

**HAROON FIAZ CHOUDHRI MD, FAANS**

SUITE 101 – FIRST FLOOR  
BOYCE THOMPSON CENTER  
1088 NORTH BROADWAY, YONKERS, NY 10701  
HCHOUDHRI@HUDSONNEUROSURGERY.COM

**Professional:**

**Hudson Neurosurgery**

Professor of Neurological Surgery June 2017-Present  
Director, Neurosurgery Spine Service & Fellowship

**International Neurospinal Institute**

Director, Neurosurgery Spine Service & Fellowship  
Professor of Neurological Surgery September 2014-Present

**Augusta University (Formerly Medical College of Georgia)**

Professor of Neurological Surgery October 2000-August 2016  
Director, Neurosurgery Spine Service & Fellowship  
Chief, Section of Adult Neurosurgery

**Education:**

**New York University**

Chief Resident 1998-2000  
Fellowship in Spinal Surgery, 1997-98  
AO Fellowship  
Resident in Neurosurgery, 1994-1998  
Internship in General Surgery, 1993-94

**National Hospital for Neurology & Neurosurgery, Queen Square, London, UK**

Neurology Rotation October-December 1996

**Columbia University College of Physicians & Surgeons**

M.D. Awarded May 1993

**University at Albany**

B.S. in Biology Awarded May 1989  
Summa Cum Laude  
Phi Beta Kappa - elected junior year

**Phillips Academy at Andover, Massachusetts**

Graduated June 1986  
Miller Prize in Mathematics  
Cum Laude - Honor Society of New England Prep Schools

**Licensure:**

**GA #049378**  
**NY #214626**  
**SC #28243**  
**ME# 03501930104**

**Board Certification:**

**American Board of Neurological Surgeons – November 2004**  
**RENEWED November 2014-2024**

**Honor Societies:**

Sigma Pi Sigma - National Physics Honor Society  
Beta Beta Beta - National Biology Honor Society  
Cum Laude - Honor Society of New England Prep Schools

**Professional Societies:**

**Walter E. Dandy Neurosurgery Society Spine Division**

Chair 2017-2019  
**Georgia Neurosurgical Association**  
Elected Positions  
Secretary/Treasurer 2015-16  
President Elect 2016-2017  
**Abu Dhabi Spine & Nerves Group**  
International Advisor  
**American Medical Association**  
Elected Positions  
Chair NY Medical Students Section  
Vice-Chair NY Resident Physician Section  
NY Delegation to AMA-HOD (3 times)  
**Congress of Neurological Surgeons**  
**American Association of Neurological Surgeons**  
**North American Spine Society**

**Previous Research:**

**University at Albany**

Neuronal Cell Culture and Intracellular Recording in Crayfish  
Mentors: John Jacklett Ph.D. & Greg Lnenicka Ph.D.

**Columbia University College of Physicians & Surgeons**

Immunohistochemistry in *Aplysia Californicae*  
NIH Supported Research Fellowship  
Mentor: Eric R. Kandel MD, NL  
MCA Occlusion in a Rat Focal Ischemia Model  
Mentor: Robert Solomon MD  
Long Term Follow-up in AVM Patients  
Mentor: Bennett Stein MD

**Publications:**

Frazzini VI, Winfree CJ, **Choudhri HF**, Prestigiacomio CJ, & Solomon RA: *Mild Hypothermia and MK801 have similar, but not additive Degrees of Cerebroprotection in the Rat Permanent Focal Ischemia Model* Neurosurgery 34, pp 1040-1046, 1994

Gruber ML, Glass J, **Choudhri HF**, & Nirenberg A: *Pre-irradiation Carboplatin Chemotherapy in Newly Diagnosed Glioblastoma Multiforme* American Journal of Clinical Oncology, Oct. 97.

**Choudhri HF**, Maya M, Feinberg D, Weinberg J, Groff M, Weiner HL, & Wisoff J: *Evaluation of Patency of Endoscopic Third Ventriculostomy using MRI Flow Study* ASAIO Journal, Volume 44, Number 2, p. 12

**Choudhri HF**: *Use of Expanded Polytetrafluoroethylene (ePTFE) as an Annular Patch after Lumbar Disc Surgery* ASAIO Journal, Volume 44, Number 2, p. 88

Huang, PP, **Choudhri HF**, Jallo GI & Miller DC: *Inflammatory Aneurysm and Neurocystercosis: Further Evidence for a Causal Relationship?* Neurosurgery, Volume 47, Number 2, August 2000, pp 466-468

Osborn I, **Choudhri HF**, & Sandor: *Management of the Patient with acute head injury* In: Rosenberg, AD, Pain Management and Regional Anesthesia in Trauma, WB Saunders Company Ltd, 1999 pp 339-350

Chiles BW, Leonard ML, **Choudhri HF**, & Cooper PR: *Patterns of Recovery in Cervical Spondylotic Myelopathy after Anterior Decompressive Surgery* Neurosurgery, April 1999

**Choudhri HF** & Le Roux PD: *Cerebral Concussion and Diffuse Brain Injury* In: Cooper P, Head Injury 4th Edition, Appleton and Lange

Diamantopolous J, Diez R, Jerez P, Sanmillan J, **Choudhri HF (SIC)**, Cordoba A: *Bilateral Ganglion Cysts: Case Report and Review of the Literature*, Acta Neurochirurgica, Volume 141, Number 7/July 1999

Rahimi SY, Stevens EA, Yeh DJ, Flannery AM, **Choudhri HF**, & Lee MR: *Treatment of Atlantoaxial instability in Pediatric Patients* Neurosurgery Focus, February 2004

Fountas KN, Kapsalaki EZ, Karampelas I, Feltes CH, Dimopoulos VG, Machinis TG, Nikolakakos LG, Boev AN, **Choudhri HF** & Smisson HF\*; Robinson, Joe S. MD, FACS \*: *Results of Long-Term Follow-up in Patients Undergoing Anterior Screw Fixation for Type II and Rostral Type III Odontoid Fractures* Spine, March 15, 2005 Volume 30 Issue 6: 661-669

**Choudhri HF** & Stone JA: *Multidisciplinary Treatment of Vascular Spinal Tumors* Neuroscience Outlook (MCG Neurosurgery Newsletter), Volume 1, Issue 2 – Winter 2005

**Choudhri HF** & Webb D: *Reconstruction Options after Ventral Thoracic Spinal Cord Decompression*, Contemporary Neurosurgery Volume 27, Number 10, May 30, 2005

Vender JR, Hester S, Houle PJ, **Choudhri HF**, Rekito A, McDonnell DE: *The use of closed-suction irrigation systems to manage spinal infections*, Journal of Neurosurgery: Spine, October 3(4): 276-82

Tuttle, J, Shakir A., **Choudhri HF**: *Paramedian approach for transforaminal lumbar interbody fusion with unilateral pedicle screw fixation. Technical note and preliminary report on 47 cases*, Neurosurgery Focus 2006 March 15; 20(3):E5

**Choudhri HF** & Perling LH: *Diagnosis and management of Juxtafacet cysts*, Neurosurgery Focus 2006 March 15; 20(3):E1

**Choudhri HF** & Attia WI: *Three Stage Correction of Fixed Postsurgical Cervical Kyphotic Deformity* Neuroscience Outlook (MCG Neurosurgery Newsletter), Volume 3, Issue 2 – Winter 2007

**Choudhri HF** & Attia WI: *Minimally Invasive Paramedian Unilateral Transforaminal Lumbar Interbody Fusion* Neuroscience Outlook (MCG Neurosurgery Newsletter), Volume 3, Issue 2 – Winter 2007

**Choudhri HF**: *Transthoracic Thoracotomy* In: Connolly ES, Fundamentals of Operative Techniques in Neurosurgery 2nd Edition, pp. 457-460, Thieme

**Choudhri HF**, Choudhri AF & Choudhri TF: *Surgical Management of Postoperative Spinal Infections* In: Connolly ES, Fundamentals of Operative Techniques in Neurosurgery 2nd Edition, pp. 610-612, Thieme

**Choudhri HF**: *Posterior Thoracic/Thoracolumbar Instrumentation* In: Connolly ES, Fundamentals of Operative Techniques in Neurosurgery 2nd Edition, pp. 495-497, Thieme

**Choudhri HF**: *Anterior Thoracic/Thoracolumbar Decompression* In: Connolly ES, Fundamentals of Operative Techniques in Neurosurgery 2nd Edition, pp. 461-463, Thieme

**Choudhri HF**: *Anterior Thoracic/Thoracolumbar Stabilization* In: Connolly ES, Fundamentals of Operative Techniques in Neurosurgery 2nd Edition, pp. 464-467, Thieme

**Choudhri HF**, Choudhri AF & Choudhri TF: *Surgical Management of Primary Spinal Infections: Osteomyelitis, Discitis, and Epidural Abscess* In: Connolly ES, Fundamentals of Operative Techniques in Neurosurgery 2nd Edition, pp. 613-616, Thieme

**Choudhri HF**: *Retropharyngeal Approach* In: Connolly ES, Fundamentals of Operative Techniques in Neurosurgery 2nd Edition, pp. 393-395, Thieme

**Choudhri HF:** *Anterior Cervicothoracic Junction Approach* In: Connolly ES, Fundamentals of Operative Techniques in Neurosurgery 2nd Edition, pp. 428-431, Thieme

**Choudhri HF:** *Odontoid Screw Placement* In: Connolly ES, Fundamentals of Operative Techniques in Neurosurgery 2nd Edition, pp. 395-398, Thieme

Yuan J, Sharma N, **Choudhri HF**, Figueroa R & Sharma S: *Intraventricular dysembryoplastic neuroepithelial tumor in a pediatric patient: is it the most common extracortical location for DNT?*, Child's Nervous System Volume 27, Number 3, pp 485-490

El Fallal S, Al Shardan M, & **Choudhri HF:** *Hydrogen Peroxide Solution as an Inexpensive Intraoperative Hemostatic Agent during Complex Spine Surgery: Technical note and report of 50 cases:* AOA NEUROSURGERY, pp. 14-18, Volume 10 AONS 2010

Woodall MN, Shakir B, Smitherman A & **Choudhri HF:** *Technical Note: Resolution of spontaneous electromyographic discharge following disk space distraction during lateral transpsoas interbody fusion,* International Journal of Spine Surgery, December 2013 Vol. 7, No. 1 pp.e39-341

Shakir BA, Woodall MN, & **Choudhri HF:** *Anterior Cervical Instrumentation Techniques* In: Kim DH, Surgical Anatomy and Techniques to the Spine, pp. 182-186, Elsevier 2013

Wright NM, Park J, Tew JM, Kim KD, Shaffrey ME, Cheng J, **Choudhri HF**, Krishnaney AA, Graham RS, Mendel E & Simmons N: *Spinal Sealant system provides better intraoperative watertight closure than standard of care during spinal surgery: a prospective, multicenter, randomized controlled study* Spine, April 2015

Choudhri TF, **Choudhri HF**, Bailes JE: *Thoracic Injuries and Pain Syndromes in Athletes* In: Hecht AC, Spine Injuries in Athletes, Chapter 22, Wolters Kluwer 2017

Nguyen KD, **Choudhri HF**, & Macomson SD: *The Intercostal nerve as a target for diagnostic biopsy* J Neurosurgery, May 2017

#### **Poster Presentations:**

**Choudhri HF**, Glass J, Nirenberg A, & Gruber M: *High Dose Neoadjuvant Carboplatin Chemotherapy in the treatment of Newly Diagnosed GBM* Congress of Neurological Surgeons Tumor Satellite Meeting, Oct. 96.

**Choudhri HF**, Maya M, Feinberg D, Weinberg J, Groff M, Weiner HL, & Wisoff J: *Evaluation of Patency of Endoscopic Third Ventriculostomy using MRI Flow Study* Congress of Neurological Surgeons, Oct. 97.

**Choudhri HF**, Benjamin V, Kupersmith M, Huna R, Russell S, & Babu R: *Nonsurgical Management of Primary Cavernous Sinus Meningiomas* Congress of Neurological Surgeons, Oct. 97.

**Choudhri HF**, Maya M, Feinberg D, Weinberg J, Groff M, Weiner HL, & Wisoff J: *Evaluation of Patency of Endoscopic Third Ventriculostomy using MRI Flow Study* American Society of Artificial Internal Organs, April 98.

**Choudhri HF**, Glass J, Nirenberg A & Gruber M: *High Dose Neoadjuvant Chemotherapy in the treatment of Newly Diagnosed Malignant Glioma* Congress of Neurological Surgeons, Oct. 97.

Weiner H, **Choudhri HF**, Weinberg J, Sapp M, Gardner S, Wisoff J, & Finlay J: *The Role of High-Dose Chemotherapy and Autologous Stem Cell Rescue in the Treatment of Malignant Gliomas of Childhood: A Re-Appraisal*

**Choudhri HF**, Osborn BA, Azmi-Ghadimi H, Russell S, Glass J, Nirenberg A & Gruber M: *High Dose Neoadjuvant Chemotherapy in the treatment of Newly Diagnosed Malignant Glioma* American Association of Neurological Surgeons, May 1999

**Choudhri HF** & Dryer JW: *PRECLUDE Spinal Membrane versus ADCON-L gel in the Prevention of Epidural Fibrosis* American Association of Neurological Surgeons, May 1999

**Choudhri HF** & Dryer JW: *PRECLUDE Spinal Membrane versus ADCON-L gel in the Prevention of Epidural Fibrosis* Congress of Neurological Surgeons, October 1999

**Choudhri HF**, Tao CW, Rahimi S, Fryburg K, Lobel DA & Vender JR: *Early Experience with a new Vertical Distraction Cage for Reconstruction of the Thoracic and Lumbar Spine after Corpectomy* Joint Section on Spine and Peripheral Nerve Disease, February 2002

**Choudhri HF**, Tao CW, Rahimi S, Fryburg K, Lobel DA & Vender JR: *Early Experience with a new Vertical Distraction Cage for Reconstruction of the Thoracic and Lumbar Spine after Corpectomy* American Association of Neurological Surgeons, April 2002

**Choudhri HF**, Tao CW, Rahimi S, Fryburg K, Lobel DA & Vender JR: *Wedge-Shaped allograft for Reconstruction after Cervical Corpectomy* American Association of Neurological Surgeons, April 2002

**Choudhri HF**, Tao CW, Rahimi S, Fryburg K, Lobel DA & Vender JR: *Minimally Invasive Posterior Cervical Decompression and Fusion* American Association of Neurological Surgeons, April 2002

**Choudhri HF**, Tao CW, Rahimi S, Fryburg K, Lobel DA & Vender JR: *Early Experience with a new Vertical Distraction Cage for Reconstruction of the Thoracic and Lumbar Spine after Corpectomy* Osteotech New Technologies Symposium Rio Mar, Puerto Rico, April 2002

**Choudhri HF**, Tao CW, Rahimi S, Fryburg K, Lobel DA & Vender JR: *Early Experience with a new Vertical Distraction Cage for Reconstruction of the Thoracic and Lumbar Spine after Corpectomy* Congress of Neurological Surgeons, September 2002

**Choudhri HF**, Tao CW, Rahimi S, Fryburg K, Lobel DA & Vender JR: *Minimally Invasive Posterior Cervical Decompression and Fusion* Congress of Neurological Surgeons, September 2002

**Choudhri HF**, Tao CW & Lobel DA: *Experience with Vertical Distraction Cages for Reconstruction of the Thoracic and Lumbar Spine after Corpectomy* American Association of Neurological Surgeons, April 2005

**Choudhri HF**, Hughes D, Shellito K & Attia WI: *Correction of Iatrogenic Cervical Kyphosis* Congress of Neurological Surgeons, October 2009

Choudhri AF, Youseff P, Wang D & **Choudhri HF**: *TLICS Scoring using a mobile DICOM viewer* Congress of Neurological Surgeons, October 2009

Choudhri AF, Raghavan P & **Choudhri HF**: *Application of the TLICS Scoring system to assess the severity of thoracolumbar trauma* Radiological Society of North America, December 2009

Wang D & **Choudhri HF**: *Case Report: Management of a Spinal Ganglioglioma in a Pregnant Female* Congress of Neurological Surgeons, October 2010

#### **Oral Presentations:**

Evaluation of Patency of Endoscopic Third Ventriculostomy using MRI Flow Study  
Congress of Neurological Surgeons (Oral Poster), Oct. 97

Acute & Subacute Management of Spinal Cord Injuries

Rusk Institute of Rehab Medicine, Oct. 97

Evaluation of Patency of Endoscopic Third Ventriculostomy using MRI Flow Study  
Joint Section on Pediatric Neurological Surgery, Dec. 97

New Technologies in the Prevention of Peridural Fibrosis  
New York Neurosurgical Society, April 98

Endoscopic Third Ventriculostomy  
American Society of Artificial Internal Organs, April 98

Clinical Decision Making in a case of Complex Spine Trauma  
NYU/Hospital for Joint Diseases Spine Conference, April 98

New Technologies in the Prevention of Epidural Fibrosis  
NYU/HJD Conference on Spinal Pain, October 98

PRECLUDE Spinal Membrane vs ADCON-L gel to prevent Epidural Fibrosis  
North American Spine Society, October 98

PRECLUDE Spinal Membrane vs ADCON-L gel in the Prevention of Epidural Fibrosis  
Joint Section on Spine & Peripheral Nerves, February 99

Original Experiments in Dural Biology  
NYU Department of Neurosurgery Grand Rounds, April 1999

Biomechanical Evaluation of Dural Closure Leakage Rates  
North American Skull Base Society, May 1999

Biomechanical Evaluation of Strength of Dural Closure using Duraclose Clips  
North American Skull Base Society, May 1999

Patterns of Neurological Recovery after Anterior Cervical Decompression for Cervical Spondylotic Myelopathy  
Manhattan VA Department of Rehab Medicine, September 1999

Neurological Examination and Strategies for Managing Increased Intracranial Pressure  
NYU School of Nursing, May 2000

Care of the Neurosurgical Patient in the PACU  
NYU School of Nursing, June 2000

Management of Spinal Cord Injuries  
MCG Department of Neurosurgery Grand Rounds, October 2000

Experiments in Epidural Fibrosis  
Georgia Neurosurgical Society, November 2000

Vertical Distraction Cages for Anterior Thoracolumbar Reconstruction  
Georgia Neurosurgical Society, May 2001

Cranial Fixation Strategies & Soft Tissue Patches for Dural Closure  
AO Neurosurgical Course, San Diego, October 2001

Clinical Decision Making in Patients with Cervical Spine Disorders  
Grand Rounds, Neurology Medical College of Georgia, October 2001

Clinical Decision Making in Patients with Cervical Spine Disorders  
Jacksonville Spine Society

Surgical Decision Making in Patients with Cervical Spine Disorders  
Spine on The Beach Meeting, Myrtle Beach, SC, October 2001

Minimally Invasive Posterior Cervical Surgery  
Georgia Neurosurgical Society, November 2001

Discogenic Neck and Back Pain  
School of Allied Health Sciences, Physician Assistant Department, January 2002

Cervical Spine Decision-Making  
Osteotech New Technologies Symposium, Aventura, FL, January 2002

Thoracolumbar Spinal Reconstruction  
Osteotech New Technologies Symposium, Aventura, FL, January 2002

Cervical Spine Decision-Making  
Osteotech New Technologies Symposium, Rio Mar, Puerto Rico, April 2002

Thoracolumbar Spinal Reconstruction  
Osteotech New Technologies Symposium, Rio Mar, Puerto Rico, April 2002

Minimally Invasive Spine Surgery  
Advanced Surgical Techniques for Spinal Fusion, Toronto, April 2002

Indications for Cervical Spine Surgery  
Advanced Surgical Techniques for Spinal Fusion, Toronto, April 2002

Surgical Decision-Making in Patients with Spinal Diseases  
NY Presbyterian (Cornell/Columbia) Department of Rehabilitation Medicine, June 2002  
Visiting Professor

Surgical Decision-Making in Patients with Cervical Spine Diseases  
Neurosurgery Grand Rounds, Medical College of Georgia, August 2002

Surgical Decision-Making in Patients with Cervical Spine Diseases  
General Surgery Grand Rounds, Medical College of Georgia, August 2002

Cranial Fixation Strategies & Soft Tissue Patches for Dural Closure  
AO Neurosurgical Course, Philadelphia, September 2002

Thoracolumbar Spinal Reconstruction  
South Carolina Spine Society, Charleston, September 2002

Anterior Lumbar Interbody Fusion  
New technologies in Spinal Surgery, Lake Oconee, September 2002

Thoracic Disc Disease  
New technologies in Spinal Surgery, Lake Oconee, September 2002

Posterior Cervical Spine Surgery  
New technologies in Spinal Surgery, Lake Oconee, September 2002

Anterior Lumbar Interbody Fusion  
Emerging Technologies in Spine Surgery, Palm Beach, October 2002

Thoracolumbar Spinal Reconstruction Options  
Osteotech Training Seminar, Red Bank, NJ, January 2003

Use of Radiographic Studies for Surgical Decision Making in Patients with Degenerative Disease of the Cervical Spine  
American Society of Spine Radiology, Phoenix, AZ February 2003

Minimally Invasive Posterior Cervical Surgery  
Southern Neurosurgical Society, Orlando FL March 2003

Subarachnoid Hemorrhage  
MCG Heart and Brain Attack Meeting  
Hilton Head, SC April 2003

Georgia Neurosurgical Society Spine Reconstruction Workshop Instructor  
Sea Island, GA May 2003

Surgical Anatomy Workshop – Medical College of Georgia  
Thoracolumbar Corpectomies and Reconstruction                      June 2003

Surgical Anatomy Workshop – Medical College of Georgia  
Anterior Lumbar Interbody Fusion                      August 2003

Cranial Fixation Strategies & Soft Tissue Patches for Dural Closure  
AO Neurosurgical Course, Rosemont IL, September 2003

Vertical Distraction Cages  
Visiting Professor, Louisiana State University Department of Neurosurgery, September 2003

Thoracolumbar Spinal Reconstruction Options  
Osteotech Training Seminar, Red Bank, NJ, September 2003

Reconstruction of Spinal Defects after Thoracolumbar Corpectomy  
MCG Department of General Surgery Grand Rounds, November 2003

Surgical Decision-Making in Patients with Cervical Spine Pathology  
Neuroscience Nursing Education Conference, Medical College of Georgia, November 2003

Discogenic Back Pain – Evaluation and Management  
Physicians Assistants Training Program, Medical College of Georgia, February 2004

Coding for Spinal Surgery  
Augusta Georgia Chapter of American Association of Professional Coders, March 2004

Subarachnoid Hemorrhage  
MCG Heart and Brain Attack Meeting  
Hilton Head, SC April 2004

Vertical Distraction Cages in the Reconstruction of Spinal Defects after Thoracolumbar Corpectomy  
Visiting Professor, Johns Hopkins University Department of Neurosurgery, March 2004

Review of Bone Grafting Options  
Current Concepts in Grafting a Think Tank for the Spinal Market, San Diego July 2004

Neurosurgery 101 – Reconstruction after Thoracolumbar Surgery  
MCG Department of Neurosurgery Grand Rounds, August 2004

Neurosurgery 101 – Surgery for Degenerative Cervical Pathology  
MCG Department of Neurosurgery Grand Rounds, August 2004

Vertical Distraction Cages in the Reconstruction of Spinal Defects after Thoracolumbar Corpectomy  
Visiting Professor, Mount Sinai, Department of Neurosurgery, January 2005

Vertical Distraction Cages in the Reconstruction of Spinal Defects after Thoracolumbar Corpectomy  
Visiting Professor, Wayne State University, Department of Neurosurgery, February 2005

Surgical Decision-Making in Patients with Cervical Spine Pathology  
Family Medicine Noon Conference, Medical College of Georgia, May 2005

Neurosurgery 101 – Surgery for Degenerative Cervical Pathology  
MCG Department of Neurosurgery Grand Rounds, January 2006

Member of Spine Expert Panel – Controversies in Spine Surgery  
Georgia Neurosurgical Society, May 2006

Multidisciplinary Strategies to Reduce the Incidence of Wrong Side/Wrong Site/Wrong Patient Surgery  
Invited Keynote at Georgia Hospital Association Annual Meeting, May 2006

Use of a New Synthetic Bone Growth Substitute in Complex Spine Surgery  
First International Congress of the Chinese Orthopaedic Association, November 2006

Three Stage Correction of Fixed Postsurgical Cervical Kyphotic Deformity  
First International Congress of the Chinese Orthopaedic Association, November 2006

Program Chair – Spring Meeting  
Georgia Neurosurgical Society, May 2007

Development of Spine Center of Excellence  
Al-Noor Hospital, Abu Dhabi UAE, June 2007

Development of Spine Center of Excellence  
Dubai Bone & Joint Center, Dubai UAE, June 2007

Indications for Revision of Spinal Instrumentation  
Neurospine Group 2, Meeting of the Egyptian Neurosurgical Society, July 2007

Treatment Strategies for Cervical Kyphotic Deformity  
Neurospine Group 2, Meeting of the Egyptian Neurosurgical Society, July 2007

Thoracic Spine Instrumentation: 90 Consecutive Cases with Vertical Distraction Cages  
Neurospine Group 2, Meeting of the Egyptian Neurosurgical Society, July 2007

Cervical and Thoracic Spinal Instrumentation Workshop – Program Director  
Neurospine Group 2, Meeting of the Egyptian Neurosurgical Society, July 2007

Panelist for Discussion on “How to Develop Spine Training Programs”  
Neurospine Group 2, Meeting of the Egyptian Neurosurgical Society, July 2007

Panelist for Discussion on “How to Develop Spine Research Programs”  
Neurospine Group 2, Meeting of the Egyptian Neurosurgical Society, July 2007

Complex Spine Surgery Part 1: Revision Spine Surgery  
Visiting Professor, King Fahd Hospital, Jeddah, Kingdom of Saudi Arabia September, 2007

Complex Spine Surgery Part 2: Management of Iatrogenic Cervical Deformity  
Visiting Professor, King Fahd Hospital, Jeddah, Kingdom of Saudi Arabia September, 2007

Spinal Instrumentation  
Visiting Professor, Saudi National Guard Hospital, King Khalid Medical City, Kingdom of Saudi Arabia, September 2007

Indications for Revision of Spinal Instrumentation  
Pan Arab Spine Society meeting in Tunisia, October 2007

Moderator for Spinal Trauma and Spinal Cord Injury Open Paper Session  
Pan Arab Spine Society meeting in Tunisia, October 2007

Program Chair – Fall Meeting  
Georgia Neurosurgical Society, November 2007

Surgical Management of Patients with Iatrogenic Kyphotic Deformity: Indications and Options for Surgery  
Georgia Neurosurgical Society, November 2007

Grand Rounds: Management of Patients Requiring Spine Surgery after Kyphoplasty  
Visiting Professor, Al-Razi Hospital, Department of Orthopaedic Surgery, Kuwait February 2008

Surgical Management of Cervical-Thoracic Deformity: Approach Strategies & Advanced Instrumentation Techniques  
Visiting Professor, Al-Razi Hospital, Department of Orthopaedic Surgery, Kuwait February 2008

Ventral Approaches to the Craniocervical Junction  
US Spine Masters Meeting in Dubai, February 2008

Posterior Atlantoaxial Fixation Techniques  
US Spine Masters Meeting in Dubai, February 2008

Meeting Chairman  
1<sup>st</sup> Stryker Spine Middle East/Africa Symposium Dubai, March 2008

Cervical Spondylotic Myelopathy  
1<sup>st</sup> Stryker Spine Middle East/Africa Symposium Dubai, March 2008

Cervical Surgery Decision Making: Anterior/Posterior/Combined  
1<sup>st</sup> Stryker Spine Middle East/Africa Symposium Dubai, March 2008

Posterior C12 Instrumentation Techniques  
1<sup>st</sup> Stryker Spine Middle East/Africa Symposium Dubai, March 2008

Complication Avoidance: Tips & Tricks for Cervical Surgery  
1<sup>st</sup> Stryker Spine Middle East/Africa Symposium Dubai, March 2008

Management of Cervical Kyphosis  
1<sup>st</sup> Stryker Spine Middle East/Africa Symposium Dubai, March 2008

Indications for Surgery: Degenerative Thoracic & Lumbar Pathologies  
1<sup>st</sup> Stryker Spine Middle East/Africa Symposium Dubai, March 2008

Lumbar Revision Surgery: Indications & Options  
1<sup>st</sup> Stryker Spine Middle East/Africa Symposium Dubai, March 2008

Advanced Deformity Correction – Sagittal Balance  
1<sup>st</sup> Stryker Spine Middle East/Africa Symposium Dubai, March 2008

Surgical Management of Complex Mass Lesions near the Craniocervical Junction: Ventral Approaches & Advanced Instrumentation Techniques  
Visiting Professor, Ibn Sina Hospital, Department of Neurosurgery, Kuwait June 2008

Thoracic & Lumbar Spine Instrumentation Techniques  
Visiting Professor, Ibn Sina Hospital, Department of Neurosurgery, Kuwait July 2008

Advanced Instrumentation Techniques for Posterior Cervical Spine Surgery: Occipital Cervical, C12, Upper Thoracic  
Lecture and Course Director for Cadaver Lab Course, Atlanta July 26, 2008

Meeting Chairman  
Bringing Complex Spine Surgery to your Practice, Atlanta, August 2008

Ventral Approaches to the Craniocervical Junction  
Bringing Complex Spine Surgery to your Practice, Atlanta, August 2008

Cervical-Thoracic Deformity: Prevention and Treatment Strategies  
Bringing Complex Spine Surgery to your Practice, Atlanta, August 2008

Reconstruction of Ventral Thoracolumbar Corpectomy Defects with Vertical Distraction Cages  
Bringing Complex Spine Surgery to your Practice, Atlanta, August 2008

Role of CT in Spine Surgery  
Annual Pool Society Meeting, Department of Radiology, Medical College of Georgia, August 2008

Posterior Cervical & Thoracic Surgery – Instrumentation Techniques  
Visiting Professor, Tawam Hospital, In Affiliation with Johns Hopkins, Al-Ain, UAE August 2008

Posterior Occipital, Cervical & Thoracic Instrumentation Techniques (Lecture & Workshop)  
Visiting Professor, Zayed Military Hospital, Abu Dhabi, UAE August 2008

Surgical Management of Postoperative Cervical Kyphosis (Hospital-wide CME program)  
Visiting Professor, Zayed Military Hospital, Abu Dhabi, UAE August 2008

Surgical & Perioperative Management of the Previously Operated & Narcotic Dependent Patients  
Visiting Professor, Tawam Hospital, In Affiliation with Johns Hopkins, Al-Ain, UAE October 2008

Imaging of Spinal Hardware: What exactly are complicating features?  
Radiological Society of North America, Chicago December 2008

Thoracic & Lumbar Spine Imaging: What does the Surgeon want to know?  
American Society of Spine Radiology, Orlando FL, February 2009

Neurosurgery Relief Efforts During the Gaza Crisis  
Augusta Public Library, March 2009

Visiting Professor in Neurosurgery  
King Fahad Medical City, Riyadh, KSA June 2009

Management of Iatrogenic Cervical Deformity  
Riyadh Spine Club, Riyadh, KSA June 2009

Management of Complex Mass lesions at the Craniocervical Junction  
Neuroscience Grand Rounds, King Fahad Medical City, Riyadh, KSA June 2009

Cervical Spine Instrumentation Techniques  
Resident Lecture and Sawbones Workshop, King Fahad Medical City, Riyadh, KSA June 2009

Neurosurgery 101 – Posterior Cervical Surgery: Techniques & Nuances  
MCG Department of Neurosurgery Grand Rounds, October 2009

Disc Replacement Surgery: Is it Prime Time?  
American Society of Spine Radiology, Las Vegas NV, February 2010

Surgical Considerations in Patients with Degenerative Spine Disease  
American Society of Spine Radiology, Las Vegas NV, February 2010

Surgical Evaluation and Management of Back Pain  
Internal Medicine, Recent Advances, Kiawah Island SC, June 2010

Surgical Evaluation and Management of Neck Pain  
Internal Medicine, Recent Advances, Kiawah Island SC, June 2010

Prospective Randomized Controlled Trial in Spine Patients: Low Swell Formulation of a Polyethylene Glycol Hydrogel Spinal Sealant versus Adhesive Glue to Achieve Watertight Dural Closure: Results of the Multi-institution Randomized Trial  
North American Spine Society, Orlando FL, October 2010

Advanced Strategies in the Management of Sagittal Balance  
Abu Dhabi Orthopaedic Club, October 2010

Complex Mass Lesions at the Craniocervical Junction  
Abu Dhabi Orthopaedic Club, October 2010

Advanced Strategies in the Management of Patients with Compression Fractures: Beyond Kyphoplasty  
Abu Dhabi Orthopaedic Club, October 2010

Management of Cervical Deformity  
4<sup>th</sup> International Congress of the Emirates Neuroscience Society, November 2010

Complex Mass Lesions at the Craniocervical Junction: Surgical Strategies to Reduce Complications  
4<sup>th</sup> International Congress of the Emirates Neuroscience Society, November 2010

Tips & Tricks to Reduce Complications in Complex Spine Surgery Patients  
4<sup>th</sup> International Congress of the Emirates Neuroscience Society, November 2010

Critical Decision Making in patients with Complex Thoracolumbar Pathology: Anterior versus Posterior versus Lateral versus Minimally Invasive – Which Approach is Best?  
4<sup>th</sup> International Congress of the Emirates Neuroscience Society, November 2010

Posterior Cervical Surgery: Advanced Instrumentation Techniques & Cadaver Lab  
Columbia SC, December 2010

Visiting Professor in Neurosurgery  
King Fahad Medical City, Riyadh, KSA April 2011

Advanced Management of Cervical Deformity  
Neuroscience Grand Rounds, King Fahad Medical City, Riyadh, KSA April 2011

Degenerative Instability: Clinical Assessment & Management Strategy  
12<sup>th</sup> Dubai Spine Conference, May 2011

Anterior Cervical Approaches: Tips & Tricks to Reduce Complications  
12<sup>th</sup> Dubai Spine Conference, May 2011

Vascular Complications in Spine Surgery  
12<sup>th</sup> Dubai Spine Conference, May 2011

Visiting Professor in Neurosurgery  
New Al Mowasat Hospital, Kuwait October & December 2011

Visiting Professor in Neurosurgery  
Kuwait Oil Company/Ahmadi Hospital, Ahmadi Kuwait December 2011

Management of Cervical Kyphosis  
First Saudi International Spine Conference, Riyadh, Saudi Arabia January 2012

Surgical Strategies for Complex Mass Lesions at the Craniocervical Junction  
First Saudi International Spine Conference, Riyadh, Saudi Arabia January 2012

Moderator, Plenary Session for Minimally Invasive Spine Surgery  
First Saudi International Spine Conference, Riyadh, Saudi Arabia January 2012

Surgery for Extreme Cervical Deformity  
First Saudi International Spine Conference, Riyadh, Saudi Arabia January 2012

Management of Subaxial Cervical Spine Trauma  
13<sup>th</sup> Dubai Spine Conference, May 2012

Lateral Transposas Interbody Fusion (LTIF) in Degenerative Spine Disease  
13<sup>th</sup> Dubai Spine Conference, May 2012

ARIA Tips & Tricks: Lateral Transposas Interbody Fusion (LTIF)  
Stryker Lateral Approach Course, May 2012

Cadaver Workshop Instructor [Lateral Transposas Interbody Fusion (LTIF)]  
Stryker Lateral Approach Course, May 2012

New Strategies for Spinal Tumor Surgery  
Emirates Neuroscience Society, Dubai November 2012

New Techniques for Minimally Invasive Posterior Cervical Spine Surgery  
Third Neurosurgical Updates Conference, Jeddah, Kingdom of Saudi Arabia, February 2013

Complex Cervical Reconstruction  
Third Neurosurgical Updates Conference, Jeddah, Kingdom of Saudi Arabia, February 2013

Case Presentations: Cervical Spine  
Third Neurosurgical Updates Conference, Jeddah, Kingdom of Saudi Arabia, February 2013

Lateral Transpsoas Interbody Fusion: Tips & Tricks  
Third Neurosurgical Updates Conference, Jeddah, Kingdom of Saudi Arabia, February 2013

High Anterior Cervical Approach (Cadaver Workshop)  
Third Neurosurgical Updates Conference, Jeddah, Kingdom of Saudi Arabia, February 2013

Management of Mass Lesions at the Craniocervical Junction  
Saudi Association of Neurological Surgery, Jeddah, Kingdom of Saudi Arabia, April 2013

Ventral Thoracolumbar Reconstruction Options: Vertical Distraction Cages  
Saudi Association of Neurological Surgery, Jeddah, Kingdom of Saudi Arabia, April 2013

Pearls and Pitfalls of Sacroiliac Joint Fixation Techniques  
14<sup>th</sup> Dubai Spine Conference, April 2013

Anatomic Basis for Safe Placement of Posterior Cervical Instrumentation  
14<sup>th</sup> Dubai Spine Conference, April 2013

Cadaver Lab Instructor Posterior Cervical Instrumentation  
Gulf University, Ajman, United Arab Emirates, April 2013

Cadaver Lab Instructor Lateral Transpsoas Interbody Fusion  
Long Island, NY, June 2013

Complex Cervical Reconstruction: Principles and Techniques  
Maghreb American Health Forum, Casablanca, Morocco, September 2013

Lateral Transpsoas Interbody Fusion: Tips & Tricks  
South Carolina Spine Society, Charleston, South Carolina, September 2013

Current Concepts in Spinal Trauma Surgery  
Majmah University, Majmah, Kingdom of Saudi Arabia, December 2013

Management of Cervical Deformity  
Majmah University, Majmah, Kingdom of Saudi Arabia, December 2013

Visiting Professor in Neurosurgery  
Majmah University, Majmah, Kingdom of Saudi Arabia, December 2013

Management of Complex Mass Lesions at the Craniocervical Junction  
3<sup>rd</sup> Spine Update Conference, Jeddah, Kingdom of Saudi Arabia, December 2013

Extreme Cervical Deformity  
3<sup>rd</sup> Spine Update Conference, Jeddah, Kingdom of Saudi Arabia, December 2013

Tips & Tricks for Cervical Spine Surgery  
3<sup>rd</sup> Spine Update Conference, Jeddah, Kingdom of Saudi Arabia, December 2013

Lateral Transpsoas Interbody Fusion: Tips & Tricks  
3<sup>rd</sup> Spine Update Conference, Jeddah, Kingdom of Saudi Arabia, December 2013

Vertical Distraction Cages for Ventral Thoracolumbar Reconstruction  
3<sup>rd</sup> Spine Update Conference, Jeddah, Kingdom of Saudi Arabia, December 2013

Complex Cervical Reconstruction: Cadaver Lab  
3<sup>rd</sup> Spine Update Conference, Jeddah, Kingdom of Saudi Arabia, December 2013

Minimally Invasive Spine Surgery: Is it Really necessary?  
15<sup>th</sup> Dubai Spine Conference/10<sup>th</sup> Pan Arab Spine Society, April 2014

Surgical Management of Sacral Fractures  
15<sup>th</sup> Dubai Spine Conference/10<sup>th</sup> Pan Arab Spine Society, April 2014

Strategies to reduce the need for revision spine surgery  
15<sup>th</sup> Dubai Spine Conference/10<sup>th</sup> Pan Arab Spine Society, April 2014

Cadaver Lab Instructor Lateral Transpsoas Approach  
Gulf University, Ajman, United Arab Emirates, April 2014

Cadaver Lab Instructor Posterior C12 Instrumentation  
Gulf University, Ajman, United Arab Emirates, April 2014

Cadaver Lab Instructor Occipital-Cervical Instrumentation  
Gulf University, Ajman, United Arab Emirates, April 2014

Minimally Invasive Spine Surgery: Debate  
10<sup>th</sup> Pan Arab Neurosurgery Society, December 2014

Vertebral Column Transection: A New Osteotomy for Correction of Trunk Shift  
10<sup>th</sup> Pan Arab Neurosurgery Society, December 2014

Osteotomies for Spinal Deformity Correction  
16<sup>th</sup> Dubai Spine Conference/1<sup>st</sup> Arab Spine Society, April 2015

New Strategies for Spine Tumor Resection  
16<sup>th</sup> Dubai Spine Conference/1<sup>st</sup> Arab Spine Society, April 2015

Debate: MIS v Open Approaches for Degenerative Scoliosis  
16<sup>th</sup> Dubai Spine Conference/1<sup>st</sup> Arab Spine Society, April 2015

Management of Sacral Tumors  
Egyptian Spine Association, Aswan, Egypt, November 2015

Management of Complex Mass Lesions of the Craniocervical Junction  
Egyptian Spine Association, Aswan, Egypt, November 2015

Tips & Tricks for Cervical Spine Surgery  
Egyptian Spine Association, Aswan, Egypt, November 2015

Management of Sacral Tumors  
5<sup>th</sup> International MASSIN Meeting, Dead Sea, Jordan, November 2015

Surgical Decision Making for Complex Mass Lesions of the Craniocervical Junction  
5<sup>th</sup> International MASSIN Meeting, Dead Sea, Jordan, November 2015

Conventional versus MIS Instrumentation for Spine Surgery  
5<sup>th</sup> International MASSIN Meeting, Dead Sea, Jordan, November 2015

Management of Sacral Tumors

9<sup>th</sup> Asia Pacific Cervical Spine Society/1<sup>st</sup> Arab Spine Academy, Dubai, UAE, November 2015

Management of Complex Mass Lesions of the Craniocervical Junction  
9<sup>th</sup> Asia Pacific Cervical Spine Society/1<sup>st</sup> Arab Spine Academy, Dubai, UAE, November 2015

Tips & Tricks for Cervical Spine Surgery  
9<sup>th</sup> Asia Pacific Cervical Spine Society/1<sup>st</sup> Arab Spine Academy, Dubai, UAE, November 2015

Should Neurosurgeons Perform Scoliosis Surgery?  
5<sup>th</sup> Congress of the Gulf Neurosurgery Society/3<sup>rd</sup> Emirates Society of Neurosurgical Surgeons/1<sup>st</sup> Dandy Quadrennial Meeting, Dubai, UAE, November 2015

Palliative Spine Surgery  
1<sup>st</sup> UAE Palliative Care Conference, Abu Dhabi, UAE, January 2106

Should Neurosurgeons Perform Scoliosis Surgery?  
60<sup>th</sup> Reunion of MCG Neurosurgery, Augusta, Georgia, April 2016

Should Neurosurgeons Perform Scoliosis Surgery?  
Georgia Neurosurgical Society, Sea Island, Georgia, May 2016

Moderator – Oral Poster Session  
5<sup>th</sup> Dandy Annual Meeting, Santa Monica, California, November 2016

Minimally Invasive Spine Surgery: How I do it (Lateral Transpsoas Interbody Fusion)  
5<sup>th</sup> Dandy Annual Meeting, Santa Monica, California, November 2016

Avoiding complications when teaching Complex Spine Surgery: Progressive Responsibility Model  
5<sup>th</sup> Dandy Annual Meeting, Santa Monica, California, November 2016

Moderator – Spinal Surgery Session  
4<sup>th</sup> Emirates Society of Neurological Surgeons Meeting, Dubai, UAE, November 2016

Teaching Complex Spine Surgery: Progressive Responsibility Model  
4<sup>th</sup> Emirates Society of Neurological Surgeons Meeting, Dubai, UAE, November 2016

The Aging Spine: Long v. Short Constructs after failed Cement Augmentation  
Cleveland Clinic Neuroscience Update, Abu Dhabi, UAE, December 2016

Cervical & Thoracic Spine: Introduction to Surgical Management of Degenerative Pathology  
Abu Dhabi Spine & Nerves Group: Spine 101, Abu Dhabi, UAE, February 2017

Lumbar Spine: Introduction to Surgical Management of Degenerative Pathology  
Abu Dhabi Spine & Nerves Group: Spine 101, Abu Dhabi, UAE, February 2017

Visiting Professor  
Shriners' Hospital for Children, Philadelphia, June 2017

C12 Instrumentation Review  
Abu Dhabi Spine & Nerves Group, Abu Dhabi, UAE, September, 2017

Director, Posterior Cervical Surgery Cadaver Lab  
6<sup>th</sup> Dandy Annual Meeting, St. Louis, November 2017

Freehand Technique for C12 Instrumentation

6<sup>th</sup> Dandy Annual Meeting, St. Louis, November 2017

Complication Avoidance in Spine Surgery: Morbidity & Mortality Plenary Session Moderator  
6<sup>th</sup> Dandy Annual Meeting, St. Louis, November 2017

Spine Subspecialty Board Certification  
6<sup>th</sup> Dandy Annual Meeting, St. Louis, November 2017

Chairman – Spine & Peripheral Nerves Session  
5<sup>th</sup> Emirates Society of Neurological Surgeons Meeting/5<sup>th</sup> Gulf Neurosurgical Conference, Dubai,  
UAE, November 2017

Preparations for Adult Spinal Deformity Surgery: When not to operate?  
5<sup>th</sup> Emirates Society of Neurological Surgeons Meeting/5<sup>th</sup> Gulf Neurosurgical Conference, Dubai,  
UAE, November 2017

Keynote Lecture: Management of “Inoperable” Tumors of the Spine  
5<sup>th</sup> Emirates Society of Neurological Surgeons Meeting/5<sup>th</sup> Gulf Neurosurgical Conference, Dubai,  
UAE, November 2017

#### **Grants & Consulting Affiliations:**

##### **W.L. Gore & Associates**

Funds for development of canine laminectomy model of epidural fibrosis and experiments  
comparing PRECLUDE Spinal Membrane and ADCON-L Gel in the prevention of epidural fibrosis  
Funds for biomechanical evaluation of dural closure techniques

##### **ANIKA Therapeutics**

Funds for development of canine discectomy model and experiments in the development and  
prevention of epidural fibrosis and reherniation of lumbar discs

##### **Synthes**

Funds for biomechanical evaluation of cranial fixation techniques  
Funds for support of Spine Fellowship

##### **State of Kuwait, Ministry of Defense**

Funds for support of Spine Fellowship

##### **STRYKER**

Funds for support of Spine Fellowship  
International Consultant

##### **Zymogenetics**

Speakers Bureau

##### **Doctors Research Group**

Consultant

##### **Abu Dhabi Spine & Nerves Group**

International Advisor