Monday 1/16
*Total Disk/ Motion Preservation*
Drs. Young, Vaccaro, Kwon, White, Sonntag

6:00  Registration & Breakfast
6:50  Opening Remarks MJY and BLC
7:00  Anatomy and Biomechanics of the Lumbar & Cervical Functional Spinal Units- Dr. White
7:30  Adjacent Segment Disease- Dr. Kwon
8:00  Rationale or Irrational for Disc Replacement- Dr. Sonntag
8:30  Refreshment Break
8:45  Indications and Results of Total Disc Replacement- Dr. Vaccaro
9:15  Complications and Revision Strategies in Lumbar Spine Arthroplasties- Dr. Scott-Young
9:45  Disc Degeneration and Regeneration- Dr. Vaccaro
10:15 Short and Long Term Results of Cervical Total Disc Replacement- Dr. Scott-Young
10:45 Refreshment Break
11:00 Multilevel Disc Replacement and Hybrid Technology- Dr. Scott-Young
11:30 Case Presentations with Panel Discussion: Drs. Scott-Young, Vaccaro, Kwon, White, Sonntag
12:30 Adjourn
Tuesday 1/17

Spine Trauma/ Deformity

Drs. Windebank, Kwon, Sonntag, Crawford, Transfeldt, Dekutoski, Huddleston, Yaszemski

6:00   Registration & Breakfast
7:00   Management of Craniocervical Instability- Dr. Sonntag
7:30   Advances in the Treatment of Spinal Cord Injury: the Interface of Biology and Engineering- Dr. Windebank
8:00   Spinal Cord Injury/Clinical Trials - Dr. Kwon
8:30   A Novel Classification of Thoracolumbar Trauma- Dr. Vaccaro
9:00   Refreshment Break
9:15   Treatment of Neurofibromatosis Scoliosis- Dr. Crawford
9:30   Idiopathic Adolescent Scoliosis Management- Dr. Transfeldt
10:15  Pediatric Deformity Case Presentations and Panel Discussion- Crawford, Transfeldt, Stans
11:15  Refreshment Break
11:30  Adult Spinal Deformity Treatment- Dr. Transfeldt
12:00  Adult Deformity Case Presentations and Panel Discussion- Betz, Crawford, Transfeldt, Dekutoski, Huddleston, Yaszemski, Vaccaro
12:30  Adjourn

Evening Session
5:30   Intraoperative Spinal Navigation- Mark Pichelmann
6:00   Hospitalist Medical Care for Spine Surgical Patients- Jeanne Huddleston
6:30   Culturally Competent Care- Our Humanitarian Responsibility- Dr. White


**Wednesday 1/18**

*C Spine*

Drs. Dickman, Krauss, Currier, Albert, Hanley, Yonenobu, Stans

6:00  Registration & Breakfast

7:00  Update on Cervical Trauma- Dr. Albert

7:30  Cervical Lesions in Rheumatoid Arthritis- Dr. Yonenobu

8:00  Transoral Odontoidectomy- Dr. Dickman,

8:30  Refreshment Break

8:45  Cervical Deformities- Dr. Albert

9:15  Pediatric and Adolescent Cervical Spine Disorders- Dr. Stans

9:45  Presentation, Evaluation and Surgical Indications for CSM- Dr. Hanley

10:15 JOA Guidelines for the Treatment of Cervical Myelopathy Secondary to CSM and OPLL- Dr. Yonenobu

11:15 Refreshment Break

11:30 Case Presentations and Panel Discussion: Dickman, Krauss, Albert, Hanley, Currier, Yonenobu

12:30 Adjourn
Thursday 1/19

Tumor
Sim, Unni, Inwards, Wenger

6:00  Registration & Breakfast
6:50  Opening Remarks
7:00  Introduction & Welcome – Drs. Yaszemski & Sim
7:15  Classification of Bone Tumors – Dr. Unni
7:30  Radiographic Evaluation of Bone Tumors (plain film, MRI, CT) – Dr. Wenger
8:00  Evaluation, Biopsy and Staging – Dr Sim

**Case Presentation – Drs. Unni, Inwards, Wenger, and Sim**

8:15  Giant Cell Tumor
8:45  Aneurysmal Bone Cyst
9:00  Benign Fibrous Lesions (Nonossifying Fibroma, Fibrous Cortical Defect, Avulsive Cortical Irregularity, Fibrous Dysplasia, Osteofibrous Dysplasia)
9:15  Benign Cartilage Lesions (Enchondroma, Periosteal Chondroma, Osteochondroma, Chondromyxoid Fibroma, Chondroblastoma)
9:45  Langerhan’s Cell Histiocytosis
10:00 Refreshment Break
10:15  Chondrosarcoma and Its Variants
10:45  Benign Bone Forming Tumors (Osteoid Osteoma, Osteoblastoma)
11:15  Osteosarcoma and Its Variants
12:00  Small Round Cell Tumors (Ewing’s, Myeloma, Lymphoma)
1:00  Case Presentations by Panel With Interactive Audience Session

**Evening Session**

5:30  Congenital, Juvenile, and Adolescent Spine Deformity Update- Dr. Betz
6:00  Rehabilitation Strategies and Outcomes for Spinal Cord Injury in 2006- Mary Jane Mulcahey
6:30  Pediatric Spinal Cord Injury and Treatment - Dr. Betz
Friday 1/20
Tumors/Infection
Drs. Maus, Unni, Levine, Sim, Yaszemski, Currier, Krauss,

6:00  Registration & Breakfast

7:00  Management of Metastatic Spine Disease- Dr. Currier

7:30  Management of Primary Tumors of the Spine- Dr. Dickman

8:00  Tumor Case Presentations and Audience Response System Participation- Panel (Drs. Sim, Levine, Unni, Wenger, and Yaszemski, Currier)

9:00  Refreshment Break

8:45  Management of Sacral-pelvic Tumors– Dr. Sim

9:15  Reconstruction Following Lumbopelvic Resections- Dr. Yaszemski

9:45  Cyberknife Treatment of Spinal Tumors- Dr. Levine

10:15 Spinal Tumors in Pediatric and Adolescent Patients- Dr. Crawford

10:45 Management of Intradural Tumors- Dr. Kraus

11:15 Refreshment Break

11:30 Imaging of Spinal Infections- Dr. Maus

12:00 Current Treatment Strategies for Implant Associated Spine Infections
      Dr. P. Huddleston & Dr. Osmon

12:30 Course Directors’ Closing Comments/ Participant Course Evaluation via Audience Response System/ Course Adjournment