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# 11<sup>th</sup> Mayo Clinic Medical and Surgical Spine Course: Comprehensive Cervical Spine Update

January 13-14, 2017 – General Session  
January 12, 2017 – Optional Workshops

<b>Thursday, January 12, 2017</b>		
<b>Optional Pre-Course Sessions</b> Additional Fees Apply		
<b>Pre-Course Session 1:</b> Hands-On Physical Exam Workshop for the Primary Care and Midlevel Provider		
8:00 AM	Stations:	Moderator: Karen Newcomer, M.D.
	• Cervical Spine	Brian E. Grogg, M.D./ Randy A. Shelerud, M.D.
	• Lumbar Spine	Toni J. Hanson, M.D. / Matthew A. Butters, M.D.
	• Hip, Knee, and SIJ	Jeffrey M. Thompson, M.D./ Ralph E. Gay, M.D.
	• Shoulder	Russell Gelfman , M.D./ Wenchun Qu, M.D., M.S., Ph.D.
	• Physical Therapy Exercise Program	Sudeep Jain, P.T., D.P.T., Sandra S. Flatten, P.T., D.P.T., Cert. M.D.T.
	• Yoga PT Demonstration	Pauline H. Lucas, P.T., D.P.T., W.C.S.
12:00 PM	Adjourn	

<b>Pre-Course Session 2:</b> Hands-On Musculoskeletal Ultrasound Workshop		
1:00 PM	Stations:	Moderators: John A. Freeman, D.O. Mark Friedrich B. Hurdle, M.D.
	• Hip/Buttock	Jeffrey S. Brault, D.O.
	• Knee	Mark Friedrich B. Hurdle, M.D.
	• Shoulder	Bryan K. Ganter, M.D.
	• Myofascial/Trigger Points	John A. Freeman, D.O.
	• Nerve Blocks	Matthew J. Pingree, M.D.
5:00 PM	Adjourn	
<b>Pre-Course Session 3:</b> Hands-On Posterior Approaches to the CSP Lab		
7:00 AM	Laminoplasty: Indications, Technique and Complications	Key Note Speaker: John G. Heller, M.D.
7:20 AM	Lecture on Techniques for the day	Lab Faculty
7:40 AM	Lab Orientation Talk	Paul M. Huddleston, M.D.
8:00 AM- 12:45 PM	Hands-On Human Cadaver Lab	Paul M. Huddleston, M.D. W. Richard Marsh, M.D. Brett A. Freedman, M.D.
12:45PM	Wrap-Up and Closing Remarks	Paul M. Huddleston, M.D. W. Richard Marsh, M.D. Brett A. Freedman, M.D.
1:00 PM	Adjourn	

<b>Friday, January 13, 2017</b>		
<b>General Session</b>		
7:00 AM	Introduction to the Course	Ralph E. Gay, M.D.
<b>Cervical Spine Overview</b>		
7:15 AM	Epidemiology of Cervical Spine Disorders	Russell Gelfman , M.D.
7:35 AM	Clinical Anatomy and Biomechanics of the Cervical Spine	Faculty TBD
7:55 AM	Cervical Spine Examination and Clinical Pearls	Brian E. Grogg, M.D.
8:15 AM	Imaging the Cervical Spine for Trauma	Faculty TBD
8:35 AM	Panel/Q & A Session	Ralph E. Gay, M.D.
9:05 AM	Break	
<b>Trauma</b>		
9:25 AM	Mechanisms of Traumatic Injury	Faculty TBD
9:45 AM	Clearing the Cervical Spine	Brett A. Freedman, M.D.
10:05 AM	Post-Trauma Medical Management Overview	Faculty TBD
10:25 AM	Post-Trauma Surgical Management Overview and SLICS Grading	Brett A. Freedman, M.D.
10:45 PM	Panel/Q & A Session	Brett A Freedman, M.D.
11:15 AM	The Surgeon's Role in Determining Cost	John G. Heller, M.D.
12:00 PM	Lunch	
<b>Surgical Cases and Discussion</b>		
12:45 PM	Controversies in Senile Occipito-Cervical and Dens Trauma	Bradford L. Currier, M.D.
1:30 PM	Surgical vs Non-Surgical Treatment of Central Cord Syndrome	Faculty TBD
2:15 PM	Cervical Deformity	Bradford L. Currier, M.D.
3:00 PM	Arthroplasty vs. ACDF	Mohamad Bydon, M.D.
3:45 PM	Adjourn	

**Saturday, January 14, 2017****General Session****Cervical Radiculopathy and Stenosis**

7:00AM	Natural History and Basic Science of Disc Disease	Wenchun Qu, M.D., M.S., Ph.D.
7:20AM	Imaging CSP for Stenosis and Radic	Timothy P. Maus, M.D.
7:40 AM	Medical Management	Randy A. Shelerud, M.D.
8:00 AM	Interventional Pain Management	Timothy P. Maus, M.D.
8:20 AM	Surgical Management	Jamal McClendon, Jr. M.D.
8:40 AM	Panel/Q & A Session	W. Richard Marsh, M.D.
9:00 AM	Break	

**Cervical Degenerative and Inflammatory Disorders**

9:20 AM	Epidemiology, Evaluation, and Differential Diagnosis	Russell Gelfman , M.D.
9:40 AM	Current Evidence for Management of Neck Pain, Updated Results from the Bone and Joint Decade Task Force on Neck Pain and Associated Disorders	Scott Haldeman, M.D.
10:20 AM	Medical/Interventional Pain Management: Outcomes of Spinal Injections at the CSP – Safety, Technique and Efficacy	Faculty TBD
10:40 AM	Surgical Management	Mark A. Pichelmann, M.D.
11:00 AM	Adjacent Segment Disease in the CSP – Natural History or Influenced by Surgery	Mohammed Bydon, M.D.
11:20 AM	Keynote Speaker (Medical) The Global Burden of Spinal Disorders and Current Initiatives to Address This Burden	Scott Haldeman, M.D.
12:00 PM	Lunch	

**Non-Surgical Cases and Discussion**

12:45 PM	Chronic Mechanical Neck Pain	Ralph E. Gay, M.D.
1:30 PM	Cervical Myelopathy	Faculty TBD
2:15 PM	Is It Shoulder or Is It Radiculopathy?	Brian G. Case, APRN, CNS, M.A.N.
3:00 PM	Paresthesias	Faculty TBD
3:45 PM	Adjourn	

