Cervical Spine Surgery
Co-sponsored with Cervical Spine Research Society
Friday, April 22 – Saturday, April 23, 2016
Spine Education & Research Center (SERC)
Burr Ridge, IL

Chairs: Thomas E. Mroz, MD, NASS
        Wellington K. Hsu, MD, CSRS

CME Liaison: Carlo Bellabarba, MD

Course Description
This hands-on course emphasizes diagnosis and operative treatment of cervical spine disorders, including decompression and stabilization techniques for both anterior and posterior approaches. The course is a blend of didactic lectures, demonstrations, panel discussions and substantial dissection time. The faculty is made up of experienced academic spine surgeons from both orthopaedic and neurosurgical programs around the country, working with you in an interactive learning environment.

Course Objectives
Upon completion of this course, participants will gain strategies to:

- Recognize various forms of cervical degenerative disease
- Determine the issues concerning patient selection for different surgical procedures
- Develop skills in anterior and posterior operative techniques
- Recognize major complications in cervical spine surgery and determine preventive treatment measures

Audience
In accordance with guidelines recommended by the CME Committee and adopted by the Board of Directors, the following physician specialties only may enroll in this course: Orthopedic Surgery and Neurosurgery. This course is for physicians only.

Credits
The North American Spine Society designates this live activity for a maximum of 13.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Friday, April 22

7:00 a.m.  Registration  Main Foyer, 1st Level
Her Breakfast  Break Room, 1st Level

7:30-7:40  Welcome and Course Overview  Auditorium, 1st Level  
Thomas E. Mroz, MD; Wellington K. Hsu, MD

7:40-7:55  Anterior Decompression Techniques: Pearls and Pitfalls  
Thomas E. Mroz, MD
7:55-8:10  Updates on Anterior Grafting, Plating Techniques  
          *Warren Yu, MD*

8:10-8:25  Cervical Disc Replacement: Updates on Literature, Pearls and Pitfalls  
          *Wellington K. Hsu, MD*

8:25-8:40  Panel Discussion  
          *All Faculty*

8:40-8:55  C5 Palsy: Prediction, Prevention and Treatment  
          *Jason W. Savage, MD*

8:55-9:10  Anterior and Posterior Vertebral Artery Injury: Risk, Avoidance and Treatment  
          *Peter G. Whang, MD, FACS*

9:10-9:25  Pseudarthrosis: Incidence, Risk factors and Treatment  
          *Deb A. Bhowmick, MD*

9:25-9:40  Panel Discussion  
          *All Faculty*

9:40-9:55  Break

9:55-10:40  LIVE DEMO: Anterior Approach and Vertebral Artery Dissection  
            (stream from lab to auditorium)

**10:40-12:30 p.m.**  
**Hands-on Skills Lab 1**  
Bio-skills Lab, Lower Level  
Anterior Cervical Discectomy and Fusion, Corpectomy, Grafting, Plating, Vertebral Artery Dissection

12:30-1:00  Lunch/Case Discussions  
            Auditorium, 1st Level

1:00-1:15  OPLL / Dural Tears  
           *Thomas E. Mroz, MD*

1:15-1:30  C7 PSO  
           *Jason W. Savage, MD*

1:30-1:45  Transoral Odontoid Resection  
           *Daniel M. Sciubba, MD*

1:45-2:00  Panel Discussion

2:00-2:15  C2-C4, C7-T3 Approaches  
           *Daniel M. Sciubba, MD*

2:15-2:30  Occipital-Cervical Fixation and Odontoid Fixation  
           *Deb A. Bhowmick, MD*

2:30-2:45  C1-C2 Fixation, Grafting Techniques  
           *Wellington K. Hsu, MD*

2:45-3:00  Panel Discussion
3:00-3:15  Break/Switch to Lab Session

**3:15-5:15**  **Hands-on Skills Lab 2**  
Disc Arthroplasty, Odontoid Screw,  
Vertebral Artery Dissection  
Bio-skills Lab, Lower Level

5:15-6:30  Reception for all attendees  
(includes hors d'oeuvres and beer/wine)  
Main Foyer, 1st Level

**Saturday, April 23**

7:00 a.m.  Continental Breakfast  
Break Room, 1st Level

7:35-7:50  Lateral Mass, Pedicle Fixation  
*Warren D. Yu, MD*  
Auditorium, 1st Level

7:50-8:05  Laminoplasty- Indications and Techniques  
*Carlo Bellabarba, MD*

8:05-8:20  Posterior Foraminotomy- Indications and Technique  
*Thomas E. Mroz, MD*

8:20-8:35  Minimally Invasive Foraminotomy, Lateral Mass Fixation  
*Peter G. Whang, MD, FACS*

8:35-9:00  Panel Discussion  
*All Faculty*

9:00-9:15  Break

9:15-10:15  LIVE DEMO - Laminoplasty and Foraminotomy (Wang, Mroz)

**10:15 – 12:30 p.m.**  **Hands-on Skills Lab 3**  
Foraminotomy, Laminoplasty, Lateral Mass Fixation  
C1-C2 Fixation  
Bio-skills Lab, Lower Level

12:30 p.m.  Course Adjourns