SCOLIOSIS RESEARCH SOCIETY
Spine Deformity Solutions: A Hands-On Course
June 16-18, 2021 | Nijmegen, the Netherlands
Radboud University Medical Center (RUMC)

PROGRAM AGENDA

WEDNESDAY JUNE 16, 2021
Huize Heyendaal (Faculty Club), Radboud University Medical Center

17:00-18:00
Faculty Pre-Course Meeting*
Marijnenkamer

18:00-19:00
Participant Registration & Welcome Reception*
Hall

19:00-21:00
Fireside Chat Case Discussions: Pediatric & Adult Spine Deformity (2 Concurrent Sessions)
Theme: Radiographic Evaluation and Planning for Correction of Spinal Deformity

19:00-21:00
**Pediatric & Adult Spine Deformity - Marijnenkamer**
Moderators: Marinus de Kleuver, MD, PhD & Heiko Koller, MD
Pediatric Case Presenters: Oheneba Boachie-Adjei, MD, DSc; René Castelaine, MD, PhD;
Sergey Kolesov, MD, PhD
Adult Case Presenters: Ronald Bartels, MD, PhD; Sébastien Charosky, MD; Javier Pizones MD, PhD

19:00-21:00
**Pediatric & Adult Spine Deformity - Beelkamer**
Moderators: Ahmet Alanay, MD & Munish Gupta, MD
Pediatric Case Presenters: Teresa Bas, MD, PhD; Dominque Rothenfluh, MD, PhD; Kota Watanabe, MD, PhD
Adult Case Presenters: Frank Kleinstück, MD; Ferran Pellise, MD, PhD; Christopher Shaffrey, MD

THURSDAY, JUNE 17, 2021
Museum of Anatomy and Pathology & Hippocrates-zaal, Radboud University Medical Center (RUMC)

8:00-8:50
Session 1: Thoracolumbar Open and Minimally Invasive Posterior Techniques
Museum of Anatomy and Pathology
Moderator: Ahmet Alanay, MD

8:00-8:05
**Course Welcome**
Marinus de Kleuver, MD, PhD

8:05-8:15
**Fixation of Thoracic, Lumbar, Sacrum and Pelvis (Hooks, Pedicle Screws, Iliac Screws and S2Ala-Ilium Screws Fixation)**
Sébastien Charosky, MD

8:15-8:25
**Minimally Invasive Stabilization of the Thoracolumbar Spine with Percutaneous Screws and Navigation**
Ahmet Alanay, MD

8:25-8:35
**Direct Lateral (Trans Psoas) and Oblique Lateral Approach to the Lumbar Spine- Degenerative Condition**
Heiko Koller, MD

*Denotes Non-CME Session
8:35-8:45  Discussion

8:45-8:50  Moment of Remembrance  
*Denotes Non-CME Session
Marinus de Kleuver, MD, PhD & Albert van Linge

8:50-9:05  Proceed to Lab and Change Clothes

9:05-10:35  
Lab 1, Rotation 1 – 12 Stations (6 Cadavers Prone, 6 Cadavers Lateral)

**Group 1**  
Lab 1A: Posterior Instrumentation (6 Stations, Cadavers Prone) - Room A  
Thoracic-Lumbar-Ilium; Insertion of Hooks and Pedicle Screws; Sacro-Pelvic Fixation; S2Ala-Ilium Screws. Open, anatomy based. *(Left side only)*

**Group 2**  
Lab 1B: Anterior Interbody Fusion (6 Stations, Cadavers Lateral) - Room B  
Lateral Lumbar Approach (from left side), Interbody Fusion *(L1-L2-L3)*  
(Each group does two discs in the upper lumbar spine) *(With C-arm)*

10:35-11:05  Refreshment Break *(Lab staff to rotate cadavers to right side)*

11:05-12:35  
Lab 1, Rotation 2 – 12 Stations (6 Cadavers Prone, 6 Cadavers Lateral)

**Group 2**  
Lab 1A: Posterior Instrumentation (6 Stations, Cadavers Prone) - Room A  
Thoracic-Lumbar-Ilium; Insertion of Hooks and Pedicle Screws; Sacro-Pelvic Fixation; S2Ala-Ilium Screws. Open, anatomy based. *(Right side only)*

**Group 1**  
Lab 1B: Anterior Interbody Fusion (6 Stations, Cadavers Lateral) - Room B  
Lateral Lumbar Approach (from right side), Interbody Fusion *(L3-L4-L5)*  
(Each group does two discs in the lower lumbar spine) *(With C-arm)*

12:35-13:15  Lunch & Group Photo* *(Lab staff to turn cadavers to prone position)*

13:15-14:05  
Session 2: Osteotomies and Pelvic Fixation  
Hippocrates-zaal  
Moderator: Munish Gupta, MD

Javier Pizones MD, PhD

13:25-13:35  Pedicle Subtraction Osteotomy (PSO)  
Ferran Pellise, MD, PhD

13:35-13:45  Vertebral Column Resection (VCR)  
Oheneba Boachie-Adjei, MD, DSc

13:45-13:55  Complications of Osteotomies  
Munish Gupta, MD

13:55-14:05  Discussion
<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
<th>Details</th>
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<tbody>
<tr>
<td>14:05-14:15</td>
<td>Proceed to lab</td>
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<tr>
<td>14:15-16:45</td>
<td>Lab 2: Posterior Spinal Osteotomies (Cadavers Prone)</td>
<td>Posterior Column Osteotomies, Ponte multiple levels between L1-L5, Smith-Peterson Osteotomy (SPO), Pedicle Subtraction Osteotomy (PSO) in the Lumbar Spine (Osteotomy at L3) and Vertebral Column Resection (VCR) of the Thoracic Spine (at T9). Participants share left/right side.</td>
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<td>16:45-17:00</td>
<td>Change Clothes (Lab staff to turn cadavers to supine position)</td>
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**FRIDAY, JUNE 18, 2021**

*Museum of Anatomy and Pathology, Radboud University Medical Center (RUMC)*

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>8:00-9:00</td>
<td>Session 3: Cervical Deformity - Indications, Approach and Execution</td>
<td>Moderator: Christopher Shaffrey, MD</td>
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<tr>
<td>8:00-8:10</td>
<td>Anterior Cervical Disectomies and Corpectomies</td>
<td>Ronald Bartels, MD, PhD</td>
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<td>8:10-8:20</td>
<td>Occipital and Cervical Fixation with Cervical Pedicle Screws and Lateral Mass Screws</td>
<td>Sergey Kolesov, MD, PhD</td>
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<td>8:20-8:30</td>
<td>Planning and Execution for Cervical Osteotomies</td>
<td>Christopher Shaffrey, MD</td>
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<td>8:30-8:40</td>
<td>Complications of the Cervical Spine</td>
<td>Christopher Shaffrey, MD</td>
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<td>8:40-9:00</td>
<td>Discussion</td>
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<td>9:00-9:15</td>
<td>Proceed to Lab and Change Clothes</td>
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<td>9:15-10:45</td>
<td>Lab 3A: Anterior Approaches to the Cervical Spine and Cervicothoracic Junction (Cadavers Supine)</td>
<td>Interbody Fusion and Corpectomy, Sternotomy, and Approach to Upper Thoracic Spine</td>
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<td>10:45-11:15</td>
<td>Refreshment Break* (Lab staff to turn cadavers to prone position)</td>
<td>Lounge</td>
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<tr>
<td>11:15-12:45</td>
<td>Lab 3B: Posterior Cervical Reconstruction from Occipital to T2 (Cadavers Prone)</td>
<td>Posterior Instrumentation: Occipital Plate, C2 Pedicle Screws, C3-C7 Pedicle Screws, C7 Osteotomy. Open Anatomy Based.</td>
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<td>12:45-13:25</td>
<td>Lunch* (Lab staff to turn cadavers to lateral position)</td>
<td>The Haardt</td>
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<tr>
<td>13:35-13:45</td>
<td>Anterior Transpleural Thoracic Approaches- Deformity, Tumor, Trauma: Lateral (Flank) Thoracolumbar-Lumbar Retroperitoneal Approach for Anterior Column Reconstruction and Release</td>
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<td>13:45-13:55</td>
<td>Anterior Techniques with Anterior Lumbar Interbody Fusion, Retroperitoneal Anterior Approach to L5-S1, L4-L5 and L3-L4</td>
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<td>13:55-14:05</td>
<td>Complications of Anterior and Lateral Surgery: How to Deal with Them</td>
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<td>14:05-14:15</td>
<td>How to Maximize Efficiency/ Reduce Complication Rates</td>
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<td>14:15-14:25</td>
<td>Revision Surgery for ASD: Pre-Operative Planning and Surgical Techniques</td>
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<td>14:25-14:35</td>
<td>Discussion</td>
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<td>14:35-14:45</td>
<td>Proceed to lab</td>
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<td>14:45-16:15</td>
<td>Lab 4: Anterior Thoracolumbar Approaches (Cadavers Lateral Then Supine)</td>
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<td>16:15-16:30</td>
<td>Open Question &amp; Answer Wrap Up Session* - Anatomy Lab, Room B</td>
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<td>16:30-16:45</td>
<td>Change Clothes and Adjourn</td>
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<td>16:45</td>
<td>Faculty Shuttle Provided to Hotel Blue</td>
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