

ANIMESH AGARWAL, M.D.

CURRICULUM VITAE

EDUCATION

MD	UTHSCSA Medical School San Antonio, TX	1992
BS	Johns Hopkins University G.W.C. Whiting School of Engineering Baltimore, MD	1988

POST GRADUATE SPECIALIZED TRAINING

Fellow, Orthopaedic Trauma Grand Medical Center Columbus, OH	1997-1998
Resident, Orthopaedic Surgery University Hospital UTHSCSA Department of Orthopaedics San Antonio, TX	1993-1997
Intern, Surgical Rotating University Hospital UTHSCSA Department of Orthopaedics San Antonio, TX	1992-1993

PROFESSIONAL EXPERIENCE

Consultant, Independent Subcontractor Biodynamic Research Corporation San Antonio, Texas	2014-Present
Director of Orthopaedic Trauma University Hospital	2014-Present
Clinic Director UHS Adult Trauma Clinic	2014-Present
Division Chief Division of Orthopaedic Trauma	2002-2012

Director of Orthopaedic Trauma 2000-2012
University Hospital

Team Physician 1998-1999
UTSA Sports

APPOINTMENTS

Division Head and Chief 2014-Present
Division of Orthopaedic Trauma
UTHSCSA, Department of Orthopaedics
San Antonio, TX

Professor of Biomedical Engineering 2011-Present
University of Texas at San Antonio
Department of Biomedical Engineering
San Antonio, TX

Professor of Orthopaedic Surgery with Tenure 2010-Present
UTHSCSA, Department of Orthopaedics
San Antonio, TX

Associate Professor of Biomedical Engineering 2003-2011
University of Texas at San Antonio
Department of Biomedical Engineering
San Antonio, TX

Division Head and Chief 2002-2012
Division of Orthopaedic Trauma
UTHSCSA, Department of Orthopaedics
San Antonio, TX

Associate Professor of Orthopaedic Surgery with Tenure 2002-2010
UTHSCSA, Department of Orthopaedics
San Antonio, TX

Assistant Professor 1998-2002
UTHSCSA, Department of Orthopaedics
San Antonio, TX

Research Faculty 1998-Present
Musculoskeletal Bioengineering Center
UTHSCSA
San Antonio, TX

Assistant Instructor UTHSCSA, Department of Orthopaedics San Antonio, TX	1997-1998
Medical Staff Kindred Hospital (Vencor) San Antonio, TX	2000-2002
Medical Staff Santa Rosa Health System San Antonio, TX	1999-2005
Medical Staff Baptist Health Care System San Antonio, TX	1999-Present
Director of Orthopaedic Trauma University Hospital San Antonio, TX	1998-2012
Medical Director of the UHS Trauma Clinic University Hospital San Antonio, TX	1998-2012
Attending Physician Audie Murphy VA Hospital San Antonio, TX	1998-2001

PEER-REVIEW APPOINTMENTS

Associate Editor Journal of Orthopaedic Trauma Reviewer	2008-Present
Journal Reviewer Journal of Orthopaedic Trauma Reviewer	2005-Present
Journal Reviewer Journal of Trauma Reviewer	2004-Present
Journal Reviewer Journal of Bone and Joint Surgery Reviewer	2001-Present

PROFESSIONAL REGISTRATIONS

ABOS Certification	2010
American Board of Orthopaedic Surgery	
Medical Licensures: Ohio	1997
Texas	1993

PROFESSIONAL AFFILIATIONS

AO Trauma	2001-Present
The Limb Lengthening and Reconstruction Society	2006-Present
American Orthopaedic Association	2006-Present
Clinical Orthopaedic Society	2006-Present
Texas Orthopaedic Association	2001-Present
Orthopaedic Trauma Association	2000-Present
Western Orthopaedic Association	1999-Present
Mid-America Orthopaedic Association	1999-Present
AO/ASIF Alumni Association	1999-Present
Orthopaedic Research Society	1999-Present
AO North America	1998-Present
Fellow American Academy of Orthopaedic Surgeons	1998-Present
Alamo Orthopaedic Society	1997-Present
Biomedical Engineering Society	1996-Present
Texas Medical Association	1993-Present
Bexar County Medical Society	1993-Present
University of Texas Medical School Alumni Association	1992-Present
Johns Hopkins University Alumni Association	1988-Present

SELECTED HONORS AND AWARDS

America's Top Doctors 2014-2015 (Castle Connolly Medical Ltd.)	12/2014
Best Doctors in America 2014	11/2014
America's Top Doctors 2013-2014 (Castle Connolly Medical Ltd.)	12/2013
Best Doctors in America 2013	11/2013
San Antonio's Best Doctors 2013	07/2013
Howard Rosen Best Table Instructor Award	01/2013
America's Top Doctors 2012-2013 (Castle Connolly Medical Ltd.)	12/2012
Best Doctors in America 2012	11/2012
US News & World Report Best Doctors 2012	07/2012
America's Top Doctors 2011-2012	12/2011
Best Doctors in America 2011	01/2011
Best Doctors in America 2010	11/2010
American Academy of Orthopaedic Surgeons Achievement Award	07/2010
America's Top Doctors 2009-2010 (Castle Connolly Medical Ltd.)	12/2009
San Antonio's Top Doctors	11/2009
Best Doctors in America 2009	10/2009
1st Place Winner - Roy Davis Paper Competition	05/1997
Alonzo J. Neufeld Award: Western Orthopaedic Association	04/1997

RESEARCH

Biomechanics of Cartilage and Bone - Studying the biomechanics of cartilage and bone.

Bone Graft/Filler Substitutes - The effectiveness of various bone graft substitutes and fillers in fracture healing.

Deformity Correction - Special interest in the treatment of deformities whether it be malunions or nonunions.

Diabetes and Effects on Musculoskeletal System - Studying the effects of DM on the musculoskeletal system in relation to cartilage development and fracture healing.

Fracture Healing - Research on ways to enhance fracture healing as well as reasons for nonunions.

Knee Dislocations - Biomechanics of knee dislocations and cruciate injuries.

Malunions and Deformity Analysis - Specialize in the evaluation and management of malunions with large referral practice.

Nonunions - Specialize in the evaluation and management of nonunions with large referral practice.

Outcomes in Orthopaedic Trauma Care - Evaluation of outcomes after surgical and non-surgical treatment of fractures with outcome measures.

Pelvic and Acetabular Fractures - Fellowship trained in the treatment of pelvic and acetabular fractures.

Periarticular Fractures - Fellowship trained in treatment of complex periarticular fractures; utilization of minimally invasive techniques.

Retrograde Femoral Nailing - Interest in the technique, biomechanical considerations, and clinical outcomes of retrograde nailing for the treatment of femoral shaft fractures.

Wound VAC Applications - The utilization of the wound VAC in soft tissue injuries associated with orthopaedic trauma.

SELECT PUBLICATIONS

Peer Reviewed Book Chapters

Kuhn K, Agarwal A. Femoral Fractures In: Lisa K. Cannada, MD Editor. Orthopaedic Knowledge Update 11. Chicago, IL: American Academy of Orthopaedic Surgeons; 2014.

Agarwal A. Open Reduction and Internal Fixation of the Distal Femur In: Sam W. Wiesel, Editor-In-Chief; Paul Tornetta III, Section Editor. Operative

Techniques in Orthopaedic Surgery. Philadelphia, PA: Wolters Kluwer/ Lippincott Williams and Wilkins; 2011.

Routt, ML, Agarwal, A. Acetabular Fractures: Definitive Treatment and Expected Outcomes In: Schmidt, A and Teague, D: Editors. Orthopaedic Knowledge Update 4: Trauma. Chicago, IL: American Academy of Orthopaedic Surgeons; 2010.

Toursarkissian, B, Agarwal, A. Pelvic and Lower Extremity Injuries In: Richard S. Irwin and James M. Rippe (Editors) Stephen Cohn (Section Editor). Irwin and Rippe's Textbook of Intensive Care Medicine 6th Edition. Wolters Kluwer/ Lippincott Williams and Wilkins; 2008.

Dissertation/Thesis

Agarwal A. Synovial Pathology: Benign and Malignant Tumors of the Synovium 1994.

Peer Reviewed Papers/Proceedings

Somerson J, Rowley D, Kennedy C, Buttacavoli F, Agarwal A. Electromagnetic Navigation Reduces Surgical Time And Radiation Exposure For Proximal Interlocking In Retrograde Femoral Nailing Journal of Orthopaedic Trauma 2014 Jul;28(7):417-421.

Agarwal A. Radiation Risk in Orthopedic Surgery: Ways to Protect Yourself and the Patient Operative Techniques in Sports Medicine 2011 Dec:1-4.

Ostrum, RF, Agarwal, A, Lakatos, RP, Poka, A. Prospective Comparison of Retrograde and Antegrade Femoral Intramedullary Nailing Journal of Orthopaedic Trauma 2000;14(7):496-501.

Schenck, Jr., RC, Kovach, IS, Agarwal, A, Brummett, R, Ward, R, Lanctot, D, Athanasiou, KA. Cruciate Injury Patterns In Knee Hyperextension: A Cadaveric Model. Arthroscopy 1999;15(5):489-495.

Wirth MA, Jensen KL, Agarwal A, Curtis RJ, Rockwood Jr. CA. Fracture dislocation of the proximal part of the humerus with retroperitoneal displacement of the humeral head. Journal of Bone and Joint Surgery 1997; 79A(5):763-766.

Athanasiou, KA, Agarwal A, Muffoletto, A, Dzida, FJ, Constantinides, G, Clem, M. Biomechanical Properties of Hip Cartilage in Experimental Animal Models. Clinical Orthopaedics and Related Research 1995; 316:254-266.

Athanasίου, KA, Agarwal A, Dzida, FJ. Comparative Study of the Intrinsic Mechanical Properties of the Human Acetabular and Femoral Head Cartilage. Journal of Orthopaedic Research 1994; 12(3):340-349.

Agarwal A. Jones' Fracture. Texas Medicine 1993;89(6):60-61.

SCIENTIFIC PRESENTATIONS (AVAILABLE UPON REQUEST)