8:00 am – 8:05 am
Welcome and Report of the President
Michael D. Daubs, MD, President

8:05 am – 9:56 am
Section I: Cervical Spine Research Society

Moderator: Michael C. Gerling, MD

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tr>
<td>8:05 am – 8:08 am</td>
<td>Introduction</td>
<td>Michael C. Gerling, MD</td>
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<tr>
<td>8:08 am – 8:18 am</td>
<td>Basic Science of Myelopathy</td>
<td>Wellington K. Hsu, MD</td>
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<td>8:18 am – 8:28 am</td>
<td>EBM for Non-operative Modalities of Care</td>
<td>Peter G. Passias, MD</td>
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<tr>
<td>8:28 am – 8:38 am</td>
<td>The Medical Treatment of Myelopathy- (Non-Steroidal, Neuroleptic Agents)</td>
<td>Michael C. Gerling, MD</td>
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<td>8:38 am – 8:43 am</td>
<td>Discussion</td>
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<td>8:43 am – 8:46 am</td>
<td>Case Presentation: Myeloradiculopathy</td>
<td>Michael C. Gerling, MD</td>
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Point/CounterPoint #1: Steroid Injections for Cervical Stenosis
8:46 am – 9:01 am
Steroid Injections are Useful Prior to Surgery
Sheeraz A. Qureshi, MD

9:01 am – 9:16 am
Steroid Injections Don’t Change a Thing and Only Place My Patients at Risk
Kristen E. Radcliff, MD

9:16 am – 9:21 am
Discussion

Point/CounterPoint #2: Retropharyngeal Steroids
9:21 am – 9:36 am
Retropharyngeal Steroids are Beneficial after ACDF
Alpesh A. Patel, MD

9:36 am – 9:51 am
Retropharyngeal Steroids are Dangerous after ACDF
K. Daniel Riew, MD

9:51 am – 9:56 am
Discussion

9:56 am – 10:15 am
Break

10:15 am – 11:40 am
Section II: North American Spine Society

Moderator: Peter G. Whang, MD

Surgical Complications: Avoidance and Management
10:15 am – 10:20 am
Introduction

10:20 am – 10:35 am
Instrumentation Issues, Inoperative Imaging, Navigation, Robotics
TBD

10:35 am – 10:40 am
Discussion

10:40 am – 10:55 am
Neuromonitoring Signal Changes: Evidence for Monitoring, Algorithm or Dealing with Signal Changes, Postop Protocols
TBD

10:55 am – 11:00 am
Discussion

11:00 am – 11:15 am
Intraoperative Blood Loss: Current Evidence and Usage for Antifibrinolytics, Current Evidence and Usage for Cell Savers, Other Strategies to Manage
TBD

11:15 am – 11:20 am
Discussion

11:20 am – 11:35 am
Surgical Site Infections: Preoperative Protocols-Current Evidence, Intraoperative Protocols-Include Question of Antibiotics in the Wound Role for Postoperative Antibiotics
TBD

11:35 am – 11:40 am
Discussion

11:40 am – 1:00 pm
Lunch

1:00 pm – 2:45 pm
Section III: American Spinal Injury Association

Moderators: Jacob M. Buchowski, MD and Lukas Zebala, MD

Update on the Appropriate Treatment of Acute Spinal Cord Injury
Michael G. Fehlings, MD
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<tr>
<th>Time</th>
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| 1:30 pm – 1:35 pm | Discussion                                                           | 3:21 pm – 3:29 pm | Preoperative Optimization -What Factors are Modifiable and Matter in Adult Deformity Surgery?  
John R. Dimar, II, MD |
| 1:35 pm – 1:50 pm | **Debate #1 When Should a Patient with Central Cord Syndrome be Treated?** | 3:29 pm – 3:37 pm | Perioperative Optimization in the Care of Children and Adolescents With Spinal Deformity  
Suken A. Shah, MD |
| 1:50 pm – 2:05 pm | Patients with Central Cord Syndrome Should be Treated Acutely  
Brian K. Kwon, MD | 3:37 pm – 3:49 pm |                                                        |
| 2:05 pm – 2:10 pm | Discussion                                                           | 3:49 pm – 3:57 pm |                                                        |
| 2:10 pm – 2:25 pm | Patients with Central Cord Syndrome Should be Treated Electively  
James S. Harrop, MD | 3:57 pm – 4:05 pm |                                                        |
| 2:25 pm – 2:40 pm | **Debate #2 How Should a Patient with an L1 Burst Fracture with Neurologic Deficit be Treated?** | 4:05 pm – 4:13 pm | Surgical Strategies to Optimize Efficiency and Outcomes  
Ronald A. Lehman, MD |
| 2:40 pm – 2:45 pm | Patients with an L1 Burst Fracture with a Neurologic Deficit Should be Treated Through an Anterior Approach  
Dirk H. Alander, MD | 4:13 pm – 4:21 pm | Posts-operative Care-Mobilization, Bracing and Prophylaxis, Making the Best Use of Inpatient Management Trends: Safely Minimizing Hospital Stay Following Surgery  
Michael D. Daubs, MD |
| 2:45 pm – 3:05 pm | Discussion                                                           | 4:21 pm – 4:31 pm | Assembling Superior Team to Minimize Complications and Maximize Surgical Outcomes  
Todd Albert, MD |
| 3:05 pm – 3:13 pm | **Section IV: Scoliosis Research Society**                           | 4:31 pm – 4:36 pm | Case Presentation: Pediatric Deformity  
Michael G. Vitale, MD |
| 3:05 pm – 3:13 pm | Moderators: Praveen Mummaneni, MD and Sigurd H. Berven, MD          | 4:36 pm – 4:46 pm | Case Presentation: Adult Deformity  
David W. Polly, Jr., MD |
| 3:13 pm – 3:21 pm | Systems Reform to Enhance Safety and Optimize Outcomes in Complex Deformity Surgery  
Rajiv K. Sethi, MD | 4:46 pm – 4:51 pm | Discussion |
| 3:13 pm – 3:21 pm | Risk Stratification-Expected and Observed Complications and Predictive Modeling  
Sigurd H. Berven, MD | 4:52 pm | Adjourn |