

Dustin Anderson, MD

Education

- 2019-2020 *University of Colorado School of Medicine*
ACGME Pain Fellowship
- 2016-2019 *University of Colorado School of Medicine*
Physical Medicine & Rehabilitation
Chief Resident, 2018-2019
- 2015-2016 *Medical College of Wisconsin Affiliated Hospitals (MCWAH)*
Wheaton-Franciscan St. Joseph's, Transitional Year
Transitional Year Representative, 2015-2016
- 2010-2015 *Medical College of Wisconsin (MCW)*
Doctor of Medicine
- 2007-2010 *University of Wisconsin-Madison*
Bachelor of Science, Communication Arts
- 2006-2007 *University of Wisconsin-Milwaukee*
English, Honors College

Peer-Reviewed Publications

Anderson DJM. Artificial Intelligence and Applications in PM&R. *AJPMR - Resident & Fellow section.* 2019

Park A, **Anderson DJM**, Morse L. Active Non-steroidal Anti-inflammatory drug (NSAID) use is associated with reduced CRP and IL-6 levels in chronic spinal cord injury. *American Academy of Physiatry.* 2019

Anderson DJM, Park A, Morse L et al. Prophylactic treatment of osteoporosis after SCI: Promising research, but not yet indicated. *Nature - Spinal Cord Series and Cases.* 2018

Shilpa Krishnan PT, **Anderson DJM** et al. Overview of Common Complementary and Integrative Approaches to Managing Chronic Pain: A Guide for Patients With Chronic Pain. *Archives of Physical Medicine and Rehabilitation.* 2018

Sohi MT, Sullivan WJ, **Anderson DJM.** Transient Hypokalemic Quadriplegia After a Lumbar Transforaminal Epidural Dexamethasone Injection: A Case Report. *PM&R.* 2017

Anderson DJM, Knight E, Best A. A Case Study of Lumbosacral Transitional Anatomy: Implications of Pain Patterns and Treatment Consideration. *SpineLine*, a NASS publication. 2017

Laker S, **Anderson DJM**. *Scaphoid Injury*, Medscape. 2017

Torberntsson P, **Anderson DJM**. *Plain Radiography*, AAPM&R, *PM&R Knowledge Now*. 2017

Current Research Projects

- 2019 *Google Grant: Artificial Intelligence for Spine & Musculoskeletal Disorders*
IRB approved study in conjunction with Health Data Compass ($n = 60,808$)
Awarded a Google Cloud Platform Grant (\$14,000)
- 2018 ImPACT database to investigate second impact syndrome

Non-Peer Reviewed Publications

- 2017 *Fellowship Spotlight: Sports & Interventional Spine* AAPM&R Resident Newsletter
- 2017 *My Beautiful Broken Brain* (Featured Article) AAPM&R Resident Newsletter
- 2017 *Aleix Vidal Suffers a Dislocated Ankle* (Guest Author) MDInjuryReport.com

Invited Presentations and Abstracts

Anderson, D., Stearns-Yoder, K., Brenner, L., Forster, J. (2019, March). Recovery in High School Athletes with Multiple Concussions. Presented at: 13th World Congress on Brain Injury, Toronto, CA. *International Brain Injury Association*.

Park, A. **Anderson, D.**, Morse, L.. (2019, February). Active Non-steroidal Anti-inflammatory drug (NSAID) use is associated with reduced CRP and IL-6 levels in chronic spinal cord injury. Puerto Rico, *American Academy of Physiatry*. 2019

Claus D, **Anderson D.** et al. Physical Medicine & Rehabilitation Medical Student Fair Increases Awareness of Specialty. *American Academy of Physiatry*. 2019

Krumenacher, P., **Matel-Anderson, D.**, Chau, A., & Choi, B. (2014, July). Clinical Significance of Coronary Artery Anatomy in Stress Induced Cardiomyopathy. Presented at: 19th World Congress on Heart Disease, Boston, Massachusetts. International Academy of Cardiology.

Chau, A., Krumenacher, P., **Matel-Anderson, D.**, & Choi, B. (2013, July). Types of Mental Stress in Stress Induced Cardiomyopathy. Presented at: 18th World Congress on Heart Disease, Vancouver, Canada. International Congress of Psychosomatic Medicine.

Chau, A., Krumenacher, P., **Matel-Anderson, D.**, & Choi, B. (2013, July). Clinical Significance of Coronary Artery Disease in Stress Induced Cardiomyopathy. Presented at: 18th World Congress on Heart Disease, Vancouver, Canada. International Academy of Cardiology.

Matel-Anderson, D., Chau, A., Krumenacher, P., & Choi, B. (2012, November). Coronary Anatomy and Comorbidities in Stress-Induced Cardiomyopathy. Presented at: American Heart Association, Scientific Sessions, Los Angeles, California. American Heart Association: Circulation.

Matel-Anderson, D., Park, S., & Choi, B. (2011, August). Stress Induced Cardiomyopathy and Possible Mechanism of Somatization. Presented at: The 21st World Congress on Psychosomatic Medicine, Seoul, South Korea. International Congress of Psychosomatic Medicine.

Oral Presentations

- Anderson, D. (2019) University of Colorado, Department of PM&R, Fellow Lecture Series:
Zygapophyseal and Sacroiliac Joint Interventions
Novel Imaging Techniques for Lumbar Anatomy in MRI Sequencing
Anatomy, Imaging, and Common Pain Generating Pathologies of the Spine
- Anderson, D. (2019) University of Colorado, Department of PM&R, Gersten Day Symposium
Active NSAID use is associated with reduced CRP and IL-6 in chronic SCI
- Anderson, D. (2019) Veterans Affairs - Research Rounds
A Primer On Machine Learning Methods for Clinicians and Researchers
- Anderson, D. (2017) University of Colorado, Department of PM&R, Grand Rounds
A Bicycle for the Mind? Utilizing Artificial Intelligence to Study Outcomes in Lumbar Disc Herniation
Supplement Science: Clinical Applications in the Rehabilitation Population
- Anderson, D. (2016) University of Colorado, Department of PM&R, Journal Club Presentations
Placebo Controlled Trial of Amantadine in Traumatic Brain Injury
Intraneural Topography of the Ulnar Nerve at the Wrist and Elbow
Disposition After Acute Rehabilitation
Osseointegration, a Primer on Rehabilitation Strategy
Heterotopic Ossification

Non-Scientific Publications

- 2017 *A Comet's Tale* (Self-published short story) Amazon books
- 2017 *A Vessel on the River's Mouth* (Book of poetry)
- 2014 *Jonas the Watchmaker* (Short Story) *Mother and Child* (Poetry) Auscult
- 2012 *Lithosphere* (Poetry) Abaton
- 2011 *The Bindle* (Poetry) The Second Opinion

Honors and Awards

- 2019 *Senior Resident Impact Award*, University of Colorado
- 2019 *Chief Resident Service Award*, University of Colorado
- 2019 *Humanism & Excellence in Teaching Award*, University of Colorado
- 2019 *AAP Best Paper Award*, Physiatry '19, AAP Program Committee
- 2018 *Gold Humanism Honor Society*, University of Colorado
- 2017 *A Mile Above: Peer Recognition* at Children's Hospital of Colorado
- 2017 *Rehabilitation Humanism Award*, University of Colorado Department of Physical Medicine and Rehabilitation
- 2017 *AAPM&R National Ambassador*, University of Colorado Department of Physical Medicine and Rehabilitation
- 2015 *Gold Humanism Honor Society*, Peer Nomination, Medical College of Wisconsin

Professional Organizations

- 2019 North American Neuromodulation Society (NANS)
- 2017 Association of Academic Physiatrists (AAP), North American Spine Society (NASS)
- 2016 American Academy of Physical Medicine and Rehabilitation (AAPM&R)
- 2016 AAPM&R Member Councils:
Musculoskeletal Medicine, Pain & Neuromuscular Medicine, General & Medical Rehabilitation
- 2010 Association of American Medical Colleges

Quality Improvement & Patient Safety

- 2019 University of Colorado GME Quality & Safety Academy Graduate:
Foundations of Patient Safety
Adverse Events into Quality Improvement
Quality in Academics

Community Service/Volunteer

- 2017 Organized PM&R Fair, University of Colorado School of Medicine
Grant-funding provided from the Association of Academic Physiatrists
- 2017 Ultrasound volunteer, AAPM&R Annual Assembly, Denver, CO
A Practical Guide to Uncommonly-Performed Ultrasound-Guided Peripheral Nerve Blocks for Chronic Pain & Ultrasound Guidance for Upper Limb Chemodenervation Procedures
- 2017 Resident & Medical Student Volunteer Coordinator, RSVP Free Clinic
- 2017 Founding member, Denver Pragmatic Dharma Society
- 2017 Organizer, Inaugural “PM&R Pub Night” for medical student exposure to PM&R
- 2016-2017 Resident Liaison, University of Colorado Medical Student Interest Group
- 2014 Step 1 Preparation Program M3 Tutor, *Medical College of Wisconsin*
- 2010-2014 Intramural Soccer, Saturday Soccer, Breast Cancer 3v3 Tournament,
Medical College of Wisconsin
- 2011-2013 Big Sib/Little Sib Volunteer Program, *Medical College of Wisconsin*
- 2010-2012 Applicant Host Program, *Medical College of Wisconsin*
- 2012 Annual MCW Variety Fest Host, *Medical College of Wisconsin*
- 2011-2012 Pathos Project, Humanities Curriculum *Medical College of Wisconsin*
- 2011 Michael T. Bolger Standing Ovation Awards Host, *Medical College of Wisconsin*
2011
- 2011 MCW Orientation Committee, *Medical College of Wisconsin*
- 2011 Mock Interview Program, *Medical College of Wisconsin*

Other Work Experience

- 2019-2021 Google funded research: Artificial Intelligence and Machine Learning Methods for Spine and Musculoskeletal Disorders
- 2019 Clinical Instructor, *University of Colorado Department of PM&R*

2019 Summit League Tournament, University of Denver D1 Women's Volleyball
2019-2020 ACGME Pain Fellow, *University of Colorado Department of PM&R*
2019-2020 Division 1 Team Physician - University of Denver Athletics (Women's Soccer, Volleyball, Basketball, LaCrosse).
2019-2020 UC Health Broomfield Hospital Inpatient Coverage
2018-2019 Chief Resident, *University of Colorado Department of PM&R*
2018-2019 Clinical Research, ImpACT database to investigate second impact syndrome
2016-2018 Diagnostic Evaluation Services (DES), for vocational rehabilitation, Medicaid, and Supplemental Security Income
2015-2016 Transitional Year Representative, *Wheaton Franciscan St. Joseph's*
2007-2010 Biochemistry Research Lab, P.I. Dr. Julius Adler, *UW-Madison*

Personal Interests

Machine learning & artificial intelligence. Meditation. Value investing. Skiing. Hiking. Soccer.