

ANIMESH AGARWAL, M.D.

CURRICULUM VITAE AND RATES

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
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Clinic Director
UHS Adult Trauma Clinic
2014-2019

Division Chief
2002-2012; 2014-2019
Division of Orthopaedic Trauma

Director of Orthopaedic Trauma
2000-2012; 2014-2019
University Hospital

Team Physician
1998-1999
UTSA Sports

APPOINTMENTS

Orthopaedic Consultant
Sanara Med Tech
Fort Worth, TX
2022-Present

Medical Staff
2021-Present
Baptist Health Care System

1999-2017
San Antonio, TX

Orthopaedic Consultant
Bone Solutions Inc.
Colleyville, TX
2021-Present

Medical Staff
2020-Present
Mercy Health
Rockford, IL

Orthopaedic Consultant
EO2 Concepts
San Antonio, TX
2020-Present

Surgeon Advisory Board Bonesupport Wellesley, MS	2019-Present
Professor of Biomedical Engineering University of Texas at San Antonio Department of Biomedical Engineering San Antonio, TX	2011-Present
Professor of Orthopaedic Surgery with Tenure UTHSCSA, Department of Orthopaedics San Antonio, TX	2010-Present
Medical Staff SA Methodist Hospital System San Antonio, TX	1999-Present
Research Faculty Musculoskeletal Bioengineering Center UTHSCSA San Antonio, TX	1998-Present
Division Head and Chief Division of Orthopaedic Trauma UTHSCSA, Department of Orthopaedics San Antonio, TX	2014-2019
Associate Professor of Biomedical Engineering University of Texas at San Antonio Department of Biomedical Engineering San Antonio, TX	2003-2011
Division Head and Chief Division of Orthopaedic Trauma UTHSCSA, Department of Orthopaedics San Antonio, TX	2002-2012
Associate Professor of Orthopaedic Surgery with Tenure UTHSCSA, Department of Orthopaedics San Antonio, TX	2002-2010

Assistant Professor UTHSCSA, Department of Orthopaedics San Antonio, TX	1998-2002
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
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	2000
American Board of Orthopaedic Surgery	
ABOS Re-Certification	2010
American Board of Orthopaedic Surgery	
ABOS Re-Certification	2020
American Board of Orthopaedic Surgery	
Medical Licensures: Illinois	2021
Ohio	1997
Texas	1993

PROFESSIONAL AFFILIATIONS

The Limb Lengthening and Reconstruction Society	2006-Present
American Orthopaedic Association	2006-Present
Clinical Orthopaedic Society	2006-Present
AO Trauma	2001-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

San Antonio's Best Doctors 2009-2022	02/2022
Texas Super Doctors 2009-2022	12/2022
America's Top Doctors 2009-2019 (Castle Connolly Medical Ltd.)	12/2019
Best Doctors in America 2009-2019	11/2019
Howard Rosen Best Table Instructor Award	01/2013
US News & World Report Best Doctors 2012	07/2012
American Academy of Orthopaedic Surgeons Achievement Award	07/2010
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

Pariikh K, Kandemir U, Agarwal A. Ch. 28: Intertrochanteric Hip Fractures: Pearls and Pitfalls in Managing Difficult Fractures. In: Gallinat B, Navarro RA (eds) Instructional Course Lectures, Volume 72. Philadelphia, PA: Wolters Kluwer and AAOS; 2023. p. 375-388.

Agarwal A. Malunions: Introduction and Brief Overview In: Agarwal A ed. Malunions. New York, NY: Springer; 2021. p. 1-12.

Agarwal A. Malunions. New York, NY: Springer; 2021. 346 p.

Martin CW and Agarwal A. Malunions of the Proximal Femur In: Agarwal A ed. Malunions. New York, NY: Springer; 2021. p. 215-260.

Hand TL and Agarwal A. Malunions of the Distal Femur In: Agarwal A ed. Malunions. New York, NY: Springer; 2021. p. 283-312.

Agarwal A. Malunions of the Proximal Tibia and tibial Plateau In: Agarwal A ed. Malunions. New York, NY: Springer; 2021. p. 313-350.

Agarwal A. Pelvic Ring Injuries In: Tornetta III P, Ricci WM, Ostrum RF, McQueen MM, McKee MD, Court-Brown CM (eds). Rockwood and Green's Fractures in Adults. 9th Edition. Philadelphia, PA. Wolters Kluwer; 2020.

Agarwal A. Nonunions. New York, NY: Springer; 2018. 346 p.

Agarwal A. Principles of Nonunions In: Agarwal A ed. Nonunions. New York, NY: Springer; 2018. p. 1-43.

Agarwal A. Distal Femoral Nonunions In: Agarwal A ed. Nonunions. New York, NY: Springer; 2018. p. 243-274.

Agarwal A. Pelvic Ring Fractures In: Court-Brown CM, Heckman, JD, McQueen MM, Ricci, WM, Tornetta III P (eds McKee M (assoc ed). Rockwood and Green's Fractures in Adults. 8th Edition. Philadelphia, PA: Wolters Kluwer/Lippincott Williams and Wilkins; 2015.

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: Lippincott Williams and Wilkins, 2015.

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.

Roult, 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

Agarwal, A. Evolution of Negative Pressure Wound Therapy in Orthopaedic Trauma. Journal of Orthopaedic Trauma 2022;36 (Suppl 9):S1-S5.

Carlini AR, Collins SC, Staguhn ED, et al. METRC (Corporate Author) Streamlining Trauma Research Evaluation With Advanced Measurement (STREAM) Study: Implementation of the PROMIS Toolbox Within an Orthopaedic Trauma Clinical Trials Consortium. Journal of Orthopaedic Trauma 2022;36 (Suppl 1):S33-S39. doi:10.1097/BOT.0000000000002291.

O'Toole RV, Joshi M, et al. METRC (Corporate Author) Effect of Intrawound Vancomycin Powder in Operatively Treated High-risk Tibia Fractures: A Randomized Clinical Trial. JAMA Surg. 2021;156(5):e207259. doi:10.1001/jamasurg.2020.7259.

Gitajn IL, Reider L, et al. METRC (Corporate Author) Variability in Discharge Disposition Across US Trauma Centers AFTER Treatment for High-Energy Lower Extremity Injuries. Journal of Orthopaedic Trauma 2020;34:e78-e85.

Agarwal A. Management of Closed Incisions Using Negative-Pressure Wound Therapy in Orthopedic Surgery. Plastic and Reconstructive Surgery 2019;143(21S):21S-26S.

Karia RA, Agarwal A. Talus Fracture Fixation with Headless Screws From a Posterior to Anterior Direction – A Case Report. Journal of Orthopedic Trauma 2019:e1-e4.

O'Toole RV, Joshi M, Carlini AR, Murray CK, Allen LE, Scharfstein DO, Gary JL, Bosse MJ, Castillo RC, METRC (Corporate Author). Local Antibiotic Therapy to Reduce Infection After Operative Treatment of Fractures at High Risk of Infection: A Multicenter, Randomized, Controlled Trial (VANCO) Study Journal of Orthopaedic Trauma 2017 Apr;31(4):S18-S24.

Willy C, Agarwal A, Andersen CA, Santis GD, Gabriel A, Grauhan O, Guerra OM, Lipsky BA, Malas MB, Mathiesen LL, Singh DP, Reddy VS. Closed incision negative pressure therapy:

international multidisciplinary consensus recommendations. International Wound Journal 2016 May;1-14.

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.

Athanasiou, 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)

Independent Contractor Fee Schedule		
Contractor - Dr. Agarwal		
Charged to Client		Paid to Independent Contractor
Contractor Hourly Base Rate – non-testifying events	\$925	Billing rate x contractual %
Deposition or trial prep rate – Hourly Base Rate	\$925	Billing rate x contractual %
Out of town travel – Hourly Base Rate	\$925	Billing rate x contractual %
Testifying Events		
Deposition Testimony 2x Hourly Base Rate Minimum 4 hours	\$1,850/hr. \$7,400 total	Billing rate x contractual % If cancellation, IC is paid applicable percentage of any funds not refunded
Court Testimony 2x Hourly Base Rate Minimum 4 Hours	\$1,850/hr. \$7,400 total	Billing rate x contractual % If cancellation, IC is paid applicable percentage of any funds not refunded
Testimony events require 4-hour prepayment 14 days prior to event to hold date.		
Cancellations: 10 days prior to event – full refund of prepayment 7 days prior to event – 2-hour refund of prepayment Less than 7 days – prepayment is 100% nonrefundable		