Program Description:

The purpose of this course is to advance the Mid Level Practitioner’s practical, clinical, and procedural skills in Neurological surgery. This course will combine lectures, panel/case discussions, as well as hands-on practical experience.

Date and Location:

September 29-30, 2016
The Lodge at Whitefish Lake
Whitefish, MT

Registration:

Space is limited to 40 participants for the two day course. Reservations will be made on a first come, first served basis. Please see the attached registration form, which will describe what is included in the course.

Accommodations:

The Lodge at Whitefish Lake
1380 Wisconsin Ave - Whitefish, MT 59937

Course Objectives:

At the conclusion of this program, the participants should show competency in:

* Craniotomy Skills
* DBS/Pain Pump Simulation
* EVD Placement Simulator
* ICP monitor/EVD placement
* LP/Lumbar Drainage
* Neurological Evaluation of Adult and Pediatric Patients
* Pedicle Screw Fixation
* Radiologic Interpretation of Spine and Cranial Imaging
* Shunt Programming/Shunt Tapping
* Spinal Navigation

Course Directors:

Director: Tacey E.P. Griffin, PA-C
Co-Director: T.C. Origitano, MD, PhD

Course Faculty: TBD

Robert Griffin, PA-C
Mikal Bailey, PA-C
Andrew Cole, MD
Joshua Krass, DO
Joseph Sramek, MD
Rachel Zeider, MD

Neuroscience & Spine Institute
Neuroscience & Spine Institute
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Guest Faculty:

Tracey Anderson, CNRN, FNP-BC, ACNP-BC
Kelly Schmidt, MD

Colorado Health Medical Group
Sunrise Hospital, Las Vegas
# Course Agenda

**Thursday, September 29 - SPINE**

7:00 am  **Check-in & BREAKFAST**

**LECTURES: All lectures will be based around case discussion**

<table>
<thead>
<tr>
<th>Time</th>
<th>Lecture</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>8:00 am</td>
<td>Welcome and Introductions</td>
<td>TC Origitano</td>
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<tr>
<td>8:10 am</td>
<td>Spinal Imaging Review</td>
<td>T. Griffin</td>
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<tr>
<td>8:50 am</td>
<td>Spinal Emergencies (Case based approach)</td>
<td>J. Sramek</td>
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<tr>
<td>9:30 am</td>
<td>Common Spinal Pathologies/Diagnoses</td>
<td>M. Bailey</td>
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<tr>
<td></td>
<td><strong>BREAK</strong></td>
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<tr>
<td>9:50 am</td>
<td>Review of Surgical Anatomy</td>
<td>R. Griffin</td>
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<tr>
<td>10:30 am</td>
<td>Physician Assistant/Nurse Practitioner Updates</td>
<td>T. Anderson</td>
</tr>
<tr>
<td>11:10 am</td>
<td>Skills Stations Overview</td>
<td>T. Griffin</td>
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</tbody>
</table>

12:00 pm **LUNCH**

**Participants break into two groups during Sessions A&B**

1:00 pm-5:00 pm  **SESSIONS A&B (Spinal Skill Stations)**

- Pedicle Screws with Navigation
- Truck: O-Arm and Navigation with Hardware Instruction
- DBS, Pain-pump Simulation/Neuro-modulation
- Lumbar Puncture/Lumbar Drain Placement

6:45 pm  Lodge shuttle to course dinner

7:00 pm  Course dinner – TBD, Whitefish
Course Agenda

Friday, September 30 - CRANIAL

7:00 am  BREAKFAST

LECTURES: All lectures will be based around case discussion

8:00 am  Questions and Comments from Day 1

8:10 am  Cranial Imaging Review  S. Campbell

8:50 am  ICP/CBF Considerations for Intracranial Path  TC Origitano

9:30 am  Cranial Emergencies (Case based approach)  J. Krass

BREAK

9:50 am  Concussion/Closed Head Injury/Traumatic Brain Injury  A. Cole/R. Zeider

10:30 am  Pediatric Emergencies  K. Schmidt

11:10 am  Skills Station Overview  T. Griffin

12:00pm  LUNCH

**Participants break into two groups during Sessions A&B**

1:00 pm-5:00pm  SESSIONS A&B (Craniotomy Skill Stations)

- Cranial Tong Placement
- ICP Monitor Placement
- EVD Placement
- VP Shunt (tap and programming)
- Craniotomy (Drilling/Bone Dissection, Cranial Flaps, Dura Closure, Flap Fixation, Skin Closure)

5:00pm  Closing Discussion and Thank You’s

**This course qualifies for 25 Category II CME credits (if all lectures and labs are attended).**

**Special Recognition to:** Jennifer Standley (NSI Service Line Manager), Willie Fae Deering (NSI Program Coordinator), Jamie Mack

For more information, please contact:
Willie Fae Deering - wdeering@kmc.org  Program Coordinator - Neuroscience & Spine Center (406) 752-5170