stryker

Surgical techniques **in neurosurgery**

Stryker Learning Center | Salt Lake City, Utah | August 22-25, 2019

Course directors

Michael Lawton, MD
Barrow Neurological Institute
Phoenix, AZ

Daniel Refai, MD
Emory Spine Center
Atlanta, GA

Date: August 22-25, 2019

Location

Stryker Learning Center
4870 W 2100 S Suite B,
Salt Lake City, UT 84120

Course objective

The surgical techniques in neurosurgery program includes lectures and hands-on lab sessions. Residents will be educated on healthcare economics and surgical techniques and skills relevant to senior level residency.

Faculty

Erica Bisson, MD
University of Utah
School of Medicine
Salt Lake City, UT

Shah-Nawaz Dodwad, MD
Memorial Hermann
Health System
Houston, TX

Steven Fulop, MD
Philadelphia VA
Medical Center
Philadelphia, PA

Praveen Mummaneni, MD
UCSF Spine Center
San Francisco, CA

Gustavo Pradilla, MD
Grady Memorial
Hospital
Atlanta, GA

Srinivas Prasad, MD
Jefferson University
Hospital
Philadelphia, PA

Lee Tan, MD
UCSF Spine Center
San Francisco, CA

Phil Taussky, MD
University of Utah
School of Medicine
Salt Lake City, UT

Michael Wang, MD
University of Miami
Hospital
Miami, FL

Gabriel Zada, MD
Keck Hospital of USC
Los Angeles, CA

Participating divisions of Stryker

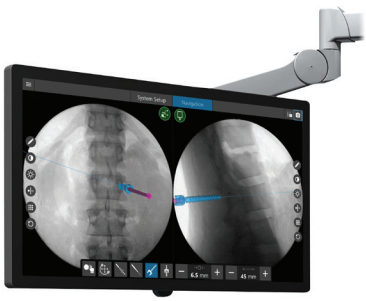
Advanced Guidance Technologies, Craniomaxillofacial, Endoscopy, Interventional Spine, Neurosurgical, Neurovascular, and Spine.

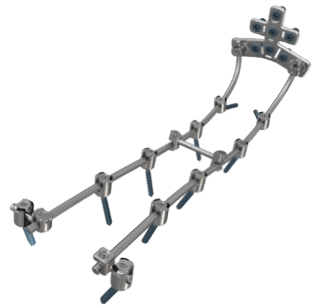
Thursday, August 22

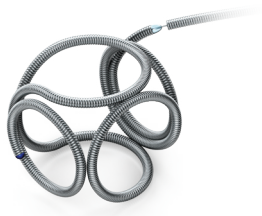
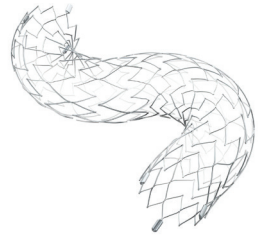
6:00-8:00 pm	**Course welcome reception and presentation** (Daniel Refai, MD Co-Chairman, Spine Healthcare Economics)

Friday, August 23

7:00 am	**Depart to Stryker Learning Center**
7:30-8:00 am	**Breakfast and welcome**
8:00-10:00 am	**Spine lecture and technique/case series: Cervicothoracic** • Cervical surgical approaches and stabilization techniques: – Anterior – Posterior • Occipitocervical and Atlanto-axial approaches and stabilization • Complication avoidance and management in cervical spine surgery • Vertebral Augmentation: access needle placement and imaging techniques • Challenging cases: pearls and pitfalls in the cervicothoracic spine
10:00 am-12:00 pm	**Spine hands-on cadaver lab** • Anterior/Posterior Cervical surgical approaches, techniques and fixation • Vertebral Augmentation: access needle placement and imaging techniques
12:00-1:00 pm	**Working lunch/case discussion: IVS/SpineJack system presentation**
1:00-3:00 pm	**Spine lecture and technique/case series: lumbar** • Degen to deformity: evaluating and achieving sagittal balance in all spine cases • Complication avoidance and management in lumbar spine surgery • Considerations for biologics and materials for achieving fusion • Challenging cases: pearls and pitfalls in the lumbar spine
3:00-5:00 pm	**Spine hands-on cadaver lab** • Anterior/Posterior Lumbar surgical approaches, techniques and fixation • Open and MIS, lateral, laminectomy, discectomy, cortical screws, navigation with percutaneous screws, vertebral augmentation: SpineJack and balloon kyphoplasty
5:30-6:30 pm	**Stryker's neurotech product fair**
7:00-9:00 pm	**Group dinner**





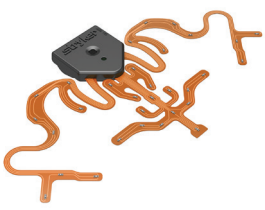



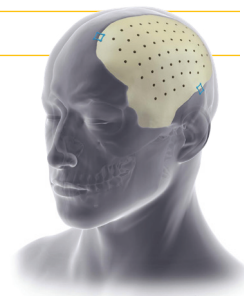

Saturday, August 24

7:00 am	**Depart to Stryker Learning Center**
7:30-8:00 am	**Breakfast**
8:00-9:30 am	**Cranial Lecture Series: Endoscopic Skull Base approaches** • Transsphenoidal • Transplanum/Transtuberculum • Transcribriform • Transclival • Transpterygoid • Managing Vascular Complications
9:30-10:30 am	**Neuro Interventional** • Aneurysm treatment • Stenting • Thrombectomy
10:30 am-12:30 pm	**Cranial/Skull Base lab** • Endoscopic Lab • Carotid Artery Simulation • Neurovascular Simulators/Flow Models
12:30-1:30 pm	**Lunch: Case discussions**
1:30-2:30 pm	**Cranial Lecture Series: Open Anterior/Middle Cranial Approaches** • Pterional • Cranio-Orbito-Zygomatic • Eyebrow Supraorbital • Pre-temporal Transcavernous • Anterior Petrosectomy
2:30-3:00 pm	**Open Cranial approaches for Vascular Disorders**
3:00-5:00 pm	**Open Cranial/Skull Base lab** • Pterional, COZ, Cavernous Sinus approach, Anterior Petrosectomy, Clinoidectomy, Optic Nerve Decompression • Neurovascular Simulators/Flow Models
7:00-9:00 pm	**Group dinner and lecture: Landscape and Evolution of Neurosurgery** (William Couldwell, MD, PhD, FACS, Professor and Chair, Department of Neurosurgery, University of Utah)

Sunday, August 25

7:00 am	**Depart to Stryker Learning Center**
7:30-8:00 am	**Breakfast**
8:00-9:00 am	**Cranial Lecture Series: Lateral Skull Base approaches** • Retrosigmoid • Far Lateral Transcondylar • Retrolabyrinthine • Translabyrinthine
9:00 am-12:00 pm	**Cranial/Skull Base lab** • Lateral skull base approaches
12:00 pm	**Adjourn and departures**





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Literature Number: CMF-BR-67 Rev.1_11847