

Addison R. Wood DO, PhD

Spine Surgeon

PROFESSIONAL SUMMARY

Orthopedic surgeon who is spine fellowship trained and board-eligible with 2 years of experience out from fellowship who is currently in private practice. Clinical expertise in minimally invasive, anterior approach, deformity, complex revision, and outpatient spine surgery. Demonstrated program leadership as a medical director, experienced educator, and productive investigator with a sustained record of biomechanical and translational research, peer-reviewed publications, and national/international presentations. Licensed in CO, OK, and TX without any malpractice claims.

PROFFESIONAL EXPERIENCE

Bridger Orthopedic & Sports Medicine

Spine Surgeon

- General Spine Surgeon: Robotics, MIS, Trauma, Complex Spine

Bozeman, MT

09/2026-Current

Tulsa Bone and Joint

Spine Surgeon

- General Spine Surgeon: Robotics, MIS, Trauma, Complex Spine

Tulsa, OK

05/2025-06/2026

Montrose Regional Health

Spine Surgeon and Medical Director of Spine Surgery

- General Spine Surgeon: MIS, Trauma, Complex Spine
- Medical Director Overseeing All Spine Care at MRH

Montrose, CO

09/2023-12/2024

Federal Bureau of Prisons

In-house Physician- On-call General Medical Care

- General medicine moonlighting during residency
- In house Call for triage and medical care of inmates

Fort Worth, TX

12/2021-07/2022

University of North Texas Health Science Center

Department of Cell Biology and Anatomy- Adjunct Professor

- Musculoskeletal biomechanical research
- Student mentorship

Fort Worth, TX

7/2019-07/2022

EDUCATION

University of North Texas

B.A., Biochemistry

Denton, TX

2009

University of North Texas Health Science Center

M.S., Medical Science

Fort Worth, TX

2011

D.O., Doctor of Osteopathic Medicine

2017

PhD, Doctor of Philosophy: Structural Anatomy

2017

John Peter Smith Hospital
Orthopaedic Surgical Residency ACGME

Fort Worth, TX
7/2017-6/2022

University of Calgary
Combined Neurosurgical and Orthopaedic Spine Fellowship

Calgary, Alberta
7/2022-7/2023

PROFESSIONAL LICENSURE

Colorado Medical Board
Unrestricted Full Colorado Medical License- Physician License DR.0071179

Oklahoma Medical Board
Unrestricted Full Oklahoma Medical License- Physician License #8999

Texas Medical Board
Unrestricted Full Texas Medical License- Physician License #T3216

American Board of Orthopaedic Surgery
ABOS Part I Examination Passed *Board Eligible 09/2022*

Drug Enforcement Agency
Physician DEA Prescribing Privileges for Controlled Substance

ACADEMIC EXPERIENCE

University of North Texas Health Science Center **Fort Worth, TX**
Department of Cell Biology and Anatomy- Adjunct Professor *7/2019-07/2022*

- Musculoskeletal biomechanical research
- Student mentorship
- Managing the bioskills lab during educational programs for healthcare professionals

Co-Major Professor & Committee Member *8/2020-2021*

- Master of Science student *Lauren Pauletti*

Course Director for Fourth Year Medical Students *9/2020-2021*

- Elective Course for Orthopaedic Surgical Anatomy

PhD Committee Member *5/2017- 8/2018*

- Provisional PhD committee member for Cara Fisher

Research Integrity Committee Member *1/2015-5/2017*

- Voting member of a committee overseeing cases of research ethics misconduct at UNT HSC

Research Mentor for Medical Students *5/2015-07/2022*

- Serving as mentor medical students pursuing research through UNT HSC

Department of Cell Biology and Anatomy- Anatomy Lab Assistant *5/2011-7/2019*

- Teaching physicians, nurses, physicians assistants, and other healthcare providers
- Comprehensive prosection of human cadavers
- Managing bioskills educational programs

Center of Academic Performance- Paid Tutor

7/2011-5/2012

- One-on-one and group tutoring
- Mock anatomy lab practical examinations

Department of Cell Biology and Anatomy- Summer Research Fellowship 5/2012-8/2012

- Stipend for conducting research in the orthopaedic surgery areas of total knee arthroplasty and biomedical science education programs.

North American of Spine Society

NASS Research Funding Committee Member

11/2021-04/2022

- Oversees research grant and fellowship applications, processes, and suggests funding recommendations to the Evidence Analysis & Research Council and Board

The Spine Journal Peer Reviewer

2021-Present

- Review manuscripts for feedback and potential publication

PROFESSIONAL COURSES

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| 1. Techniques for the Treatment of Adult Deformity Cadaver Lab and Lecture Course | November 2021 |
| 2. Excelsius Robotics and Navigation Symposium Cadaver Lab and Lecture Course | October 2021 |
| 3. NASS: Evidence-Based Medicine Lecture Course | September 2021 |
| 4. Techniques and Trends in Less Invasive Spine Surgery Cadaver Lab and Lecture Course | September 2021 |
| 5. Surgical Concepts in Minimally Invasive Spine Surgery Cadaver Lab and Lecture Course | October 2019 |
| 6. AO-Spine: Fundamentals of Spine Surgery Cadaver Lab and Lecture Course | August 2019 |
| 7. Treatment of Lumbar Degenerative Disease Cadaver Lab and Lecture Course | August 2019 |
| 8. MTS Hardware Concepts and 793 Software Course Hands on training and certification for use of MTS equipment | April 2019 |
| 9. Orthopaedic Trauma Association Comprehensive Fracture Course for Residents | April 2018 |

FUNDING

1. Arthrex Donation in Kind; \$90,000 Private Grant; July 2016.
2. University of North Texas Health Science Center Seed Grant; \$20,000 Competitive Internal Grant for Research Start Up; December 2014.
3. American Association of Anatomists Outreach Grant; \$2,500 Texas Academy of Biomedical Science - Enrichment Program for Fort Worth ISD 9th and 10th Grade Students; 2013.

PUBLICATIONS

1. Haddas, Sandu, Wood, Sambhariya, Lieberman. Short-Term Effect of Surgical Realignment on Gait in Adult Degenerative Scoliosis Patients. *Spine Deformity*. Accepted March 2021.
2. Haddas, Wood, Mar, Derman, Lieberman. Value of Functional Analysis in the Assessment of Surgery in Spinal Patients. *The Spine Journal*. Accepted February 2021.
3. Haddas, Wood, Lieberman, Derman. Can We Predict the Cone of Economy Measurement using Only a Force Plate? *European Spine Journal*. Accepted October 2020
4. Wood AR, Arshad SA, Kim H, Stewart D. Kinematic Analysis of Combined Suture-Button and Suture Anchor Augment Constructs for Ankle Syndesmosis Injuries. *Foot Ankle Int*. 2020 Apr;41(4):463-472.
5. Wood A, Boren M, Dodgen T, Wagner R, Patterson RM. Muscular architecture of the popliteus muscle and the basic science implications. *Knee*. 2020 Jan 15. pii: S0968-0160(19)30311-4.
6. Fisher CL, Rabbani T, Johnson K, Reeves R, Wood A. Diagnostic capability of dynamic ultrasound evaluation of supination-external rotation ankle injuries: a cadaveric study. *BMC Musculoskelet Disord*. 2019 Oct 30;20(1):502
7. Wood AR, Rabbani T, Sheffer B, Wagner R, Sanchez H. Protecting the PCL during Total Knee Arthroplasty using a Bone Island Technique. *The Journal of Arthroplasty*. 2018 Jan;33(1):102-106.
8. Chambers AW, Wood AR, Kosmopoulos V, Wagner RA. Effect of Posterior Tibial Slope on Flexion and Anterior-Posterior Tibial Translation in Posterior Cruciate-Retaining Total Knee Arthroplasty. *The Journal of Arthroplasty*. 2016; January (31): 103-106.
9. Fraser PR, Wood AR, Rosales AA. Anatomical variation of the semitendinosus muscle origin. *Int J Anat Var (IJAV)*. 2013; December (6): 225–227.
10. Wood AR, Reeves RE, Rosales AA. Anatomical Variant: Bilateral Gluteus Medius Tendinous Foramina Containing Portions of the Superior Gluteal Neurovascular Bundle. *Int J Anat Var (IJAV)*. 2013; April (6): 59–60.
11. Brown JM, Hoffmann WD, Alvey CM, Wood AR, Verbeck GF, Petros RA. One-bead, onecom-pound peptide library sequencing via high-pressure ammonia cleavage coupled tonanomanipulation/

nanoelectrospray ionization mass spectrometry. *Analytical Biochemistry*. 2010; March (398): 7-14.

PODIUM PRESENTATIONS & POSTERS

1. Wood, Pipkin, Sambhariya. Effect of Cervical Laminectomy Width and Sagittal Alignment on Posterior Cord Drift: A Cadaveric Study. Podium Presentation. Spine Across the Sea July 2021 NASS.
2. Haddas, Wood, Lieberman, Derman. Can We Predict the Cone of Economy Measurement using Only a Force Plate? AAOS Poster. 2021
3. Haddas R, Wood A, Lieberman IH, Derman P. Can We Predict the Cone of Economy Measurement using Only a Force Plate? The International Society for the Study of the Lumbar Spine (ISSLS), Virtual, June 2021.
4. Kinematic Analysis of Combined Suture-Button and Suture Anchor Augment Constructs for Ankle Syndesmosis Injuries, British Orthopaedic Association, International Meeting, Podium Presentation. September 2018.
5. Comparison of 1st Metatarsal Incorporation and Posterior Slab Splinting for Stabilizing Distal Tibia Fractures with Spanning External Fixation, Western Orthopaedic Association Regional Meeting, Poster. August 2018.
6. Protecting the PCL during Cruciate Retaining Total Knee Arthroplasty using a Bone Island Technique. Podium Presentation. Southern Orthopaedic Association; July, 2016; Naples, Florida.
7. Biomechanical Standardization of Ankle Syndesmosis Injuries Using Dynamic Ultrasound Examination. Poster. Research Appreciation Day; April, 2016; Fort Worth, Texas.
8. Quantitative Analysis of the Popliteus, Gastrocnemius, and Semimembranosus as Related to In-Vitro and Computational Kinematic Simulations. Poster. Research Appreciation Day; April, 2016; Fort Worth, Texas.
9. Wood AR, Smith ML, Wagner RA, Reeves RE. Muscular Architecture of the Posterior Knee and the Basic Science Implications. Poster. American Academy of Orthopaedic Surgeons; March, 2016; Orlando, Florida.
10. Wood AR, Reeves RE, Nana A. Teaching Ultrasound Evaluation of Syndesmotic Ankle Injuries Using Cadavers. Poster. International Academy of Medical Science Educators; June, 2015; San Diego, California.
11. Chambers AW, Wood AR, Kosmopoulos V, Wagner RA. Total Knee Arthroplasty: Effects of Varying the Posterior Slope of the Tibial Plateau. Poster. American Academy of Orthopaedic Surgeons; March, 2015; Las Vegas, Nevada.
12. Wood AR, Reeves RE. Bilateral Gluteus Medius Tendinous Foramina Containing Portions of the Superior Gluteal Neurovascular Bundle. Poster. Research Appreciation Day; April, 2012; Fort Worth, Texas.

PAST RESEARCH EXPERIENCES

1. Tibiofemoral Kinematic Comparison of Medial Knee Joint Capsule Pie Crusting vs Standard MCL Release Technique, University of North Texas Health Science Center and John Peter Smith Hospital
2. Kinematic Effects of Rotational Alignment of the Tibial Tubercle in the Coronal Plane during Tibial Tubercle Osteotomy, University of North Texas Health Science Center and John Peter Smith Hospital
3. The Role of Posterior Tibial Slope in Achieving Physiological Tibiofemoral Kinematics in Cruciate Retaining vs Constraining Implant Designs, Russell Wagner MD, University of North Texas Health Science Center
4. Collaboration: In Vitro Robotic Guided Knee Kinematics Using Computational Modelling as Input from In Vivo Subjects, University of Texas at El Paso and University of North Texas Health Science Center, March 2015-September 2015.
5. Greater Trochanteric Pain Syndrome: Novel Anatomical Structure Impeding Proper Surgical Treatment, Rustin Reeves PhD, University of North Texas Health Science Center, May 2010-September 2011.

CONFERENCES AND PRESENTATIONS

1. Canadian Spine Society Annual Meeting, International Meeting, Spine Surgery Conference; March 2024
2. NASS Annual Meeting, National Meeting, Spine Surgery Conference; October 2022
3. NASS: Spine Across the Sea, National Meeting, Spine Surgery Conference; July 2021
4. British Orthopaedic Association, International Meeting, Orthopaedic Conference for Clinical Practice and Science; September 2018
5. Western Orthopaedic Association Regional Meeting, Orthopaedic Conference for Clinical Practice and Science; August 2018.
6. John Peter Smith Hospital, Patient Safety and Quality Fair, Quality Improvement Conference for Patient Care; October, 2017.
7. Southern Orthopaedic Association Regional Meeting, Orthopaedic Conference for Clinical Practice and Science; July, 2016.
8. American Academy of Orthopaedic Surgeons, Orthopaedic Conference for Clinical Practice and Science; March, 2016.
9. Orthopaedic Research Society, Orthopaedic Research Focused Conference for Basic and

Translational Science; March, 2016.

10. International Academy of Medical Science Educators, Focused On Current and Future Medical Student Educator Development; June, 2015.

11. American Academy of Orthopaedic Surgeons, Orthopaedic Conference for Clinical Practice and Science; March, 2015.

12. Orthopaedic Research Society, Orthopaedic Research Focused Conference for Basic and Translational Science; March, 2015.

13. American Association of Hip and Knee Surgeons, Focused on Clinical Aspects of Adult Reconstructive Surgery; November, 2014.

14. American Physician Scientist Association, Regional Meeting for Future Physician Scientists; November, 2014.

15. American Physician Scientist Association, Regional Meeting for Future Physician Scientists; November, 2012.

16. Texas Conference on Health Disparities, Informative Sessions on Different Aspects of Current US Based Health Disparities; May, 2010.

PROFESSIONAL MEMBERSHIPS

North American Spine Society

AO Foundation: Spine

American Academy of Orthopaedic Surgeons

American Physician Scientist Association

American Association of Anatomists

Orthopaedic Research Society

VOLUNTEER EXPERIENCES

Medical Mission Trip: Costa Rica	3/2013
Medical Mission Trip: Nicaragua	3/2012

HONORS AND AWARDS

Outstanding Medical Student in Center for Anatomical Science	5/2017
Outstanding Medical Student in Orthopaedics	5/2017
Student Travel Award	5/2015
Center of Academic Performance Tutor of the Month	4/2012
Touch Award for Community Service Recognition	5/2013

PERSONAL INTERESTS

Woodworking, hiking, and camping