**Curriculum Vitae**

**Beejal Y. Amin, M.D.**

**Current Position:** Advocate Medical Group, Neurosurgery

 Advocate Christ Medical Center

 Oak Lawn, IL

ClinicalAssistant Professor

 Department of Neurological Surgery

 Rush University Medical Center

**Office Address:** Advocate Christ Medical Center

 4400 West 95th Street

 Suite 407

 Oak Lawn, IL 60453

**EDUCATION**

1995-1999 Loyola University BA (Economics)

 Chicago, IL

2000-2004 Rush Medical College MD

 Chicago, IL

**CLINICAL TRAINING AND EXPERIENCE**

2004-2005 Department of General Surgery Internship

 Henry Ford Hospital

 Detroit, MI

2005-2011 Department of Neurosurgery Residency

Henry Ford Hospital

Detroit, MI

2011-2012 Department of Neurosurgery Clinical Fellowship

 UCSF Medical Center Complex Spine Surgery

 San Francisco, CA

**PREVIOUS NEUROSURGERY POSITION**

2011-2016 Loyola University Medical Center

 Assistant Professor

 Department of Neurological Surgery

 Medical Director of Quality and Safety, Neuroscience Service Line

2016-2020 Director, Spine Institute

 Presence Neuroscience Institute

 Presence St Joseph’s Medical Center

 Joliet, IL

**PROFESSIONAL EXPERIENCE**

1999-2000 Citadel Investment Group, LLC Hedge Fund Analyst

 Chicago, IL Global Equities

1999 Morningstar, Inc Internship

 Chicago, IL

**KEYWORDS/AREAS OF INTEREST**

Minimally invasive spine surgery, Cervical spine surgery, Spinal tumors, Degenerative spine disease, Adult Spinal Deformity, Scoliosis, Spinal trauma, Peripheral nerve surgery, General Neurosurgery

**LICENSES, CERTIFICATION**

2016 ABNS Board Certified

Active State licenses in Illinois, Michigan, California, and North Dakota

**PROFESSIONAL ORGANIZATIONS**

2004 – present American Association of Neurological Surgeons

2004 – present Congress of Neurological Surgeons

2007 – present AANS/CNS Joint Section on Spine and Peripheral Nerve Disorders

2009 – present American Association of South Asian Neurosurgeons

2001 – present American Medical Association

**SKILLS/LANGUAGES**

Gujarati and Spanish

**LEADERSHIP ACTIVITIES**

Quality Improvement Committee, Advocate Christ Medical Center May 2020 - current

Medical Director, Presence Spine Institute May 2016 – March 2020

Quality Medical Director, Neurosciences Loyola Jan 2015 – April 2016

Medical Director – Neurosurgery Inpatient Loyola Jan 2014 – April 2016

Trinity Health Spine Initiative Co-lead 2013 – April 2016

Surgical Site Infection Process Improvement Committee Member Jan 2014 – April 2016

Green Belt Project: First Case Starts Team Member Jan 2014 – April 2016

Operational Excellence (OpEx) – Process Champion for Neurosurgery

American Association of South Asian Neurosurgeons (AASAN) Treasurer 2012 - present

American Medical Association - Medical Student Section (AMA-MSS) Vice-President Rush Medical College Chapter

Rush Medical College – Curriculum Committee: medical class representative

**PROFESSIONAL ORGANIZATIONS**

2012-present Congress of Neurological Surgeons

2012-present American Association of Neurological Surgeons

2012-present AANS/CNS Joint Section on Spine and Peripheral Nerve

**Service to Professional Organizations**

2017-current AANS/CNS Joint Section Spine Executive Committee Member

2017-2018 AANS MOC/CME Committee Member

2015-present American College of Radiology: Panel on Appropriateness Criteria – MSK Imaging 2

2013-present Joint Section on Spine and Peripheral Nerve Scientific Program Committee

2013-present CNS Neurosurgery Watch Spine Committee

2015-present AANS/CNS representative on ACR Appropriateness Criteria Expert Panel

**PEER REVIEWED PUBLICATIONS**

1. Millikan KW, Baptista M, **Amin B**, Deziel DJ, Doolas A. “Intraperitoneal Underlay Ventral Hernia Repair Utilizing Bilayer Expanded Polytetrafluroethylene and Polypropylene Mesh.” *American Surgeon.* 69:287-92, 2003

2. Kole M, **Amin B**, Marin H, Russman A, Sanders W. “Intracranial Angioplasty and occlusions.” *Neurosurgical Focus*. 2009 Mar; (26)3:E3

3. **Amin B**, Mummaneni PV. “Editorial: Neuromonitoring in Cervical Spine Surgery.” *J Neurosurg Spine*. 2012 Feb; 16(2): 105-6.

4. **Amin B**, Mummaneni PV. “Editorial: Vertebral Body Split Fracture in Case of Cervical Total Disc Arthroplasty.” *J Neurosurg Spine*. 2012 Mar; 16(3): 229.

5. Rowland NC, Gandhoke G, Wu JC, **Amin B**, Mummaneni PV. “Use of Interbody Fusion Devices for Treatment of Lumbar Degenerative Disease.” *Contemporary Neurosurgery*. 2012 June; 34(11)

6. Mummaneni PV, **Amin B**, Wu JC, Brodt ED, Dettori JR, Sasso RC. “Cervical artificial disc replacement versus fusion in the cervical spine: a systematic review comparing long- term follow up results from two FDA trials.” *Evidence Based Spine Care Journal*. 2012 Feb; 3(S1): 59-66

7. **Amin B**, Tu TH, Schairer WW, Na L,Takemoto S, et al. “Pitfalls of Calculating Hospital Readmission Rates Based Solely on Nonvalidated Administrative Datasets.” *J Neurosurg Spine*. 2013 Feb; 18(2): 134-8.

8. Tu TH, **Amin B**, Silva FE, Mummaneni PV. “Minimally Invasive Treatment of Adult Spinal Deformity.” *SRS E-text*. 2012

9. Tarapore P, Modera P, Naujokas A, Oh M, **Amin B**, et al. “Pathology of Spinal Ependymomas: An Institutional Experience Over 25 Years in 134 Patients.” *Neurosurgery.* 2013 Aug; 73(2): 247-55.

10. Tabaree, E, Mummaneni PV, Abdul-jabbar A, Shearer D, **Amin B**, et al. “A Comparison of Implants Used in Open-Door Laminoplasty.” *J Neurosurg Spine*. 2013. In submission SPINE13-408

11. **Amin B**, Tu T, Mummaneni P. “Mini-open Transforaminal Lumbar Interbody Fusion.” Neurosurg Focus. 2013 Jul; 35(2 Suppl):V2. DOI: 10.3171/2013.V2.FOCUS13187

12. **Amin B**, Ibrahim T, Zouzias A, Mummaneni P, Uribe J. “Four-level minimally invasive lateral interbody fusion for treatment of degenerative scoliosis.” Neurosurg Focus. 2013 Jul; 35(2 Suppl):V10. DOI: 10.371/2013.V2.FOCUS13198

13. Johans SJ, **Amin BY**, Mummaneni PV. Minimally Invasive Lumbar Decompression for Lumbar Stenosis: Review of Clinical Outcomes and Cost Effectiveness. J Neurosurg Sci. 2015 Mar;59(1):37-45. PMID 25370820

**BOOK CHAPTERS**

1. **Amin B**, Abdulhak M: Lateral Extracavitary Approach. IN: Spine Handbook of Neurosurgery. Pp. 291-295. 2011

Editors: Baaj, Mummaneni, Uribe, Vacarro, Greenberg

2. **Amin B**, Ryu S, Rock J: Posterior Fossa Meningiomas. IN: Operative Neurosurgical Techniques. 6th edition. 2012

 Editors: Schmidek HH, Roberts DW

3. **Amin B**, Mummaneni PV: Mini-open Transforaminal Lumbar Interbody Fusion: Tips and Pearls. IN: AO Spine Book. 2012

 Editor: Hartl R

4. **Amin B**, Ackerman P, Wadhwa R, Mummaneni P: Cervical Disc Replacement. IN:

 Spine Surgery. 2013

 Editor: Vaccaro A

5. **Amin B**, Ibrahim T, Wadhwa R, Mummaneni P: Is an Interbody Fusion Always Necessary. IN: Adult Degenerative Scoliosis. 2014

6. Ibrahim T, Nockels R, **Amin B**: Back, Neck, and Limb Pain. IN: The Hospital Neurology Book. 2016

 Editor: Salardini A, Biller J

**PRESENTATIONS AT MEETINGS/CONFERENCES/COURSES**

Lateral Approaches to the Lumbar Spine: Pearls, Technique and Complications

 **Amin B**

 Oral Presentation

 AANS Breakfast Seminary

 Chicago, IL (05/2016)

Treatment of Cervical Spondylotic Myelopathy

 **Amin B**

 Invited Speaker

 Association of Neurosurgical Physician Assistants Annual Meeting

 Boston, MA (10/2014)

Posterior Approaches for MIS Deformity Surgery

 **Amin B**

 Oral Presentation

 AANS/CNS Joint Section on Peripheral Nerve and Spinal Disorders Annual Meeting

 Orlando, FL (03/2014)

Differential Diagnoses of Lumbar Injuries

 **Amin B**

 1st Annual Athletico Educational Symposium

 Oak Brook, IL (03/2014)

Administrative Databases Overestimate Hospital Readmission Rate Following Spinal Deformity Correction Surgery

**Amin B**, Ackerman P, Ames C, Berven S, Chou D, Deviren V, Mummaneni P

Scoliosis Research Society Annual Meeting

Lyon, France (09/2013)

Radiographic and Clinical Evaluation of Scoliosis and Sagittal Balance

**Amin B**

Skin-to-Skin Series: Sagittal Balance and Corrective Osteotomy Techniques

Chicago, IL (06/2013)

Improving benchmarking in spine surgery: Readmissions in Spine Surgery

 **Amin B**

 Platform presentation

 Trinity Health Spine Physician Collaborative Face to Face Meeting

 Detroit, MI (12/2012)

 Low Back Pain: Causes, Conservative Treatments and Surgical Interventions

 **Amin B**

 Internal Medicine Grand Rounds

 Loyola University Medical Center

 Chicago, IL (10/2012)

Improving benchmarking in spine surgery: Suggested modifications of the UHC algorithm for calculating readmission rates following spine surgery

 **Amin B**, Tu T, Schairer W, Takemoto S, Ames C, Deviren V, Chou D, Berven B, Mummaneni P

 Platform presentation

 Congress of Neurological Surgeons Annual Meeting

 Chicago, IL (10/2012)

 Minimally Invasive Surgery for Lumbar Degenerative Deformity - MiSLAT Algorithm

 Mummaneni P, Silva, Lenke L, **Amin B**, Tu T

 Platform presentation

 Society for Minimally Invasive Spine Surgery Annual Meeting

 Miami, FL (9/2012)

 Pitfalls of Calculating Hospital Readmission Rates Based on All-cause Readmissions

 **Amin B**, Modhia U, Takemoto S, Ames C, Deviren V, Berven S, Mummaneni P

 Platform presentation

 Lumbar Spine Research Society Annual Meeting

 Chicago, IL (4/2012)

 Pitfalls of Calculating Hospital Readmission Rates Based Solely on Nonvalidated Administrative Datasets.

 **Amin B**, Modhia U, Marua K, Na L, Takemoto S, Berven S, Mummaneni P

 Platform presentation

 American Association of Neurological Surgeons Annual Meeting

 Miami, FL (4/2012)

 Pitfalls of Calculating Hospital Readmission Rates Based Solely on Nonvalidated Administrative Datasets.

 **Amin B**, Modhia U, Marua K, Na L, Takemoto S, Berven S, Mummaneni P

 Platform presentation

 AANS/CNS Joint Section on Peripheral Nerve and Spinal Disorders Annual Meeting

 Orlando, FL (3/2012)

 Spinal Ependymomas: An Institutional Experience Over 25 Years in 134 Patients

 **Amin B**, Tarapore PE, Modera P, Noujokas A, Ames CP, Chou D, Mummaneni PV, Weinstein PR, Tihan T

 Platform presentation

 AANS/CNS Joint Section Spine Annual Meeting

 Orlando, FL (3/2012)

 Sacral Fixation: Techniques, Pros and Cons

 Mummaneni P, **Amin B**

 Platform presentation

 Lumbar Degenerative Stenosis and Deformity Course

 New York, NY (12/2011)

 Comparison of Open vs. MIS TLIF for Degenerative Deformity

 Mummaneni P, **Amin B**

 Platform presentation

 Lumbar Degenerative Stenosis and Deformity Course

 New York, NY (12/2011)

 The Surgical Treatment of Back Pain

 Mummanei P, **Amin B**

 Platform presentation

 UCSF Anesthesiology Grand Rounds

 San Francisco, CA (11/2011)

 Sacropelvic Fixation: Techniques and Complications

 **Amin B**, Mummaneni P

Platform presentation

AANS Fundamentals in Spine Surgery Residents’ Course

Chicago, IL (11/2011)

 Management Strategies of Vertebral Artery Injury

 **Amin B**, Mummaneni PV

 Platform Presentation (PC-25 My Worst Spinal Complication: What I Learned)

 Congress of Neurological Surgeons Annual Meeting

 Washington DC (9/2011)

 Posterior Cervical Foraminotomy: Indications and Technique

 **Amin B**, Mummaneni PV

 Platform Presentation

 Cervical Spine Surgery LIVE

 St. Louis, MO (9/2011)

 Bridging the Cervicothoracic Junction: Deformity, Tumor, and Trauma

 **Amin B**, Mummaneni PV

 Platform Presentation

 ONE Spine Fellows’ Course

 Seattle, WA (8/2011)

 Cervicothoracic Junction Fixation: Indications and Techniques

 **Amin B**, Mummaneni PV

 Platform Presentation

 UCSF Practical Course in Advanced Spinal Techniques

 Las Vegas, NV (8/2011)

 Adult Spinal Deformity: When is smaller, less invasive surgery acceptable?

 **Amin B**, Mummaneni PV

 Platform Presentation

 Neurosurgery in Wine Country

 Platform Presentation

 Napa, CA (8/2011)

 Treatment of Cervical Myelopathy

 **Amin B**, Mummaneni PV

 Platform Presentation

 18th International Meeting on Advanced Spine Techniques (IMAST)

 Copenhagen, Denmark (7/2011)

 Circumferential Decompression and Fusion: 56 patients with three year follow up.

 **Amin B**, Morris S, Shamim S, Nerenz D, Abdulhak M

 Poster Presentation

 Congress of Neurological Surgeons Annual Meeting

 San Francisco, CA (10/2010)

 Effect of Vagus Nerve Stimulation on Juvenile Myoclonic Epilepsy

 **Amin B**, Elisevich K, Honsowietz J, Burdette D

 Poster Presentation

 Congress of Neurological Surgeons Annual Meeting

 San Francisco, CA (10/2010)

 Idiopathic Spinal Cord Herniation: Delays in Accurate Diagnosis

 **Amin B**, Jain R, Torabi R, Chedid M, Abdulhak M

 Poster Presentation

 American Association of Neurological Surgeons Annual Meeting

 San Diego, CA (5/2009)

 Does the number of passes needed to pass a bedside external ventricular drain matter?

 Phillips S, **Amin B**, Casas C, Krishnamurthy S

 Poster Presentation

 American Association of Neurological Surgeons Annual Meeting

 San Diego, CA (5/2009)

 Comparison of Percutaneous and Open Lumbar Surgical Techniques with 2-yr Follow-up

 **Amin B**, Torabi R, Marzouk S, Nerenz D, Abdulhak M

 Poster Presentation

 AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves Meeting

 Phoenix, AZ (2/2009)

 Instrumented One-Level Lumbar Interbody Fusion Using an Expandable Cage and Device: A Novel Technique

 **Amin B**, Torabi R, Phillips S, Chedid M

 Poster Presentation

 AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves Meeting

 Phoenix, AZ (2/2009)

 Endovascular coiling versus neurosurgical clipping of ruptured anterior circulation aneurysms

 **Amin B**, Shukairy M, Kole M

 Poster Presentation

 American Association of Neurological Surgeons Annual Meeting

 Chicago, IL (4/2008)

 Does race matter in predicting aneurysm rupture?

 Krishnamurthy S, **Amin B**, Schulz L, Nerenz D, Malik G

 Poster Presentation

 American Association of Neurological Surgeons Annual Meeting

 Chicago, IL (4/2008)

 Intracranial angioplasty and stenting for direct cerebral revascularization of non-acute intracranial occlusions and near-occlusions: A case series and review

 **Amin B**, Kole M

 Poster Presentation

 Congress of Neurological Surgeons Annual Meeting

 Orlando, FL (9/2008)

**COURSE FACULTY**

AANS Fundamentals in Spine Surgery Course for Residents

 Houston, TX

 October 2015

 AANS Fundamentals in Spine Surgery Course for Residents

 Houston, TX

 October 2014

Depuy Educational Symposium: Principles of Minimally Invasive Spine Surgery

 Milwaukee, WI

 February 2014

AANS Fundamentals in Spinal Surgery Course for Residents

Houston, TX

November 2013

Skin-to-Skin Series: Sagittal Balance and Corrective Osteotomy Techniques

Chicago, IL

June 2013

AANS Minimally Invasive Lateral Interbody Fusion Course for Residents

Chicago, IL

June 2012

AANS Fundamentals in Spinal Surgery Course for Residents

Chicago, IL

November 2012

**COMMUNITY SERVICE**

BAPS Medical Services –help organize and assist in annual health fairs

ChildServ Agency – tutored inner-city Chicago children in science, mathematics, and grammar

**ACADEMIC HONORS AND AWARDS**

2015 Award for Outstanding Community Service in Medicine awarded by Circuit Court of Cook County

2014 Achievement Award presented by Vishwa Gujurati Samaj USA

2008 Henry Ford Neurosurgery Resident Challenge champion

1995-1999 Dean’s List, Loyola University

1999 Magna Cum Laude, Loyola University

1995-1999 Damen Scholarship, Loyola University

1998 Certificate of Appreciation awarded by Illinois Department of Commerce and Community Affairs