# Curriculum Vitae and Bibliography Jeremy Rush, MD FAAP

# Orthopedic Surgery, Sports Medicine, and Pediatric Orthopaedics

#### 1. PERSONAL INFORMATION

Place of Birth – Frankfurt, Germany Citizenship: - United States

#### 2. PRESENT POSITION

Sports Medicine and Pediatric Orthopaedic Surgeon
Sports Medicine Associates of San Antonio
San Antonio, TX

Assistant Professor
Department of Family & Community Medicine
UT Health San Antonio
Joe R. & Teresa Lozano Long School of Medicine
San Antonio, TX

# 3. EDUCATION

Texas A&M University College Station, TX 1998-2002 BA, Biology Texas A&M University College of Medicine 2002-2006 Temple, TX MD, With Honors San Antonio Uniformed Services Health Science Consortium 2006-2011 Brooke Army Medical Center, Ft. Sam Houston, Texas Orthopaedic Surgery Residency University of Tennessee College of Medicine / Campbell Clinic 2011-2012 Memphis, Tennessee Pediatric Orthopaedic Surgery Fellowship University of Virginia College of Medicine 2018-2019 Charlottesville, Virginia Orthopaedic Sports Medicine Fellowship

# 4. BOARD CERTIFICATION(S)

American Board of Orthopaedic Surgery

Board Certified 07/23/2015, No. 99318 Expires 12/31/2025		2015-Present
Subspecialty Certification in Sports Medicine		2021-Present
5. LICENSURE		
Nebraska Tennessee Mississippi Texas Washington Oregon Virginia Florida	MD License No. 24373 MD License No. 46851 MD License No. 21538 MD License No. P4376 MD License No. MD60583499 MD License No. MD173877 MD License No. 0101264689 MD License No. ME139740	2007-2015 2010-2012 2011-2013 2012-Present 2015-2018 2015-2022 2018-2020 2019-Present
6. MILITARY HONORS/AWAI	RDS	
Army Service Ribbon National Defense Service Medal Global War on Terror Service Medal Army Achievement with Oak Leaf Cluster Army Commendation Medal with Oak Leaf Cluster Afghanistan Campaign Medal NATO Medal Bronze Star Medal Global War on Terror Expeditionary Medal Meritorious Service Medal		2002 2006 2006 2009/2017 2011/2017 2013 2013 2013 2017 2018
7. MILITARY SERVICE		
Inactive Reserve, U.S. Army Health Professions Scholarship Program College Station, TX Medical Student / 2LT		2002-2006
Orthopaedic Surgical Resident / CPT Brooke Army Medical Center Ft. Sam Houston, TX		2006-2011
Pediatric Orthopaedic Fellow / CPT AMEDD Student Detachment, 32nd Medical Brigade Fort Sam Houston, TX		2011-2012
Lead Orthopaedic Surgeon / MAJ 14th Combat Support Hospital, 44th Medical Brigade Multinational Role 3 Hospital (Regional Command Southwest) Camp Bastion, Afghanistan		2012-2013

Staff Orthopaedic Surgeon / MAJ 2012-2018

San Antonio Military Medical Center

Fort Sam Houston, TX

Mission Commander / MAJ 2016

Pediatric Orthopaedic Surgery MEDRETE

Hospital Escuela Tegucigalpa, Honduras

Orthopaedic Surgeon / MAJ 2017

Damage Control Surgery (DCS) Team Joint Special Operations Task Force

**United States Special Operations Command** 

Camp Lemonnier, Djibouti

Staff Orthopaedic Surgeon / MAJ 2017

86th Combat Support Hospital, 44th Medical Brigade Camp Arifian, Kuwait

47th Combat Support Hospital, 62nd Medical Brigade Baghdad Diplomatic Support Center, Baghdad, Iraq

# 8. PREVIOUS PROFESSIONAL POSITIONS AND MAJOR APPOINTMENTS

Clinical Instructor in Orthopaedic Surgery 2011-2012

University of Tennessee College of Medicine

Campbell Clinic Memphis, TN

Chief of Pediatric Orthopedics 2012-2018

Staff Pediatric Orthopedic Surgeon Brooke Army Medical Center Fort Sam Houston, TX

Assistant Professor of Surgery 2014-2018

Uniformed Services University of the Health Sciences

F. Edward Hebert School of Medicine

Bethesda, Maryland

Director of Sports Medicine 2019-2022

Orthopaedic Sports Surgeon / Pediatric Orthopaedic Surgeon

Nemours Children's Health System

Jacksonville, FL

Assistant Professor of Orthopaedic Surgery 2020-2022

Mayo Clinic College of Medicine and Science

Rochester, MD

# 9. PROFESSIONAL & COMMUNITY MEMBERSHIPS, SOCIETIES AND SERVICES

**Professional Memberships & Services** 

Alpha Omega Alpha Honor Society	2005-Present
Society of Military Orthopaedic Surgeons	2007-Present
<ul> <li>American Academy of Orthopaedic Surgeons</li> <li>Orthopaedic Basic Science Evaluation Committee 2015- Present</li> <li>Pediatric Instructional Course Committee 2017-Present</li> </ul>	2011-Present
Pediatric Research in Sports Medicine Society (PRISM)  • Education Committee 2019-2021	2012-Present
<ul> <li>Pediatric Orthopaedic Society of North America (POSNA)</li> <li>Trauma, Prevention, and Disaster Response Committee 2014-2016</li> <li>Technology Oversight Committee / OrthoKids Project Team 2017-Present</li> </ul>	2013-Present
American Academy of Pediatrics <ul> <li>Subspecialty Fellow, No. 1250344</li> <li>Section on Orthopaedics</li> <li>Council on Sports Medicine &amp; Fitness</li> </ul>	2015-Present
American Orthopaedic Society for Sports Medicine  • STOP Sports Injuries Committee 2021-Present	2018-Present
Arthroscopy Association of North America	2018-Present
American Orthopaedic Association  • Active Fellow	2021-Present
Athletic Coverage	
Academy/Club Level Jacksonville FC Youth Academy Jacksonville, FL Academy Surgeon	2019-2022
Clay County Soccer Club Youth Academy Fleming Island, FL Academy Surgeon	2020-2022
San Antonio City Soccer Club San Antonio, TX Academy Surgeon	2022-Present
Boerne Soccer Club Boerne, TX Academy Surgeon	2022-Present
High School Level	

High School Level

Randolph High School Randolph Independent School District San Antonio, TX	2016-2018 2022-Present
Cole High School Fort Sam Houston Independent School District Fort Sam Houston, TX	2016-2018
Baldwin High School Duval County Schools Baldwin, FL	2019-2022
Wolfson High School Duval County Schools Jacksonville, FL	2019-2020
Ribault High School Duval County Schools Jacksonville, FL	2020-2022
Collegiate Level University of Virginia Men's and Women's Athletics Charlottesville, VA	2018-2019
James Madison University Men's and Women's Athletics Harrisonburg, VA	2018-2019
National Level US Soccer U16WYNT – UEFA Development Tournament, 2020 Burton-Upon-Trent, England U17MYNT - UEFA Development Tournament, 2020 Burton-Upon-Trent, England U17WYNT – CONCACAF Tournament, 2022 Santo Domingo, Dominican Republic U16WYNT – Montaigu Tournament, 2023 Vendee, France	2018-Present
Professional Level San Antonio Spurs National Basketball Association San Antonio, TX Team Surgeon	2022-Present
San Antonio Football Club United Soccer League Championship San Antonio, TX Team Surgeon	2022-Present

# Other Volunteer Experience

2016-2018

Texas A&M University Emergency Medical Services (EMS) College Station, TX  Training Lieutenant (2001) Field Training Officer (2001-2003) Training Captain (2002) Chief of EMS (2003)	2000-2004
Brazos County Volunteer Fire Department Bryan, TX  • Volunteer Firefighter / EMT-Intermediate	2000-2002
CURE International Santo Domingo, Dominican Republic  Volunteer Orthopaedic Surgeon	2013
Jacksonville Sports Medicine Program	2019-2022
Ponte Vedra Girl Softball  • Board of Directors	2019-2022
Editorial and Review Activities	
Journal of Pediatric Orthopaedics Consultant Reviewer	2017-Present
Journal of Children's Orthopaedics Consultant Reviewer	2017-Present
American Journal of Sports Medicine Consultant Reviewer	2019-Present

# 10. EDUCATIONAL ACTIVITIES

# A. Curriculum/Course Development

Clinical Competency Committee Pediatric Orthopedic Representative Brooke Army Medical Center Fort Sam Houston, TX

The committee reviewed the clinical competence of each orthopedic surgery resident through the various evaluations provided, as well as their personal knowledge of the resident. Additionally, the committee discussed and implemented educational programs for faculty regarding evaluation of residents and use of the evaluation tools.

Continuing Education Committee
Orthopedic Representative
86thth Combat Support Hospital
Camp Arifjan, Kuwait
The committee planned and coordinated continuing education
opportunities for medical staff in a forward deployed area to support
maintaining licensure and clinical competence.

2017

#### **B.** Teaching

Clinical Instructor 2011-2012

Orthopedic Surgical Residency

University of Tennessee / Campbell Clinic

Memphis, TN

Taught 4 2<sup>nd</sup> year and 5<sup>th</sup> year orthopedic residents per rotation while performing pediatric orthopedic fellowship. Delivered 4 lectures on core pediatric orthopedic topics.

Consultant Orthopaedic Surgeon 2012-2013

14th Combat Support Hospital, 44th Medical Brigade

Multinational Role 3 Hospital (Regional Command Southwest)

Camp Bastion, Afghanistan

Served as teaching faculty for 3 British Army / Royal Air Force orthopaedic registrars forward deployed to Camp Bastion, Afghanistan for 4-6 week blocks each. Additionally, instructed and taught 3 local Afghan surgeons/physicians (damage control orthopedics).

Teaching Faculty 2012-2018

Orthopedic Surgical Residency

Brooke Army Medical Center

Fort Sam Houston, TX
Responsible for teaching orthopedics residents on the pediatric orthopedic service. Generally had two residents on service at a time. Developed pediatric-specific weekly team training and reading program. Delivered 3-4 lectures per year to residency program. Coordinated quarterly arthroscopy skills labs.

Teaching Faculty 2019-2022

Nemours Children's Health System

Jacksonville, FL

Responsible for teaching University of Florida and Mayo Clinic College of Medicine orthopedics residents on the pediatric orthopedic service. Generally had four residents on service at a time. Delivered 3-4 lectures per year to residency program. Coordinated quarterly arthroscopy skills labs. Additionally served as faculty for pediatric orthopedic and sports medicine rotations for University of Florida pediatric residents and Mayo Clinic College of Medicine and St. Vincent's primary care sports medicine fellows.

#### C. Mentorship

Individual and Timeframe & Outcomes Current Status Position Description

Maj Fortune Egbulefu, MD, Orthopaedic Surgical Resident 2014-2015
Mentored Dr. Egbulefu
while he was on
program-level
remediation. This
involved weekly
mentorship sessions,
focusing on
development of a study
and reading plan as
well as reviewing
surgical cases.

Resident was successfully removed from PLR and excelled in his remaining years during orthopaedic residency. Staff Orthopaedic Surgeon at Langley Air Force Base

MAJ Kristopher Lewis, PA-C, Physician Assistant Fellow 2016-2018
Mentored MAJ Lewis in preparation of his research project and dissertation for Doctor of Science PA
Fellowship program

Manuscript:
Is Radiographic
Evaluation Necessary in
Children with a Clinical
Diagnosis of OsgoodSchlatter Disease?
- Successfully defended
thesis

- Pending submission to Journal of Pediatric Orthopaedics Staff Orthopaedic Physician Assistant at Brooke Army Medical Center

Francis Bustos, MD

2018-2019
Mentored Dr. Bustos in research and preparation of book chapter regarding shoulder instability.

Evaluation of Shoulder Instability on the Field and in the Clinic.
Accepted and pending publication in Shoulder Instability in the Athlete. (editors Brett Owens and Jon Dickens)

Senior Orthopaedic Surgical Resident at the University of Virginia

# 11. INSTITUTIONAL/DEPARTMENTAL ADMINISTRATIVE RESPONSIBILITIES, COMMITTEE MEMBERSHIPS AND OTHER ACTIVITIES

Brooke Army Medical Center Fort Sam Houston, TX

2012-2018

- Hospital Performance Improvement Committee 2013
- Hospital Team STEPPS Committee 2013-2014
- Assistant Orthopaedic Service Chief 2014-2015
- Enterprise-Wide Casting Standardization Project 2014-2015
- Hospital Clinical Risk Management Committee 2015-2017
- Chief of Pediatric Orthopaedics 205-2018
- Hospital Credentials Committee 2016-2017
- Department Clinical Competence Committee 2016-2018

Wolfson Children's Hospital Jacksonville, FL

2019-2022

• Multidisciplinary Trauma Committee 2021 - Present

# 12. PRESENTATIONS

#### International/National

Lateral Talar Dome Access Utilizing Temporary External Fixation (Invasive Distraction)

2008

Rush J, Kirk K, Kirby J, Hsu J

 Podium Presentation: Society of Military Orthopaedic Surgeons Annual Meeting

The effect of immobilization devices and left-foot adapter on brakeresponse time.

2009-2011

Orr J, Dowd T, Rush J, Hsu J, Ficke J, Kirk K

- Podium Presentation: Society of Military Orthopaedic Surgeons Annual Meeting
- Podium Presentation: American Orthopaedic Foot and Ankle Society Annual Meeting
- Podium Presentation: American Academy of Orthopaedic Surgery Annual Meeting, 2011

The Use of Animal Models in the Pediatric Orthopaedic Literature Rush J. Stinner D, Masini B

2012

 Podium Presentation: Society of Military Orthopaedic Surgeons Annual Meeting

The Use of Magnetic Resonance Imaging in the Evaluation of Spondylolysis

2013, 2015

Warner W, Rush J, Nelson A, Kelly D, Sawyer J

- Podium Presentation: American Academy of Orthopaedic Surgery Annual Meeting
- Podium Presentation: 15th Brazilian Spine Meeting

Pediatric Orthopedics Miller/JBJS Maintenance of Certification Course Boston, MA	2016
Supracondylar Humerus Fractures: Current State of the Art Department of Orthopaedic Surgery Hospital Escuela Tegucigalpa, Honduras	2016
Pediatric Orthopaedics in the Deployed Setting US Army Combat Extremity Surgery Course Fort Bliss, TX	2017
Pediatric Orthopedics Miller Review Course Denver, CO	2017
Splinting and Casting for the Forward Surgical Team 47th Combat Support Hospital and 250th Forward Surgical Team Baghdad Diplomatic Support Center Baghdad, Iraq	2017
Foot and Ankle Injuries in the Skeletally Immature Athlete 45th Annual Symposium on Sports Medicine UT Health San Antonio San Antonio, TX	2017

# 13. CLINICAL PRACTICE, INTERESTS, AND ACCOMPLISHMENTS

Sports medicine (with a focus on pediatric and young adult sports medicine)

- Complex knee reconstruction
- Patellofemoral instability
- Shoulder instability
- Overuse injuries
- · Sports-associated fracture

# 14. RESEARCH INTERESTS

- Return to play criteria following anterior cruciate ligament reconstruction
- Use of blood-flow restriction based therapy protocol
- Association between psychologic response to injury and outcomes following sports medicine surgery

#### 15. BIBLIOGRAPHY

# Full Length, Peer-Reviewed Articles

1. The significance of increased fluid signal on magnetic resonance imaging in lumbar facets in relationship to degenerative spondylolisthesis. Chaput C, Padon D, Rush J, Lenehan E, Rahm M.

Spine, 2007 Aug 1;32(17):1883-7.

2. Outcomes of internal fixation in a combat environment. Stinner D, Keeney J, Hsu J, Rush J, Cho M, Wenke J, Ficke J. Journal of Surgical Orthopaedic Advances, 2010 Spring;19(1):49-53.

3. Lateral talar dome access utilizing temporary invasive distraction.

Rush J, Kirk K, Kirby J, Hsu J

Foot & Ankle International, 2010 Mar;31(3):236-41.

4. The effect of immobilization devices and left-foot adapter on brake-response time.

Orr J, Dowd T, Rush J, Hsu J, Ficke J, Kirk K

Journal of Bone and Joint Surgery, 2010 Dec 15;92(18):2871-7.

5. The treatment of pediatric lower extremity deformity with the Taylor spatial frame.

Cross J, Rush J, Kelly D, Warner W, Sawyer J

Current Orthopaedic Practice, 2011 March/April;22(2):135-41.

6. Gangrenous testicular torsion, presenting as refusal to bear weight, in a fourteen-month-old child: a case report.

Napierala MA, Rush J, Possley D, Young J, Ritchie E, Alderete J Journal of Bone and Joint Surgery, 2011 Dec 7;93(23):e1391-3.

7. Proximal femoral fractures in children and adolescents: an update.

Norton B, Mulligan R, Rush J, Kelly D, Warner W, Sawyer J

Current Orthopaedic Practice, 2012 September/October;23(5):429-34.

8. Associated injuries in children and adolescents with spinal trauma.

Rush J, Kelly D, Astur N, Creek A, Dawkins R, Younas S, Warner W Jr, Sawyer J Journal of Pediatric Orthopaedics, 2013 Jun;33(4):393-7.

9. Treatment of Pediatric Femur Fractures With the Pavlik Harness: Multiyear Clinical and Radiographic Outcomes.

Rush J, Kelly D, Sawyer J, Beaty J, Warner W Jr.

Journal of Pediatric Orthopaedics, 2013 Sep;33(6):614-7.

10. Intra-observer and Inter-observer Reliability and the Role of Fracture Morphology in Classifying Femoral Shaft Fractures in Young Children

Thompson M, Kelly D, Warner W, Rush J, Hanna R, Beaty J, Spence D, Sawyer J Journal of Pediatric Orthopaedics, 2015 Apr-May;35(3):358-8.

11. The Use of Magnetic Resonance Imaging in the Evaluation of Spondylolysis

Rush J, Astur N, Scott S, Kelly D, Sawyer J, Warner WC Jr.

Journal of Pediatric Orthopaedics, 2015 Apr-May;35(3):271-5.

12. Gunshot-associated Fractures in Children and Adolescents Treated at Two Level 1 Pediatric Trauma Centers.

Naranje SM, Gilbert SR, Stewart MG, Rush JK, Bleakney CA, McKay JE, Warner WC Jr, Kelly DM, Sawver JR.

Pediatric Trauma Centers. J Pediatric Orthopaedics. 2016 Jan;36(1):1-5.

13. Patellar Instability in Children and Adolescents

Hurley R, Rush J

Current Orthopaedic Practice, 2015 Sept/Oct;26(5):458-65.

14. Complications of Pediatric Elbow Fractures

Hyatt B, Schmitz M, Rush J

Orthopaedic Clinics of North America, 2016 Apr;47(2):377-85

- 15. What's New in Pediatric and Adolescent Anterior Cruciate Ligament Injuries Dekker T, Rush J, Schmitz M Journal of Pediatric Orthopaedics, 2018 Mar;38(3):185-192.
- 16. Reliability of Casting Indices Among Members of an Orthopaedic Surgery Residency Williams N, Rush J, Schmitz M, Johnson A Journal of Pediatric Orthopaedics, 2017 Jun;37(4):e238-e242.
- 17. Sport Participation and Specialization Characteristics Among Pediatric Soccer Athletes. McLeod TV, Israel M, Christino MA, Chung JS, McKay SD, Lang PJ, Bell DR, Chan CM, Crepeau A, Davis E, Fletcher AL, Laniak J, McCaffrey K, Pacicca D, Riederer M, Rizzone K, Rush JK, Zaslow T. Orthop J Sports Med. 2019 Mar;7(3).
- 18. Trochleoplasty: Groove-Deepening and Entrance Grooveplasty Rush J, Smith J, Carstensen E, Arendt E, Diduch D Operative Techniques in Sports Medicine, 2019;27(4).
- 19. When is Trochleoplasty a Rational Addition? Rush J, Diduch D Sports Med Arthrosc Rev. 2019 Dec;27(4):161-168.
- 20. Sulcus Deepening Trochleoplasty and Medial Patellofemoral Ligament Reconstruction for Patellofemoral Instability: A 2-Year Study. Carstensen SE, Feeley SM, Burrus MT, Deasey M, Rush J, Diduch DR. Arthroscopy. 2020 Aug;36(8):2237-2245.
- 21. A National Perspective of Patellar Instability in Children and Adolescents in the United States: MPFL Reconstruction Is Three Times Higher Than the Incidence of Isolated Lateral Release Kamalapathy P, Rush J, Montgomery S, Diduch D, Werner B Arthroscopy. 2022 Feb;38(2):466-473.

#### **Non-Peer Reviewed Articles**

1. Sulcus Deepening Trochleoplasty: Indications and Techniques Rush J, Diduch D OrthopaedicsToday, 1 Aug 2019

#### **Book Chapters**

- 1. Schmitz M, Rush J, Milbrandt T. Pediatric Orthopaedics. In: Miller M, Thompson S, editors. Miller's Review of Orthopaedics. 7<sup>th</sup> Edition. New York: Elsevier; 2015.
- 2. Rush J, Lybeck D, Rivera J, Schmitz M. Basic Science. In: Miller M, Thompson S, editors. Miller's Review of Orthopaedics. 8<sup>th</sup> Edition. New York: Elsevier; 2019.
- 3. Schmitz M, Rush J. Pediatric Orthopaedics. In: Miller M, Thompson S, editors. Miller's Review of Orthopaedics. 8<sup>th</sup> Edition. New York: Elsevier; 2019.
- 4. Rush J, Stinson S. Transphyseal Anterior Cruciate Ligament Reconstruction. In: Schmitz M, Thompson S, editors. Complications in Orthopaedic Surgery: Sports Medicine. New York: Elsevier; 2020.
- 5. Smith J, Rush J, Carstensen E, Diduch D. Trochleoplasty: Indications and Results. In: Zaffagnini, S., Dejour, D., Arendt, E.A., editors. Patellofemoral Pain, Instability, and Arthritis 2<sup>nd</sup> Edition, European Society of Sports Traumatology, Knee Surgery and Arthroscopy. New York: Springer; 2020.

- 6. Rush J, Bustos F, Brockmeier S. Evaluation of Shoulder Instability on the Field and in the Clinic. In: Owens B, Dickens D, editors. Shoulder Instability in the Athlete. New York: Slack; Pending Publication.
- 7. Rush J, Deasey M, Dejour D, Diduch D. Sulcus-Deepening Trochleoplasty. In: Miller M, editor. Operative Techniques in Orthopaedic Surgery, Third Edition. New York: Wolters Kluwer; Pending Publication

#### **Online Material**

1. Back Pain in Children and Adolescents Rush J, Sawyer J First Consult, 2013 Elsevier

- 2. The Limping Child Rush J Medscape, 2013
- 3. Orthopaedic Basic Science Self-Assessment Examination Rush J, Contributor American Academy of Orthopaedic Surgeons, 2018
- 4. Arthroscopy Self-Assessment Program (ASAP) V5: Multi-Joint Rush J, Contributor Arthroscopy Association of North America (AANA), 2019