Eighth Annual ONE Spine Residents & Fellows Course

August 11 – 13, 2017
at the Seattle Science Foundation

AGENDA

Friday, August 11, 2017
Spine Basics, Tumor, Lateral Approach

7 a.m.
Transportation from the Hotel Monaco to Seattle Science Foundation

7:30 a.m.
Breakfast & Exhibits

7:45 a.m. – 8:00 a.m.
Welcome & Overview of Course and Seattle Science Foundation
Rod J. Oskouian, Jr., M.D.
R. Shane Tubbs Ph.D., PA-C

8 a.m. – 8:40 a.m.
Current Concepts of Spinal Balance
Christopher I. Shaffrey, M.D.

8:40 a.m. – 9:20 a.m.
C1, C2 Anatomy
R. Shane Tubbs, Ph.D., PA-C

9:20 a.m. – 10 a.m.
Management of Cervical Stenosis: ADR vs ACDF
Charles A. Sansur, M.D., FACS

10 a.m. – 10:15 a.m.
Break & Group Photo (wear your ONE Spine shirts)

10:15 a.m. – 10:30 a.m.
Lab Demonstration No. 1: Occipital Bone, C1, C2 Anatomy
R. Shane Tubbs, Ph.D., PA-C

10:30 a.m. – 11:10 a.m.
Intradural Spinal Tumors
David Newell, M.D.
11:10 a.m. – 11:50 p.m.
Management of Spinal Metastasis
Dan Sciubba, M.D.

11:50 am – 12:30 p.m.
Avoiding Complications with Spinal Tumors
Ehud Mendel, M.D.

12:30 p.m. – 12:40 p.m.
Break, Exhibits and Pick-up Lunch

12:40 p.m. – 1:20 p.m. (working lunch)
Anatomy of the Lumbar Plexus
R. Shane Tubbs, Ph.D., PA-C

1:20 p.m. – 1:35 p.m.
Lab Demonstration No. 2: Lateral Interbody Fusion
Rod Oskouian, M.D.

1:35 p.m. – 2:15 p.m.
Lateral Approach to the Thoracic Spine
Rod Oskouian, Jr., M.D.

2:15 p.m. – 2:55 p.m.
Complication Avoidance of Lateral Surgery
Juan Uribe, M.D.

2:55 p.m. – 3:10 p.m.
Lab Demonstration No. 3: Thoracic Vertebral Column Resection
Christopher I. Shaffrey, M.D.

3:10 p.m. – 6 p.m.
Hands-on Cadaver Lab & Exhibits

8 Anatomical Stations (4 stations: rotate every 35 minutes)
6 – 7 residents/fellows per station

Station 1
Tumor/Trauma with Navigation
David Okonkwo, M.D. & Dan Sciubba, M.D.

Station 2
Occipital Cervical
Noojan Kazemi, M.D. & R. Shane Tubbs, Ph.D., PA-C

Station 3
Minimally Invasive
Hank Vejvoda, M.D.

Station 4
Cervical & MIS Thoracic
D. Kojo Hamilton, M.D. & Charles A. Sansur, M.D.

Station 5
Lateral Approaches
Juan Uribe, M.D. & Mark Freeborn, M.D.

Station 6
Posterior Osteotomy Techniques
Christopher I. Shaffrey, M.D.

Station 7
Posterior Fixation Techniques in the Thoracic Spine
Ehud Mendel, M.D

Station 8
Thoracolumbar/Corpectomy with Navigation
David Hanscom, M.D.

6 p.m. & 6:30 p.m.
Transportation to Hotel Monaco

Saturday, August 12, 2017
Deformity & Trauma

7 a.m.
Transportation from Hotel Monaco to Seattle Science Foundation

7:30 a.m.
Breakfast & Exhibits

8 a.m. – 8:40 a.m.
The Essentials of Deformity Correction: Techniques and Pearls
Christopher I. Shaffrey, M.D.

8:40 a.m. – 9:20 a.m.
Spinal Instrumentation
Noojan Kazemi, M.D.

9:20 a.m. – 10 a.m.
Acute Management of Spinal Cord Injury
Justin Brown, M.D.

10 a.m. – 10:15 a.m.
Break & Exhibits

10:15 a.m. – 10:30 a.m.
Live Demonstration No. 4: C7, T1, T2 Pedicle Screws
Charles Sansur, M.D.

10:30 a.m. – 11:10 a.m.
Cervical Spine Trauma: Surgical and Non-Operative Management
David Okonkwo, M.D.

11:10 a.m. – 11:50 a.m.
Management of Thoracolumbar Spine Trauma: Pearls and Pitfalls
D. Kojo Hamilton, M.D.

11:50 a.m. – 12:30 p.m.
Identifying Vascular Anomalies of the Spine: Vascular Malformations
Stephen Monteith, M.D.

12:30 p.m. – 12:45 p.m.
Break, Exhibits, Pick-up Lunch

12:45 p.m. – 1:25 p.m. (working lunch)
Complications in Deformity Correction: Case Reviews
Jens Chapman, M.D.

1:25 p.m. – 1:55 p.m.
Sacral and Pelvic Fixation
Tyler Koski, M.D.

1:55 p.m. – 2:10 p.m.
Lab Demonstration No. 5: Alar Screw Placement
Jens Chapman, M.D.

2:10 p.m. – 2:25 p.m.
Lab Demonstration No. 6: Pelvic Screw Placement
Tyler Koski, M.D.

2:25 p.m. – 5 p.m.
Hands-on Cadaver Lab & Exhibits

8 Anatomical Stations (4 stations: rotate every 35 minutes)
6 – 7 residents/fellows per station

Station 1
Tumor/Trauma with Navigation
David Okonkwo, M.D. & Dan Sciubba, M.D.

Station 2
Occipital Cervical
Noojan Kazemi, M.D. & R. Shane Tubbs, Ph.D., PA-C

Station 3
Minimally Invasive
Hank Vejvoda, M.D.

Station 4
Cervical & MIS Thoracic
Charles A. Sansur, M.D.

Station 5
Lateral Approaches
Juan Uribe, M.D., & Mark Freeborn, M.D.

Station 6
Posterior Osteotomy Techniques
Robert Hart, M.D.

Station 7
Posterior Fixation Techniques in the Thoracic Spine
D. Kojo Hamilton, M.D.

Station 8
Thoracolumbar/Corpectomy with Navigation
David Hanscom, M.D.

4:45 p.m. and 5:15 p.m.
Transportation to Hotel Monaco

6:30 p.m.
Transportation to Course Dinner

7 p.m.
Course Dinner at home of Course Chair Rod Oskouian Jr., M.D.
19303 SE 24th Way, Sammamish, Washington 98075

10 p.m. and 10:30 p.m.
Transportation to Hotel Monaco

Sunday, August 13, 2017
Techniques and Updates

8 a.m.
Transportation from Hotel Monaco to Seattle Science Foundation

8:30 a.m. – 9 a.m. **(working breakfast)**
Minimally Invasive Surgery: When and Why to Use It
Robert Hart, M.D.

9 a.m. – 9:30 a.m.
Post-Operative Image Review
Marc Moisi, M.D.

9:30 a.m. – 10 a.m.
What Bone Graft Do I Use? BMP, Allograft, Autograft or Stem Cells
Wellington Hsu, M.D.

10 a.m. – 10:45 a.m.
Peripheral Nerve Syndromes
Justin Brown, M.D.

10:45 a.m. – 11:30 a.m.
Optimizing Spine Patients for Complex Deformity Corrections
David Hanscom, M.D.

11:30 a.m.
Adjourn
Transportation to Hotel Monaco & SeaTac Airport

Esteemed Faculty

Course Chairmen

Rod J. Oskouian Jr., M.D.
Chief of Spine
Swedish Neuroscience Institute
Seattle, Washington

D. Kojo Hamilton, M.D.
Associate Professor, Neurosurgery
Fellowship Program Director
University of Pittsburgh
Pittsburgh, Pennsylvania

Christopher I. Shaffrey, M.D.
Professor, Neurological Surgery
University of Virginia
Charlottesville, Virginia

Charles A. Sansur, M.D., MHSc
Associate Professor of Neurosurgery
Director of Spine Surgery
University of Maryland
Baltimore, Maryland

Justin Brown, M.D.
Director, Neurosurgery
Peripheral Nerve Program &
Center for Neurophysiology &
Restorative Neurology
University of California San
Diego
San Diego, California

Tyler Koski, M.D.
Neurological Surgery
Northwestern Medical Group
Chicago, Illinois

Jens Chapman, M.D.
Complex Spine Surgeon
Swedish Neuroscience Institute
Seattle, Washington

Ehud Mendel, M.D.
Professor, Neurological Surgery
Ohio State University
Columbus, Ohio

Mark Freeborn, M.D.
Orthopedic Spine Surgeon
Evergreen Health
Kirkland, Washington

Stephen Monteith, M.D.
Cerebrovascular Surgeon
Swedish Neuroscience Institute
Seattle, Washington

David Hanscom, M.D.
Orthopaedic Surgeon
Swedish Neuroscience Institute
Seattle, Washington

Marc Moisi, M.D.
Neurosurgical Resident
Wayne State University School
of Medicine
Detroit, Michigan

Robert Hart, M.D.
Orthopaedic Surgeon
Swedish Neuroscience Institute
Seattle, Washington

David Newell, M.D.
Chief of Cerebrovascular
Surgery,
Director, Cerebrovascular
Training Fellowship
Swedish Neuroscience Institute
Seattle, Washington

Wellington Hsu, M.D.
Clifford C. Raisbeck
Distinguished Professor of
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Northwestern University
Chicago, Illinois

David O. Okonkwo, M.D.
Assistant Professor,
Neurological Surgery
University of Pittsburgh
Pittsburgh, Pennsylvania

Noojan Kazemi, M.D.
Assistant Professor
University of Arkansas for
Medical Sciences
Little Rock, Arkansas

Daniel Sciubba, M.D.
Director, Spine Tumor &
Spine Deformity Research
Johns Hopkins
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R. Shane Tubbs, Ph.D., PA-C
Chief Scientific Officer
Seattle Science Foundation
Seattle, Washington

Stephen Monteith, M.D.
Cerebrovascular Surgeon
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Juan S. Uribe, M.D.
Director, Complex & Minimally
Invasive Spine Surgery
University of South Florida
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Hank Vejvoda, M.D.
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