

**Sixth Annual ONE Spine Residents & Fellows Course
at the Seattle Science Foundation
August 14-16, 2015
Seattle, Washington**

COURSE CHAIRMEN

*Rod J. Oskouian Jr., MD
Swedish Neuroscience Institute*

*John Kostuik, MD
Johns Hopkins University*

*Christopher I. Shaffrey, MD
University of Virginia*

*Jens Chapman, MD
Swedish Neuroscience Institute*

**Course Objectives Day 1
Friday, August 14, 2015
Instrumentation Basics & Trauma**

Upon completion of Day 1 of the course the residents & fellows should be able to do the following:

- Understand the pathophysiology of subaxial cervical spine trauma
- Management of spinal cord injury
- Occipital cervical spine anatomy, pathophysiology, and stabilization
- Lateral mass anatomy techniques in the cervical spine
- Cervicothoracic stabilization techniques
- Spinal cord monitoring advances
- Understand the basics of spinal deformity
- Sacral and pelvic fixation

7:15am

Transportation from the W Hotel to Seattle Science Foundation

7:30am

Breakfast & Exhibits

7:45am – 8:00am

Welcome & Overview

Rod Oskouian, Jr., MD & Jens Chapman, MD

8:00am – 8:50am

Motion Preserving Surgery in the Cervical & Lumbar Spine

Praveen Mummaneni, MD

9:00am – 9:50am

C1, C2 Anatomy and Subaxial Cervical Spine Reconstruction

Nicholas Theodore, MD

10:00am – 10:50am

Management of Cervical Stenosis: Anterior Versus Posterior Approaches

Charles Sansur, MD

11:00am – 11:50am

Cervical Spine Trauma: Surgical and Non-Operative Management

David Okonkwo, MD

11:50am – 12:00pm

Group Photo in SSF Lobby

Then Groups 1 – 4 Change into Scrubs

Pick-up Lunch

12:00pm – 12:50pm (**working lunch**)

History of Spinal Deformity

John Kostuik, MD

1:00pm – 1:50pm

Sacral and Pelvic Fixation

Tyler Koski, MD

1:50pm – 2:00pm

Groups 5 – 8 Change into Scrubs

2:00pm – 5:30pm

Hands-on Cadaver Lab & Exhibits

8 anatomical stations (rotate every forty minutes)
1-2 faculty with each group of 5-6 residents/fellows per station

Station 1

Tumor/Trauma with Navigation

David Okonkwo, MD & Tyler Koski, MD

Station 2

Occipital Cervical

Charles Sansur, MD & Nicholas Theodore, MD

Station 3

Minimally Invasive

Hyun Bae, MD & Praveen Mummaneni, MD

Station 4

Cervical & MIS Thoracic

Christopher Shaffrey, MD & D. Kojo Hamilton, MD

Station 5

Posterior Fixation Techniques in the Thoracic Spine

Ehud Mendel, MD, Paul Anderson, MD

Station 6

Lateral Approaches

Juan Uribe, MD & Adam Kanter, MD

Station 7

Posterior Osteotomy Techniques

John Kostuik, MD & Paul Santiago, MD

Station 8

Thoracolumbar/Corpectomy with Navigation

Jens Chapman, MD

5:30pm

Happy Hour Reception & Exhibits

6:00pm & 6:30pm
Transportation to W Hotel

Course Objectives Day 2
Saturday, August 15, 2015
Complex Spine

Upon completion of Day 2 of the course the residents & fellows should be able to do the following:

- Thoracic stabilization techniques and anatomy
- Management of thoracolumbar spine trauma
- Lateral approaches and lumbar stabilization techniques
- Posterior deformity correction
- Management of spinal tumors
- Understanding neuromonitoring changes

6:20am & 6:35am
Transportation from W Hotel to Seattle Science Foundation

6:30am
Breakfast & Exhibits

7:00am – 7:50am
Spinal Instrumentation: Basic Concepts and Biomechanics
Paul Anderson, MD

7:50am – 8:40am
Principles of Spinal Balance
Jens Chapman, MD

8:40am – 9:30am
Spinal Tumors: Surgical Management and Complication Avoidance
Ehud Mendel, MD

9:30am – 10:20am
Lateral Approach to the Thoracic Spine
Adam Kanter, MD

10:20am – 11:00am
Management of Thoracolumbar Spine Trauma & Stabilization Techniques
D. Kojo Hamilton, MD

11:00am – 11:50am
Anatomy of the Lumbar and Brachial Plexus
Shane R. Tubbs, PhD, PA-C

11:50am – 12:00pm
Break & Pick-up Lunch
Groups 1 – 4 Change into Scrubs

12:00pm – 12:50pm (working lunch)
Posterior Deformity Correction: Techniques, Pearls and Mistakes
Christopher Shaffrey, MD

1:00pm – 1:50pm
Minimizing Complications of Lateral Surgery
Juan Uribe, MD

1:50pm – 2:00pm

Break & Exhibits

Groups 5 – 8 Change into Scrubs

2:00pm – 4:30pm

Hands-on Cadaver Lab & Exhibits

**8 anatomical stations (rotate every forty minutes)
1-2 faculty with each group of 5-6 residents/fellows per station**

Station 1

Tumor/Trauma with Navigation

David Okonkwo, MD & Tyler Koski, MD

Station 2

Occipital Cervical

Charles Sansur, MD & Nicholas Theodore, MD

Station 3

Minimally Invasive

Hyun Bae, MD & Praveen Mummaneni, MD

Station 4

Cervical & MIS Thoracic

Christopher Shaffrey, MD & D. Kojo Hamilton, MD

Station 5

Posterior Fixation Techniques in the Thoracic Spine

Ehud Mendel, MD, Paul Anderson, MD

Station 6

Lateral Approaches

Juan Uribe, MD & Adam Kanter, MD

Station 7

Posterior Osteotomy Techniques

John Kostuik, MD & Paul Santiago, MD

Station 8

Thoracolumbar/Corpectomy with Navigation

Jens Chapman, MD & Shay Bess, MD

4:45pm & 5:15pm

Transportation to W Hotel

6:15pm

Transportation to Course Dinner

7:00pm

Course Dinner at home of course Co-Chair Rod Oskouian Jr., MD

10:00pm & 10:30pm

Transportation to W Hotel

Course Objectives Day 3
Sunday, August 16, 2015
Complication Avoidance & Operative Techniques

Upon completion of Day 3 of the course the residents & fellows should be able to do/understand the following:

- Utilization of minimally invasive surgery
- Identifying spinal vascular malformations
- Minimizing complications in spine surgery
- Enhancing operating room performance

8:00am

Transportation from W Hotel to Seattle Science Foundation

8:30am – 9:20am (**working breakfast**)

Minimally Invasive Surgery: Options and Opportunities

Hyun Bae, MD

9:20am – 10:10am

Spinal Vascular Malformations

Stephen Monteith, MD

10:10am – 10:50am

Minimally Invasive Surgery for Spine Fractures

Neel Anand, MD

10:50am – 11:20am

The Big Picture: From Patient Selection to Surgery

David Hanscom, MD

11:30am

Boxed Lunches

Transportation to W Hotel & SeaTac Airport

Course Faculty

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