

# Jonathan Scott Duncan, MD



*Your Health~Our Mission*  
**THE SAN ANTONIO  
ORTHOPAEDIC GROUP®**  
*Since 1947*

Stoneterra Medical Plaza, 150 E. Sonterra Blvd., Suite 300 • San Antonio, TX 78258

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## **EDUCATION**

### **FELLOWSHIP**

2014-2015 Mayo Clinic, Mayo School of Graduate Medical Education Rochester, Minnesota  
Orthopaedic Spine Fellowship: 8/2014-7/2015.

### **RESIDENCY**

2010-2014 Henry Ford Hospital System Detroit, Michigan  
Orthopaedic Surgery Residency  
2009-2010 Henry Ford Hospital System Detroit, Michigan  
Orthopaedic Surgery Internship

### **MEDICAL SCHOOL**

2009 University of Texas Southwestern Medical School at Dallas Dallas, Texas  
MD, Medical Doctorate

### **UNDERGRADUATE**

2005 University of Texas at Austin Austin, Texas  
BA, Bachelor of Arts, Double Major:  
Latin American Studies with Special Honors and Biology  
2003 Universidad de Guadalajara Guadalajara, Mexico  
Study Abroad - Undergraduate Foreign Exchange Student  
Clinical Internship : Health Care in Mexico Program  
Centro Universitario de Ciencias de la Salud (CUCS) & Hospital Civil

## **LICENSURES & CERTIFICATIONS**

Texas Medical License, Full Permit: Q5793	Expires 8-31-19
DEA Controlled Substance License	2014-Current
Minnesota Medical License, Full unrestricted	2014-2015
Michigan Educational Limited Medical License	2009-2014
Michigan Board of Pharmacy Controlled Substance License	2009-2014
Basic Life Support (BLS) Certification	2009-2015
Advanced Cardiac Life Support (ACLS) Certification	2009-2015
Fundamentals of Critical Care Support Provider	2009-2010

## **BOARD CERTIFICATION: BOARD CERTIFIED ORTHOPAEDIC SURGERY**

American Board of Orthopaedic Surgery (ABOS) – Part 1 Written Exam: Passed 07/2014.

American Board of Orthopaedic Surgery (ABOS) – Part 2 Oral Exam: Passed 07/2017.

Board Certified at first eligibility. Valid through 12/31/2027.

## **EXAMINATIONS:**

United States Medical Licensing Examination (USMLE): Steps 1, 2 CS, 2 CK, 3 Passed & Complete

## **PROFESSIONAL MEMBERSHIPS & SOCIETIES**

<b>Regional</b>	2015-Present	Texas Medical Association
	2015-Present	Texas Orthopaedic Association-Associate
	2015-Present	Bexar County Medical Society
	2014-Present	Mayo Fellows Association
	2009 - 2014	Detroit Academy of Orthopaedic Surgeons
	2009 - 2015	Michigan Orthopaedic Society
<b>National</b>	2009 - Present	American Academy of Orthopaedic Surgeons (AAOS)
	2005 - Present	American Medical Association (AMA)
	2012 – Present	North American Spine Society (NASS), Member
	2014 – 2015	Cervical Spine Research Society (CSRS), Associate Fellowship member
<b>International</b>	2014 – Present	AO Spine, Fellow member

## **PROFESSIONAL AND TEACHING EXPERIENCE**

### **Lectures & Presentations: National**

1. **Course Faculty** Cervical Radiculopathy: ACDF versus Laminoforaminotomy. 9<sup>th</sup> Annual Mayo Clinic Spine Center: Medical and Surgical Spine Course. Phoenix, AZ. January 16-17, 2015.
2. **Session Moderator** Cervical & Lumbar Case Presentations Session. 9<sup>th</sup> Annual Mayo Clinic Spine Center: Medical and Surgical Spine Course. Phoenix, AZ. January 17, 2015.

### **Lectures & Presentations: Local/Regional**

1. Dural Injuries: Challenges and Treatment Strategies. Mayo Clinic Joint Neurosurgery & Orthopaedic Spine Conference. January 21, 2015.
2. Sub-axial cervical trauma: Controversies in Management. Mayo Clinic Joint Neurosurgery & Orthopaedic Spine Conference. November 19, 2015.
3. Annual Spine Review. Henry Ford Hospital Orthopaedic Surgery Conference: OITE Review Series. September 2013.
4. Neurovascular disorders of the Shoulder. Henry Ford Hospital Orthopaedic Surgery Conference. April 4, 2014.
5. Emergency Spine Consultations. Henry Ford Hospital Orthopaedic Surgery Conference: Summer Trauma Series. July 7, 2013.

6. Applied Surgical Anatomy of the Elbow. Henry Ford Hospital Orthopaedic Surgery Conference: Anatomy Series. September 9, 2012.
7. Surgical Approaches to the Lower Leg and Ankle. Henry Ford Hospital Orthopaedic Surgery Conference: Anatomy Series. March 3, 2013.
8. Complications of Transforaminal Lumbar Interbody Fusions. Henry Ford Hospital Orthopaedic Surgery Conference. May 29, 2012.
9. Perioperative Venous Thromboembolic Disease in Spine Surgery. Henry Ford Hospital Orthopaedic Surgery Conference. September 9, 2011.
10. Complications of Surgical Treatment of Diabetic Ankle Fractures. Henry Ford Hospital Orthopaedic Surgery Conference. July 7, 2010.
11. Vascular Complications after Total Hip Arthroplasty. Henry Ford Hospital Orthopaedic Surgery Conference. April 28, 2010.
12. Evidence Based Medicine Approach to Low Back Pain. Family Medicine Case Presentations. UT Southwestern Family Medicine, Dallas, TX. May 22, 2008.

### **Academic Responsibilities**

2014-2015      **Administrative Chief Fellow**      Orthopaedic Spine Fellowship, Mayo Clinic, Rochester, MN.  
 Journal Club, Trauma Case Series, Didactic Lectures, Call Schedule, Fellowship Handbook

### **Quality Improvement Projects**

#### **The San Antonio Orthopaedic Group (TSAOG)**

2016 –Current      Academic Spine Case Conference and Journal Review

#### **Mayo Clinic Spine Fellowship, Rochester, MN**

2015      EMR Convergence of Neurosurgery & Orthopaedic Spine Order Sets, Orthopaedic Representative  
 2015      Updated Vitamin D Deficiency Protocol & Spine Fellowship Handbook

#### **Henry Ford Hospital Orthopaedic Surgery Residency, Detroit, MI**

2014      Video Camera & Electronic Remote Observation upgrade of Gross Anatomy Lab.  
 2013      Updated and modernized residency website: Curriculum, Rotations, Online content.  
 2013      Spine Level Localization Video: Avoiding Wrong Level Spine Surgery.  
 2012      EMR Orthopaedic templates for H&P and Consultations.

### **Medical Staff Appointments**

#### **Full Hospital Privileges – Orthopaedic Surgery / Orthopaedic Spine Surgery**

2015-Current	Baptist Health System	San Antonio, TX
2015-Current	Methodist Health System	San Antonio, TX
2015-Current	Christus Santa Rosa Health System	San Antonio, TX
2015-Current	Orthopaedic Surgery Center of San Antonio	San Antonio, TX

#### **Hospital Committee Appointments**

2016-Current	Spine Surgery Committee	North Central Baptist Hospital	San Antonio, TX
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#### **Clinical Fellow – Orthopaedic Spine Surgery**

08/2014-07/2015	St. Mary's Hospital & Methodist Hospital	Rochester, MN
<b>Credentialed Supplemental Medical Staff – Orthopaedic Surgery</b>		
01/2015-07/2015	Mayo Clinic Health System in Austin	Austin, MN
01/2015-07/2015	Mayo Clinic Health System in Albert Lea	Albert Lea, MN
01/2015-07/2015	Allina Health System Owatonna Hospital	Owatonna, MN

## **HONORS & AWARDS**

- 2016 2016 North American Spine Society (NASS) Resident & Fellow Research Award  
Aleem I, **Duncan J**, Eck J, Rhee J, Currier B, Nassr A. Do Lumbar Decompression & Fusion patients remember their pre-operative status? A Cohort Study of Recall Bias in Patient-Reported Outcomes. North American Spine Society 31<sup>st</sup> Annual Meeting.
- 2015 Top 10 Selected Posters, Invited Podium, AO Spine North America Fellows Forum, Banff, Alberta, Canada
- 2015 Honorable Mention, Good Author Project, Quality Dictation Recognition, Mayo Clinic, Rochester, MN
- 2014 Mayo Quality Fellows Program, Bronze Certification, Mayo Clinic, Rochester, MN
- 2012 Nominee, Consultant of the Year Award, Dept. of Emergency Medicine, Henry Ford Hospital, MI
- 2006 Dr. David Hemsell Medical Student Scholarship, U. Texas Southwestern Medical Center
- 2006 Women's Club Scholarship, U. Texas Southwestern Medical Center
- 2005 Dr. Bryan Williams Scholars, U. Texas Southwestern Medical Center
- 2005 College Scholar, Honors Day, U. Texas Austin
- 2005 U.S. & Mexico Borderlands Academic Research Scholarship, U. Texas Austin
- 2005 Special Honors in Latin American Studies, U. Texas Austin
- 2004 Teresa Lozano Long Academic Scholarship, U. Texas Austin
- 2003 Benjamin A. Gilman International Scholar, U.S. Department of State
- 2003 Kaplan Scholarship, Alpha Phi Sigma Honor Society, U. Texas Austin
- 2003 Certificate of Advanced Achievement, Austin Institute of Religion
- 2002 University Honors, U. Texas Austin

## **PROFESSIONAL DEVELOPMENT**

### **Course Attendance**

- 2018**
- Advanced Techniques in Less Invasive Spine Surgery Las Vegas, NV
- Nuvasive XLIF and Biologics Cadaver Lab San Antonio, TX
- 2017**
- Brainlab and Spinal Navigation Cadaver Lab Phoenix, AZ
- 2016**
- Nuvasive Foundational Anterior Lateral XLIF Course San Antonio, TX
- Medtronic Pain Therapies Onsite Training Lab Rochester, MN
- Medtronic Pain Cadaver Lab San Antonio, TX
- Cervical Arthroplasty Mobi-C Course San Antonio, TX
- 2015**
- AO Spine North America Fellows Forum Banff, Alberta, Canada

AO Spine Complex Cervical Spine Surgery and Complication Management Bioskills	Phoenix, AZ
Mayo Clinic Spine Center: Medical and Surgical Spine Course	Phoenix, AZ
Mayo Clinic Spine Center: Live Animal Dural Repair Lab	Phoenix, AZ

**2014**

Cervical Spine Research Society Annual Meeting	Orlando, FL
Cervical Spine Research Society Instructional Course	Orlando, FL
AO Spine Controversies in Complex Spine Surgery Comprehensive Bioskills Course	Long Beach, CA
Miller Review Course: Orthopaedic Surgery Board Review	Denver, CO
Michigan Orthopaedic Society, Orthopaedic Trauma Annual Educational Program	Plymouth, MI
Federation of Spine Associations, Specialty Day	New Orleans, LA
American Academy Orthopaedic Surgery Annual Meeting and Instructional Courses	New Orleans, LA

**2013**

Future Leaders: Surgical Management of Adult Spinal Deformity Course	Indianapolis, IN
Michigan Orthopaedic Society, Orthopaedic Trauma Annual Educational Program	Plymouth, MI

**2012**

North American Spine Society (NASS), 27 <sup>th</sup> Annual Meeting	Dallas, TX
NASS Instructional Course: Fundamentals of Image Guided Spine Surgery	Dallas, TX
Henry Ford Comprehensive Spine Symposium	Detroit, MI
Arthroscopy Association North America Fundamentals of Arthroscopic Surgery	Rosemont, IL

**2011**

Michigan Orthopaedic Society, Annual Meeting	Mackinac Island, MI
Texas Scottish Rite Orthotics and Prosthetics Course	Dallas, TX
Michigan Foot and Ankle Society Annual Review	Ann Arbor, MI
AO Trauma Resident Basic Fracture Course	Sun Valley, ID

**2010 & Previous**

AO Trauma Technique Conference and Bioskills Lab, 2010	Kalamazoo, MI
Fundamentals of Critical Care Support Provider Course, 2009	Detroit, MI

**EXPERIENCE & ACTIVITIES**

2010-2013	Assistant Coach	Troy Youth Soccer, Troy, MI
2009-2014	Assistant Coach	Little League Troy Baseball, Troy MI
2006-2007	President	Emergency Medicine Student Association (EMSA), UTSW Dallas, TX
2005-2006	Mentor	Health Professions Enrichment Program (HPREP), UTSW, Dallas, TX
2005-2006	Admissions Committee	Class Representative, UTSW, Dallas, TX
2005	Public Health Research Intern	Texas Dept. State Health Services (DSHS), Austin, TX
2003	Clinical Observational Intern	Health Care in Mexico, Guadalajara, Mexico
2001-2005	Pharmacy Technician	North Austin Medical Center, Austin, TX
2001-2004	Wing/Fullback/ Scrum Half	University of Texas Rugby Football Club, Austin, TX
2002-2003	Spanish Translator/ Volunteer	Austin Volunteer Clinic, Brackenridge Hospital, Austin, TX
2002-2004	Volunteer	Alpha Phi Sigma Honor Society, Austin, TX
2000-2001	Zone Leader, District Leader	The Church of Jesus Christ of Latter-Day Saints, Oakland, CA
1999-2001	Volunteer Church Missionary	The Church of Jesus Christ of Latter-Day Saints, Oakland, CA
1998-1999	Chairperson	Activities Committee, Austin LDS Institute of Religion, Austin, TX

## **RESEARCH and PUBLICATIONS**

### **RESEARCH EXPERIENCE**

1. **Public Health Research Internship.** *Staphylococcus aureus* and Methicillin-Resistant *Staphylococcus aureus* on surfaces in a University Setting. Mentors: Leanne Field, PhD; Marilyn Felkner, PhD. Texas Department of State Health Services, Austin, Texas, 2005
2. **Honors Thesis.** U.S.-Mexico border health policy and bi-national initiatives towards treatment of Multi-Drug Resistant Tuberculosis. Faculty Supervisor: David C. Warner PhD, Professor, University of Texas LBJ School of Public Affairs, Austin, Texas. 2005
3. **Research Assistant.** Impedance threshold breathing device to improve blood pressure in patients in shock. Mentor: Ahmad Idris, MD. Univ. of Texas Southwestern Medical Center, Division of Emergency Medicine, Dallas, Texas. 2006
4. **Research Assistant.** Variable CPR breathing ratios in a porcine model of cardiac arrest and hemorrhagic shock and subsequent brain perfusion. Mentors: Ahamed Idris, MD; Kathy Rinnert MD,MPH. Univ. of Texas Southwestern Medical Center, Division of Emergency Medicine, Dallas, Texas. 2006

### **PODIUM & POSTER PRESENTATIONS**

1. **Duncan J.** Honors thesis Presentation: U.S.-Mexico border health policy and bi-national initiatives towards treatment of Multi-Drug Resistant Tuberculosis. University of Texas LBJ School of Public Affairs, Advanced Topics in Public Policy Graduate Seminar: "U.S. – Mexico Border Health". Austin, Texas. 2005.
2. **Duncan J.** *Staphylococcus aureus* and Methicillin-Resistant *Staphylococcus aureus* on surfaces in a University Setting. Podium Presentation. Texas Department of State Health Services, Public Health Internship Research Forum. Austin, Texas, 2005
3. Felkner M, Bartlett K, Andrews K, Field L, Taylor J, Baldwin T, Presley J, **Duncan J**, Newsome S. *Staphylococcus aureus* and Methicillin-Resistant *Staphylococcus aureus* on surfaces in a University and a Jail Setting. International Conference on Emerging Infectious Diseases 2008: Slide sessions and Poster abstracts. 2008
4. Banka T, **Duncan J**, Khalil J, Hoegler J, Morandi M. The Lateral Percutaneous Suprapatellar Approach to Tibial Intramedullary Nailing: A Cadaver Study. Podium Presentation, Michigan Orthopaedic Society Annual Meeting. Mackinac Island, Michigan. June 2011.
5. **Duncan J**, Moutzouros V, Craig J, Van Holsbeeck M. Evaluation of Prognostic Factors in Surgical Rotator Cuff Tears: Comparison of Ultrasonography to MRI. Podium Presentation. Dr. Harold M Frost Annual Research Presentations. Henry Ford Hospital. Detroit, MI. June 2013.
6. **Duncan J**, Moutzouros V, Craig J, Van Holsbeeck M. Evaluation of Prognostic Factors in Surgical Rotator Cuff Tears: Comparison of Ultrasonography to MRI. Podium and E-Poster Presentation. Henry Ford

Graduate Medical Education Annual Research Symposium. Henry Ford Hospital. Detroit, MI. February 2014.

7. Mehran, N, **Duncan J**, Moutzouros V, Craig J, Van Holsbeeck M. Evaluation of Full-Thickness Rotator Cuff Tears in a Surgical Population: Ultrasound versus Magnetic Resonance Imaging. Podium Presentation. Mid-America Orthopaedic Association Annual Meeting. Paper #152, 3<sup>rd</sup> Plenary Session. April 25, 2015.
8. **Duncan J**, Mohamed Ahmed A, Zarrabian M, Eck J, Rhee J, Currier B, Nassr A. Do Lumbar Decompression & Fusion patients remember their pre-operative status? Recall bias in Patient-reported Outcomes. Poster Presentation. 13th Annual AOSNA Fellows Forum, Banff Springs, Alberta, Canada. April 24, 2015.
9. **Duncan J**, Mohamed Ahmed A, Zarrabian M, Eck J, Rhee J, Currier B, Nassr A. Do Lumbar Decompression & Fusion patients remember their pre-operative status? Recall bias in Patient-reported Outcomes. AO Spine Selected Podium Presentations. 13th Annual AOSNA Fellows Forum, Banff Springs, Alberta, Canada. April 25, 2015.
10. Okoroha KR, Mehran N, **Duncan J**, Washington T, Spiering T, Bey MJ, Van Holsbeeck M, Moutzouros V. A Randomized and Blinded Characterization of Rotator Cuff Tears: Ultrasound Versus Magnetic Resonance Imaging. MOS (Michigan Orthopaedic Society) Annual Scientific Meeting, Mackinac Island, MI. June 21, 2015.
11. Aleem IS, **Duncan J**, Ahmed AM, Zarrabian M, Eck J, Rhee J, Clarke M, Currier BL, Nassr A. Do Lumbar Decompression and Fusion Patients Recall Their Preoperative Status? Recall Bias in Patient-Reported Outcomes, Abstract ID # 100. Lumbar Spine Research Society, 2016 Annual Meeting, Chicago, IL. April 14-15, 2016.
12. Nassr A, Aleem IS, **Duncan J**, Ahmed AM, Zarrabian M, Eck J, Rhee J, Clarke M, Currier BL. Do Lumbar Decompression and Fusion Patients Recall Their Preoperative Status? Recall Bias in Patient-Reported Outcomes, Abstract ID # 321, AM 111. 2016 AOA Annual Meeting and Leadership Conferences. Seattle, WA. June 22-25, 2016
13. Aleem IS, **Duncan J**, Ahmed AM, Zarrabian M, Eck J, Rhee J, Clarke M, Currier BL, Nassr A. Do Lumbar Decompression and Fusion Patients Recall Their Preoperative Status? Recall Bias in Patient-Reported Outcomes, Abstract ID # 0007. Canadian Spine Society Meeting, Vancouver, BC, Canada. Feb. 25, 2017.
14. Aleem I, **Duncan J**, Eck J, Rhee J, Currier B, Nassr A. Do Lumbar Decompression & Fusion patients remember their pre-operative status? A Cohort Study of Recall Bias in Patient-Reported Outcomes. North American Spine Society 31<sup>st</sup> Annual Meeting. Podium Presentation. Boston, MA. 2016 North American Spine Society (NASS) Resident & Fellow Research Award.

## **BOOK CHAPTERS**

**Duncan J**, Nassr A, Radcliff K. Complications of Posterior and Transforaminal Lumbar Interbody Fusions. *Spinal Instrumentation. Challenges and Solutions. 2<sup>nd</sup> Edition.* Kim D. et al. Thieme, New York, NY. 2018.

## PEER-REVIEWED ABSTRACTS and MANUSCRIPTS

1. Felkner M, Bartlett K, Andrews K, Field L, Taylor J, Baldwin T, Presley J, **Duncan J**, Newsome S. *Staphylococcus aureus* and Methicillin-Resistant *Staphylococcus aureus* on surfaces in a University and a Jail Setting. International Conference on Emerging Infectious Diseases 2008: Abstract. Emerging Infectious Diseases. <http://wwwnc.cdc.gov/eid/pdfs/ICEID2008.pdf>. 2008.
2. Mehran, N, **Duncan J**, Moutzouros V, Craig J, Van Holsbeeck M. Evaluation of Full-Thickness Rotator Cuff Tears in a Surgical Population: Ultrasound versus Magnetic Resonance Imaging. Mid-America Orthopaedic Association. Abstract #152, 3<sup>rd</sup> Plenary Session. April 25, 2015.
3. Aleem IS, **Duncan J**, Ahmed AM, Zarrabian M, Eck J, Rhee J, Clarke M, Currier BL, Nassr A. Do Lumbar Decompression and Fusion Patients Recall Their Preoperative Status? Recall Bias in Patient-Reported Outcomes, Abstract ID # 100. Lumbar Spine Research Society, 2016 Annual Meeting, Chicago, IL. April 14-15, 2016.
4. Nassr A, Aleem IS, **Duncan J**, Ahmed AM, Zarrabian M, Eck J, Rhee J, Clarke M, Currier BL. Do Lumbar Decompression and Fusion Patients Recall Their Preoperative Status? Recall Bias in Patient-Reported Outcomes, Abstract ID # 321, AM 111. 2016 AOA Annual Meeting and Leadership Conferences. Seattle, WA. June 22-25, 2016.
5. Okoroha KR, Mehran N, **Duncan J**, Washington T, Spiering T, Bey MJ, Van Holsbeeck M, Moutzouros V. Characterization of Rotator Cuff Tears: Ultrasound Versus Magnetic Resonance Imaging. Orthopedics. 2017 Jan 1;40(1):e124-e130. Epub 2016 Oct 18. PubMed PMID: 27755645.
6. Aleem IS, **Duncan J**, Ahmed AM, Zarrabian M, Eck J, Rhee J, Clarke M, Currier BL, Nassr A. Do Lumbar Decompression and Fusion Patients Recall Their Preoperative Status? Recall Bias in Patient-Reported Outcomes, Abstract ID # 0007. Canadian Spine Society Meeting, Vancouver, BC, Canada. Feb. 25, 2017.
7. Aleem IS, **Duncan J**, Ahmed AM, Zarrabian M, Eck J, Rhee J, Clarke M, Currier BL, Nassr A. Do Lumbar Decompression and Fusion Patients Recall Their Preoperative Status?: A Cohort Study of Recall Bias in Patient-Reported Outcomes. Spine (Phila Pa 1976). 2017 Jan 15;42(2):128-134. PubMed PMID: 27163372.

## LANGUAGE

Spanish: Fluent

## PROFESSIONAL INTERESTS

Spinal Infection, Spinal Tumors, Spinal Metastasis, Spinal Deformity, Cervical Spine, Quality Improvement

## PERSONAL INTERESTS

Snowboarding, UT College football, Coaching kids sports teams, Backpacking and Camping.