

**NAME:** Ishaq Y. Syed, MD, MS, FAAOS

**CURRENT EMPLOYMENT:**

8/15-Current            Baylor Scott & White Orthopedic Associates of Dallas  
Health Texas Provider Network  
Clinical Assistant Professor of Surgery, Texas A&M  
Baylor University Medical Center of Dallas, Clinical Faculty  
3900 Junius Street  
Suite 500  
Dallas, Texas 75246

**EMPLOYMENT HISTORY:**

8/10-7/15            Wake Forest University Baptist Medical Center  
Assistant Professor  
Department of Orthopaedic Surgery, Spine Division  
Department of Neurosurgery  
Winston-Salem, North Carolina

**EDUCATION:**

1996-2000            Johns Hopkins University  
Baltimore, Maryland  
Bachelors of Science (BS) Biomedical Engineering

2000-2004            Case Western Reserve University  
School of Medicine  
Cleveland, Ohio  
Doctor of Medicine (MD)

2001-2004            Case Western Reserve University  
Cleveland, Ohio  
Combined MD/MS Program  
Master of Science (MS), Applied Anatomy

**POSTDOCTORAL TRAINING:**

2004-2006            Wayne State University  
Detroit, Michigan  
Surgical Internship/Residency

2006-2009            Rush University Medical Center  
Chicago, Illinois  
Orthopaedic Surgery Residency

2009-2010                      University of Pittsburgh Medical Center  
Pittsburgh, Pennsylvania  
Orthopaedic Spine Surgery Fellowship

**PROFESSIONAL LICENSURE:**

State of Texas	Q4309 (active)
State of North Carolina	#2010-00477 (active)
State of Pennsylvania	MD436707 (expired)

**SPECIALTY CERTIFICATION:**

2012, expires 2022      American Board of Orthopaedic Surgery  
Board Certified

**PROFESSIONAL MEMBERSHIPS AND SERVICE:**

2019-current	Baylor Medical Center at Uptown. Block Time Committee Member. Appointed.
2018-current	Baylor Scott and White at Uptown. Patient Safety Advocate. Appointed.
2017-Current	Baylor Medical Center of Frisco, Member Medical Executive Committee, Member. Secretary (2018-2019). Elected.
2017-Current	Heath Texas Physician Network Compliance committee member. Appointed.
2017-Current	Baylor Medical Center at Uptown Spine center of excellence committee. Appointed.
2016-Current	Texas Medical Association (#1310078)
2016-Current	Dallas County Medical Society
2014-Current	Fellow of the American Academy of Orthopaedic Surgeons
2009-Current	AAOS, member
2008-Current	National Association of Spine Surgeons
2009-Current	AO Spine of North America Member
2009-2010	Interactive Educational Program (IEP) Fellow Review Committee Member
2012-2015	North Carolina Orthopaedic Association
2012-2015	Southern Orthopaedic Association
2010-2015	Wake Forest University School of Medicine Orthopedic Interest Group Faculty Liaison
1999-Current	Tau Beta Pi – National Engineering Honor Society
1999-Current	Alpha Eta Mu – Biomedical Engineering Honor Society

**HONORS AND AWARDS:**

2001	Crile Research Fellowship
2001	International Functional Electrical Stimulation Society Conference Scholarship
2003	American Association for the Surgery of Trauma Trauma Medical Student Scholarship
2013	Mentor-Student Silver, Division of Surgical Sciences Twenty-First Residents' and Fellows' Clinical Science Award

#### **INVITED PRESENTATIONS:**

1. A Comparison of Fusion Rates with Fresh-Frozen or freeze-Dried Allograft in Anterior Cervical Discectomy and Fusion Podium presentation by co-author AAOS 2009. CSRS web abstract 2009.
2. The effect of proximal fixation on the development of functional kyphosis in neuromuscular scoliosis following segmental posterior spinal instrumentation and fusion Podium presentation NASS Nov 2009. Web presentation IMAST 2009.
3. Case Presentation: High Grade Lumbar Spondylolisthesis Interactive Education Program (IEP) Web Presentation. June 2010.
4. Type II Odontoid Fractures: Predictive Factors for Operative versus Non-Operative Treatments. Podium Presentation CSRS. December 5, 2014.

#### **EDUCATION PRESENTATIONS:**

1. Forearm Fractures: Department of Orthopaedic Grand Rounds Wayne State University, March 8, 2006.
2. Proliferative Synovitis of the Knee. Department of Orthopaedic Grand Rounds Rush University Medical Center, October 4, 2006.
3. Autologous Chondrocyte Implantation. Department of Orthopaedic Grand Rounds Rush University Medical Center, January 7, 2007.
4. Adult Deformity: Correction of Thoracolumbar Kyphosis, Department of Orthopaedic Grand Rounds Rush University Medical Center, November 14, 2007.
5. Corrective Osteotomy in Tibial Deformity with TSF, Department of Orthopaedic Grand Rounds Rush University Medical Center, June 13, 2007.
6. Total Ankle Arthroplasty, Department of Orthopaedic Grand Rounds Rush University Medical Center, February 13, 2008.

7. Knee Arthroplasty Following Tibial Plateau Fracture, Department of Orthopaedic Grand Rounds Rush University Medical Center, September 3, 2008.
8. Conversion of Hip Fusion to Total Hip Arthroplasty, Department of Orthopaedic Grand Rounds Rush University Medical Center, December 10, 2008.
9. Metastatic Epidural Spinal Cord Compression: Department of Orthopaedic Grand Rounds Rush University Medical Center, March 18, 2009.
10. Odontoid Fractures: Department of Spine Surgery Conference Rush University Medical Center, April 10, 2009.
11. Form and Function of Spinal Cord and Peripheral Nerves: Grand Rounds University of Pittsburgh Medical Center, November 18, 2009.
12. Cervical Spondylosis: Grand Rounds University of Pittsburgh Medical Center, May 26, 2010.
13. Anatomy Session, CORE Conference, Wake Forest University, Winston Salem, NC July 19, 2011
14. Disk Replacement and Motion Preservation, CORE Conference, Wake Forest University, Winston Salem, NC, July 27, 2011
15. Cervical Spine – Physical Exam and Imaging, CORE Conference, Wake Forest University, Winston Salem, NC, August 30, 2011
16. C-Spine Trauma / Occiput to C-2, CORE Conference, Wake Forest University, Winston Salem, NC, November 1, 2011
17. C-Spine Trauma (C3-C7), CORE Conference, Wake Forest University, Winston Salem, NC, November 22, 2011
18. Evaluation and Management of Cervical Radiculopathy and Myelopathy, CORE Conference, Wake Forest University, Winston Salem, NC, March 6, 2012
19. Anatomy Session, CORE Conference, Wake Forest University, Winston Salem, NC July 10, 2012
20. Spine Infections, CORE Conference, Wake Forest University, Winston Salem, NC September 11, 2012
21. Spine Sawbones Course, Wake Forest University, Winston Salem, NC, September 24, 2012

22. Basic Science – Spinal Cord Injury. CORE Conference, Wake Forest University, Winston Salem, NC December 4, 2012
23. Cervical Spine Pathology, Wake Forest University, Winston Salem, NC June 1, 2013
24. Spine Basic Skills Course for Residents, Wake Forest University, Winston Salem, NC, July 2, 2013
25. Introductions to Orthopaedics and Spine Surgery, Wake Forest University School of Medicine, Winston Salem, NC September 16, 2014
26. Type II Odontoid Fractures: Predictive Factors for Operative versus Non-operative Treatment. Cervical Spine Research Society, Orlando, FL December 4-7, 2014
27. Spine Infections. Baylor University Medical Center of Dallas. April 17, 2017.
28. Metastatic Spine Tumors. Baylor University Medical Center of Dallas. April 17, 2017.
29. Spine Infections. Baylor University Medical Center of Dallas. April 11, 2019.
30. Primary Spine Tumors. Baylor University Medical Center of Dallas. April 11, 2019.
31. Spine OITE Review. Baylor University Medical Center of Dallas. Microsoft Teams. July 18, 2020. (7-8 residents).

**PUBLIC OUTREACH TALKS:**

1. Sciatica: Lumbar Radiculopathy Best Health. WFUMC. January 26, 2011
2. Sciatica: Lumbar Radiculopathy Best Health. WFUMC. October 24, 2011
3. Sciatica: Lumbar Radiculopathy Best Health. WFUMC. January 26, 2012
4. Sciatica: Lumbar Radiculopathy. Ortho Spine Health. BUMC. May 3, 2016.
5. Low back pain and Sciatica. Southwest Airlines & Baylor Ortho Event. May 4, 2017
6. Relief for Neck and Back Pain. Baylor Jack and Jane Hamilton Heart and Vascular Hospital, Cree Auditorium. May 24, 2018.
7. Orthopedic Aches and Pain Seminar. Baylor McKinney. Feb 2, 2019.
8. Move towards relief from back and neck pain. Baylor McKinney. May 14, 2019.

**GRANT HISTORY:**

2020 OREF Grant. (\$4,500).

PI: James Rizkalla, MD

Co-PI: Ishaq Syed, MD

Baylor Health Care System Foundation

*Effect of Lumbar Erector Spinae Plane Blocks on Post-op Opioid Consumption*

GTS# (Syed I, CoI (1-2% effort year 1) 5/1/14-4/30/2019  
Virginia Polytechnic Institute and State University (\$838,843)  
Sub-award from Army Research Lab (Department of Defense)  
The Impact and Injury Response of Male and Female PMHS, Hybrid III Fiftieth and Fifth  
Percentile ATDs, and WIAMan under Blast-Induced Accelerative Loading.

GTS #41087 (O’Gara TJ, PI, .5% effort) 1/1/14-12/31/14  
Foundation for Physical Medicine and Rehabilitation \$10,000.00  
Continuous Monitoring of Pelvic Tilt and its Correlation to Adolescent Scoliosis

GTS # (Syed, Ishaq, PI) 7-01-11 / 6-30-12  
Synthes Spine \$15,000.00  
Educational Grant to support spine journal clubs.  
Role: Principal investigator

GTS # (Syed, Ishaq, PI) 7-01-11 / 6-30-12  
DePuy Educational Grant to support Spine Journal Clubs \$1,000.00

**FACULTY DEVELOPMENT:**

Professional in the 21st century. Vimeo. Bumc. July 14, 2020  
.5FD

Building excellence and character in surgeons. Vimeo. Bumc. May 30, 2020.  
.5FD.

Designing and Presenting a dynamic Lecture. Vimeo. Bumc March 21, 2020. 1.5 FD.

Teaching in the ambulatory clinic. Vimeo Bumc. December 21, 2019. 1.0 FD

Teaching and assessing in the OR. Vimeo. Bumc. August 3, 2019. 1.0 FD.

Teaching with questions. Vimeo. Bumc. March 9, 2019. .5 FD.

**PUBLICATIONS:**

**Peer-Reviewed Journal Articles:**

1. **Syed IY**, Davis BL. Obesity and osteoarthritis of the knee: hypotheses concerning the relationship between ground reaction and quadriceps fatigue in long duration walking. *Med Hypotheses* 2000;54(20):182-185.
2. Gustafson KJ, Neville J, **Syed IY**, Davis JA, Pinault GCJ, Jean-Claude J, Triolo RJ. Fascicular anatomy of the human femoral nerve: implications for standing neural prostheses utilizing nerve cuff electrodes. *J Rehabil Res Dev.* 2009;46(7):973-84
3. Dumonski, ML, **Syed IS**, Cahill PJ, Shahkarami A, An HS, Goldberg EJ, Phillips, FM. A Comparison of Fusion Rates with Fresh-Frozen or Freeze-Dried Allograft in Anterior Cervical Discectomy and Fusion American Academic of Orthopaedic Surgery, Annual Meeting, Las Vegas, podium presentation, 2009.
4. **Syed IY**, Brasher A, Hammerberg K, Sturm P. The effect of proximal fixation on the development of functional kyphosis in neuromuscular scoliosis following segmental posterior spinal instrumentation and fusion. *The Spine Journal* 9(2009) IS-205S.
5. Woods BI, Hohl JB, Hartman R, Braly B, **Syed IY**, Lee JY. Mortality in Elderly Patients following Operative and Non-operative Management of Odontoid Fractures. Podium Presentation AAOS 2010.
6. Liu A, Sun D, Rodriguez A, Birkedal JP, **Syed IY**, Hsu W. The Effect of Vancomycin Powder Usage on Early Post-operative Infection Rates in Adult Lumbar Fusion. Accepted for poster presentation at the 82nd AANS Annual Scientific Meeting, 2014 Apr 4-9. [Poster]
7. Walters J, Birkedal J, **Syed IY**. Type II Odontoid Fractures: Predictive Factors for Operative versus Non-operative Treatment. Podium Presentation + Abstract, Cervical Spine Research Society, 2014.
8. Ross CL, **Syed I**, Smith TL, Harrison BS. The regenerative effects of electromagnetic field on spinal cord injury. *Electromagn Biol Med.* 2017;36(1):74-87.
9. Rizkalla JM, Holderread B, **Syed IY**. Brucella Spondylodiscitis: A case report and review of the literature. *BUMC Proceedings.* March 2020.
10. Rizkalla JM, Dauglas S, Nimmons SJB, **Syed IY**. "Superior Sulcus Tumor Disguised as Cervical Radiculopathy with Metastasis to Brachial Plexus: A Case Report." *BUMC Proceedings.* 2019 Aug 20;32(4):582-583.
11. Rizkalla JM, Melton C, Sanders A, Dauglas S, **Syed IY**. Preoperative Narcotic Utilization and its Association with Post-Operative Narcotic Use in elective Anterior Cervical Discectomy and Fusion: A Retrospective Comparative Analysis. (submitted, *World Journal of Orthopedics*)
12. Rizkalla JM, Melton C, Sanders A, Dauglas S, **Syed IY**. Preoperative Narcotic Utilization and its Association with Post-Operative Narcotic Use in elective Posterior Cervical Decompression and Fusion: A Retrospective Comparative Analysis. (pending acceptance)
13. Rizkalla JM, Melton C, Sanders A, Dauglas S, **Syed IY**. Preoperative Narcotic Utilization and its Association with Post-Operative Narcotic Use in traumatic versus elective cervical surgery: A Retrospective Comparative Analysis. (pending acceptance)

14. Nimmons S, Rizkalla J, Solis J, **Syed IY**. Design and Retrospective Application of a Spine Trauma DVT Prophylaxis Protocol on Level 1 Trauma Center Patient Database. (submitted Global Spine Journal)
15. Rizkalla, James; Holderread, Brendan; Hotchkiss, William; Clavenna, Andrew; Dossett, Andrew; **Syed, IY**. Instagram and Spine Fusion: An Analysis of Social Media and its Relationship to Patient Perception of Surgery. (submitted Global Spine Journal).
16. Rizkalla JM, Holderread B, Jonathon L, Mollabashy A, **Syed IY**. Giant Cell Tumor of the Sacrum. BUMC Proceedings. (accepted, pending publication).
17. Rizkalla JM, Hotchkiss W, Clavenna A, Dossett A, **Syed IY**. Triaging Spine Surgery and treating during Covid-19 Pandemic. Journal of Orthopaedics. May 2020 (accepted).

#### **ABSTRACTS:**

1. Rohlfing M, **Syed IY**. Effect of diabetic status and glycemic control as a risk factor in predicting complications following elective spinal surgery. 2013 Medical Student Summer Research Training Program. (Funding: NIH Shorter-term training grant, 5T35 DK007400-34).

#### **BOOK CHAPTERS**

1. **Syed IY**, Virkus WW. Tricks for nailing proximal and distal tibial fractures. In: Curbside Consultation in Fracture Management. ISBN: 978-1-55642-829-6, SLACK Incorporated, 2008.
2. **Syed IY**, An HS: Cervical Myelopathy: Meaning of Magnetic Resonance Signal Changes. Vaccaro AR, Eck JC. Controversies in Spine Surgery: Best Evidence Recommendation. Thieme, New York, pp117-125, 2010.
3. **Syed IY**, Hohl JB, Kang J. Lumbar spondylolisthesis Musculoskeletal Examination of the Spine: Make the Complex Simple. Rihn JA, Harris EB. . SLACK Incorporated. ISBN: 10 1-55642-996-7. 2011. Chapter 11.
4. Hohl JB, **Syed IY**, Lee JY. Physical Examination of the cervical spine. Musculoskeletal Examination of the Spine: Make the Complex Simple. Rihn JA, Harris EB. SLACK Incorporated. ISBN: 10 1-55642-996-7. 2011. Chapter 1.
5. **Syed IY**, Ali MH, Nassr A, Lee JY. Cervical Spine Imaging in Trauma. The Cervical Spine 5<sup>th</sup> Edition: The Cervical Spine Research Society Editorial Committee, Lippincott Williams and Wilkins, 2012. P 1512-19.
6. **Syed IY**, Wu E, Nassr A, Lee JY. Management of cervical facet dislocation. Fehlings M, Vaccaro, Boakye(ed). In: Essentials of Spinal Cord Injury. Thieme. October 2012. Chapter 25: pp 308-319.
7. **Syed IY**, Woods BI, Lee JY. Lumbar arthroplasty. In: Handbook of Spine Surgery. Baaj AA. Thieme. 2012. Chapter 60.



8. **Syed IY**, Woods BI, Lee JY. Spinal imaging. In: Handbook of Spine Surgery. Baaj AA. Thieme. 2012. Chapter 8.
9. Braly B, Chen AF, **Syed IY**, Lee JY. Cervical Whiplash. In: Decision Making in Spinal Care, Second Edition. Anderson GD, Vaccaro AR. Thieme. September 2012. Chapter 23. Pp165-170.
10. Leckie S, **Syed IY**, Lee JY. Posterior C1-C2 Fusion Techniques: Harms Technique and Magerl Technique. Operative Techniques: Spine Surgery, 2nd Edition. Vaccaro and Baron (Ed). Saunders Elsevier, May 2012. Chapter 11. Pp 77-100
11. Braly BA, **Syed IY**, Woods BI, Lee JY. Lumbosacral Injuries: Diagnosis and Treatment. In: Lumbo-Sacral and Pelvic Procedures. Kim DH, Vaccaro AR, Whang PG, Sang DK, Se-Hoon K (ed). CRC Press. Dec 20, 2013. Chapter 8. Pp 117-157.