacial Implants**

**Moderator: Chad Gordon**

12:00 – 12:12 **Gaby Doumit** (Canada) “*Orbito-cranial reconstruction with implants*”

12:12 – 12:17	Q and A	5 minutes
12:17 – 12:22	<b>Gianluca Piatelli</b> (Italy)	<i>“Cranial Implants for pediatric patients”</i>
12:22 – 12:27	Q and A	5 minutes
12:27 – 12:39	<b>Michael Lawton</b> (UCSF/Barrow)	<i>“Pterional Implants for skull defects and temporal hollowing”</i>
12:39 – 1:44	Q and A	5 minutes
1:44 – 1:56	<b>Nivaldo Alonzo</b> (Brazil)	<i>“Deformity correction post-cranial vault reconstruction”</i>
1:56 – 2:01	Q and A	5 minutes
2:01 – 2:13	<b>Alexander Potapov</b> (Russia)	<i>“Spectroscopic Navigation in Neuro-cranial Surgery”</i>
2:13 – 2:18	Q and A	5 minutes

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2:20 – 2:30                    **COFFEE BREAK AND SNACKS (10 MINUTES)**

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### **Session 3                    Neurocranial Reconstruction and Post-Traumatic Cranioplasty**

**Invited Discussant:                    Rafael Tamargo**

(Slides to be sent in advance to Dr. Tamargo)

2:30 – 1:42	<b>William Curry</b> (MGH)	<i>“Brain tumors and neuro-reconstruction”</i>
2:42 – 2:48	Q and A	5 minutes
2:48 – 3:00	<b>Bizhan Aarabi</b> (Shock Nsgn)	<i>“Managing civilian neurotrauma”</i>
3:00 – 3:05	Q and A	5 minutes
3:05 – 3:17	<b>Randy Bell</b> (Walter Reed)	<i>“Neuro-cranial injuries from the battlefield”</i>
3:17 – 3:22	Q and A	5 minutes
3:22 – 3:34	<b>Michael Yaremchuk</b> (MGH)	<i>“Lessons learned with Neurosurgery”</i>
3:34 – 3:46	Q and A	5 minutes
3:46 – 3:58	<b>Steven Bonawitz</b> (Cooper)	<i>“Free tissue transfer for neurocranial defects”</i>
3:58 – 4:03	Q and A	5 minutes
4:03 – 4:15	<b>Matthew Donelan</b> (Harvard)	<i>“Tissue Expansion of the scalp”</i>
4:15 – 4:20	Q and A	5 minutes
4:20 – 4:32	<b>Chad Gordon</b> (Hopkins)	<i>“Methods to correct post-neurosurgical deformities”</i>

4:32 – 4:37	Q and A	5 minutes
4:37 – 4:49	<b>Gabriel Santiago</b> (Hopkins)	“ <i>Scalp augmentation and dura repair with fascia</i> ”
4:49 – 4:54	Q and A	5 minutes

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4:55 – 5:00 Closing Remarks (Yaremchuk/Gordon)

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Sunday (half-day), November 5<sup>th</sup> 2017

Location – TBD (fresh cadaver lab in Boston)

600-700am Registration

600-700am breakfast and coffee (**Shriners Hospital Lobby**)

*\*room block at Liberty Hotel*

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Invited Cadaver Course Faculty:

**Anand Kumar, MD**

Chief, Pediatric Plastic Surgery, UH Rainbow Babies and Children’s Hospital  
Professor, Plastic Surgery, CWRU School of Medicine

**Kaisorn L. Chaichana, MD**

Assistant Professor of Neurosurgery, Oncology, and Otolaryngology - Head & Neck Surgery  
Johns Hopkins University School of Medicine

**Mari Groves, MD**

Assistant Professor of Neurosurgery  
Division of Pediatric Neurosurgery  
Johns Hopkins University School of Medicine &  
University of Maryland School of Medicine

**Gabriel Santiago, MD**

Clinical Instructor of Plastic Surgery  
Johns Hopkins University School of Medicine

**Graeme Woodworth, MD**

Associate Professor of Neurosurgery

University of Maryland School of Medicine

**Pankaj Agarwalla, MD**

MGH/Chief Resident

Neurosurgery

**Edward Reece, MD, MBA**

Chief Adult Plastic Surgery

Baylor College of Medicine

Hand and Microvascular Surgery

Texas Children's Hospital

**Amir Wolff, DMD, OMFS**

Attending Surgeon

Department of Oral and Maxillofacial Surgery

Rambam Health Care Campus

Haifa, Israel

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**Proposed Agenda**

700 – 730 am	Registration Desk opens for Residents, Fellows and Faculty
700 – 745am	Breakfast served
745 – 755am	WELCOME/INTRODUCTION OF CADAVER COURSE FACULTY
800 – 945am	Session I: Neurosurgical Approaches to the Craniofacial Skeleton
945 – 10am	COFFEE AND SNACK BREAK
1000 – 1145am	Session II: Neuro-cranial Reconstruction and Cranioplasty Technique
1145 - 1200PM	FINAL REMARKS FROM COURSE FACULTY / EXIT SURVEY

**SESSION I      800 – 945am      **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

SESSION II      1000 – 1145am      **Neuro-cranial 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