Jointly Provided By

4th Annual Seattle Spine Trauma Summit
May 18 - 19, 2018
at the Seattle Science Foundation

AGENDA
FRIDAY, MAY 18, 2018

6 p.m. Buffet Dinner Served (not accredited)

6:30 p.m. Case Reviews and Discussions
All Faculty
• Illustrate the physiologic effects of trauma on the spine
• Identify surgical considerations in a trauma situations

9:00 p.m. Adjourn

SATURDAY, MAY 19, 2018

7 a.m. Breakfast & Registration

7:25 a.m. Welcome & Introductions
Jens R. Chapman, M.D.

SESSION 1: Big Picture Changes in Spine Trauma

7:30 a.m. Steroids in Spinal Cord Injury
John Hurlbert, M.D., Ph.D.
Objectives:
• Evaluate scientific evidence of steroids to modulate spinal cord injury
• Describe results of systematic reviews

7:45 a.m. Spine Injuries in Polytrauma: Insights into the Role of Surgery
Timothy McHenry, M.D.
Objectives:
• Describe the timing of intervention and whether it is safe
• Outline risk factors for adverse outcomes

8 a.m. When and How to Treat Geriatric Odontoid Fractures?
Andrew T. Dailey, M.D.
Objectives:
• Explain why geriatric odontoid fractures are a problem
• Evaluate results of non-operative vs. surgical treatment
• Identify a sensible treatment algorithm

8:15 a.m. New Approaches in Classification of TL Fractures
John France, M.D.
Objectives:
• Identify current classifications
• Describe the new AO classification assistance
8:30 a.m.  
**Broadcast from BioSkills Lab No. 1**  
Post Fixation and Decompression Subaxial C-spine  
*John Hurlbert, M.D., Ph.D.*  
**Objectives:**  
- Review anatomic considerations for lateral mass and pedicle screw fixations C3-C7  
- Identify how to avoid complications with the procedure  
- Practice safe instrumentation practices

8:55 a.m.  
**Panel Discussion: Timing of Surgery in Spine Injuries**  
*All Faculty*  
**Objectives:**  
- Assess the outcomes and complications of emergent vs. delayed spine trauma care  
- Evaluate the role of urgent, emergent, semi-elective surgery in spine trauma

9:30 a.m.  
**Break & Exhibits**

SESSION 2: Geriatric Fracture Crisis

9:45 a.m.  
**Spine Trauma in the Aging**  
*Timothy McHenry, M.D.*  
**Objectives:**  
- Identify why this is a problem  
- Evaluate the most meaningful parameter to identify aging patients: chronologic age or biologic age

10:00 a.m.  
**TL Burst Fractures: What Matters?**  
*John France, M.D.*  
**Objectives:**  
- Outline the anatomy of the cranio-cervical region patterns of burst fractures  
- Summarize the role of anterior versus posterior surgery and outcomes

10:15 a.m.  
**Technical Tips for Far Lateral Minimally Invasive TL Corpectomy**  
*Rod J. Oskouian, Jr., M.D.*  
**Objectives:**  
- Name the pertinent anatomy  
- Identify tips and tricks for a safe procedure

10:30 a.m.  
**Sacral Fracture Management 101**  
*Richard Bransford, M.D.*  
**Objectives:**  
- Describe pertinent anatomy and classifications  
- Identify non-operative strategies and treatments

10:45 a.m.  
**Broadcast from BioSkills Lab No. 2**  
Iliac Screw Fixation and Sacral Decompression  
*Richard Bransford, M.D.*  
**Objectives:**  
- Outline the lumbo posterior anatomy  
- Identify how to avoid complications with the technique

11:10 a.m.  
**Panel Discussion: Surgical or Nonsurgical Treatment?**  
*All Faculty*  
**Objectives:**  
- Debate whether the non-surgical treatment is safer and leads to better outcomes?  
- Analyze why there are significant geographical variations in surgical utilizations
11:30 a.m. Break, Change into Scrubs & Pick Up Lunch

11:45 a.m. Case Presentations *(working lunch)*
All Faculty
*Objectives:*
- Study the effects of spine trauma on the patient, both physical and mental
- Describe resources for and expectations of patients

**SESSION 3: What Can We Do About Spinal Cord Injury?**

12:15 p.m. Closed Reduction Prior to MRI: The Ongoing Debate
*Andrew T. Dailey, M.D.*
*Objectives:*
- Describe issues regarding timing of spinal cord decompression
- Evaluate advantages an MRI pre-reduction provide
- Rank results of delayed vs. early reduction and the safety of closed reduction without MRI

12:30 p.m. Meaningful Interventions for Central Cord Injuries
*John Hurlbert, M.D., Ph.D.*
*Objectives:*
- Evaluate indications for early vs. late surgery
- Debate whether more extensive surgery is more effective
-Provide treatment algorithm for effective management for central cord injuries

12:45 p.m. North American Experience with HAL
*Jens R. Chapman, M.D. & Emre Yilmaz, M.D.*
*Objectives:*
- Summarize advanced neurorehabilitation concepts
- Evaluate implications on possible future neurorehabilitation

1:00 p.m. Life with Spinal Cord Injury
*Edward L. Farrar, M.D.*
*Objectives:*
- Recognize the impact of high level SCI on everyday life for a patient
- Outline emerging therapies

1:30 p.m. Panel Discussion: What Progress is Being Made in Spinal Cord Injuries
All Faculty
*Moderator: Jens R. Chapman, M.D.*
*Objectives:*
- Outline barriers to breakthrough therapies
- Evaluate how to shorten the gap between translational research and daily practice

2 p.m. *BioSkills Hands-on Lab Rotations*
All Faculty
Practice the following procedures:
- Lateral Fusion Techniques
- Thoracolumbar Junction
- Lateral Instrumentation
- Lateral Deformity Correction
- Percutaneous Fixation Techniques
- Corpectomy Anatomy
- Oblique L5-S1
- Oblique L4-5
- Stand Alone
STATION 1
John France, M.D.
Kyphoplasty/Vertebral Augmentation

STATION 2
Jens R. Chapman, M.D.
PSO with Corpectomy Cage

STATION 3
Jeffrey Roh, M.D., M.B.A.
Posterior MIS TL Decompression

STATION 4
John Hurlbert, M.D.
C-Spine Anterior/Posterior, Odontoid & Anterior Neck Reconstruction

STATION 5
Rod J. Oskouian, Jr., M.D.
Posterior Cervical

STATION 6
Andrew T. Dailey, M.D.
Posterior Neck: From Occiput to Thoracic Spine

STATION 7
Timothy McHenry, M.D.
Thoracolumbar Junction

Objectives:
- Identify how to avoid complications with each technique
- Demonstrate surgical procedures in the setting of spine trauma

4:30 p.m. Adjourn
| FACULTY |
|------------------|------------------|
| Richard Bransford, M.D. |
| Orthopaedic Surgeon |
| University of Washington |
| Seattle, Washington |
| Jens R. Chapman, M.D. |
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| Complex Spine Surgeon |
| Swedish Neuroscience Institute |
| Seattle, Washington |
| Andrew T. Dailey, M.D. |
| Course Co-Chair |
| Professor, Department of Neurological Surgery |
| University of Utah |
| Salt Lake City, Utah |
| John France, M.D. |
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| Professor & Vice Chairman, Orthopaedics |
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| Morgantown, West Virginia |
| Edward L. Farrar, M.D. |
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| Wenatchee, Washington |
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