

CURRICULUM VITAE

Name: Deana Mercer, MD MSCR FAOA

Contact Information: The University of New Mexico, School of Medicine
Department of Orthopaedics & Rehabilitation
MSC10 5600
1 University of New Mexico
Albuquerque, NM 87131-0001
Tel. (505) 414-8815
Fax (505) 272-8098
Email: dmercerc@salud.unm.edu

Academic Employment:

2021 - Current Professor with Tenure, Department of Orthopaedics & Rehabilitation
Shoulder, Elbow, Hand & Microvascular Surgery, The University of New
Mexico, School of Medicine, Albuquerque, NM.

2014 - Current Co-Editor, *Western Journal of Orthopaedics* (externally peer-reviewed)

Prior Academic Employment:

2015 - 2021 Associate Professor, Department of Orthopaedics & Rehabilitation
Shoulder, Elbow, Hand & Microvascular Surgery, The University of New
Mexico, School of Medicine, Albuquerque, NM.

2010 - 2015 Assistant Professor, Department of Orthopaedics & Rehabilitation Shoulder,
Elbow, Hand & Microvascular Surgery, The University of New Mexico
Health Sciences Center, Albuquerque, NM

2014 - 2020 Hand Fellowship Director, Department of Orthopaedics & Rehabilitation
Shoulder, Elbow, Hand & Microvascular Surgery, The University of New
Mexico Health Sciences Center, Albuquerque, NM.

2014 - 2021 Vice-Chair of Research, Department of Orthopaedics & Rehabilitation
Shoulder, Elbow, Hand & Microvascular Surgery, The University of New
Mexico Health Sciences Center, Albuquerque, NM

2011 - 2014 Co Vice-Chair of Research, Department of Orthopaedics & Rehabilitation
Shoulder, Elbow, Hand & Microvascular Surgery, The University of New
Mexico Health Sciences Center, Albuquerque, NM

Licensures:

NM Medical Board
License Number: 2010-0289
Issue Date: 06/01/2010 – 07/01/2023

Washington State Department of Health
License Number: 60002262
Issue Date: 05/14/2008 – 03/13/2025

NM Controlled Substance Registration
License Number: CS00215642
Issue Date: 06/28/2010 – 01/31/2025

DEA Registration
License Number: FM1047756
Issue Date: 09/02/2008 – 01/31/2026

Board Certifications:

- 07/2012 American Board of Orthopaedic Surgeons (ABOS)
Expires: 12/2012
- 05/2014 Research Masters of Science in Clinical Research (MSCR)
- 11/2014 American Board of Orthopaedic Surgeons, Subspecialty of the Hand (SOTH)
Expires: 12/2024
- 10/2015 American Board of Independent Medical Examiners Certification
- 12/2022 American Board of Orthopaedic Surgeons, Subspecialty of the Hand (SOTH)
Expires: 12/2032
- 12/2022 American Board of Orthopaedic Surgeons (ABOS)
Expires: 12/2032

Educational History:

- 12/2012 Research Masters of Science in Clinical Research Distinction. The University of New Mexico, Health Sciences Center Albuquerque, NM.
- 7/2010 Specialty Fellowship II, Orthopaedic Elbow, Hand, & Microvascular Fellowship. Department of Orthopaedics & Rehabilitation, The University of New Mexico, School of Medicine, Albuquerque, NM.
- 7/2009 Specialty Fellowship I, Orthopaedic Shoulder and Elbow Surgery Fellowship. The University of Washington, School of Medicine, Seattle, WA.
- 7/2008 Orthopaedic Residency, Orthopaedics Residency Program. Department of Orthopaedics & Rehabilitation, The University of New Mexico, School of

Medicine Albuquerque, NM.

5/2003 Medical School, Doctor of Medicine. The University of New Mexico, School of Medicine, Albuquerque, NM.

5/1998 Undergraduate, Bachelor of Science, Major Biochemistry & Chemistry, Minor in Molecular Biology, New Mexico State University, Las Cruces, NM.

Memberships in Professional Societies:

2022-Current New Mexico Orthopaedic Society (NMOS)

- 2022-Current: President

2023- American Society for Peripheral Nerve (ASPN)

Current:

- 2023-Current: *Active Member*

2017 American Orthopaedic Association (AOA)

- 2021-Current: NM AOA meeting liaison; meeting location Albuquerque
- 2013-Current: Young Leaders Committee, *Ex-Officio Member*
- 2011-Current: Emerging Leaders Program, *Member*
- 2007-Current: Clinician Scientist Development Program
- 2007-Current: NM Resident Representative: *Resident Leadership Forum*

2017- American Shoulder and Elbow Surgeons (ASES)

Current:

- 2019-Current: *Associate Member*
- 2017-2018: *Candidate Member*

2019- Orthopaedic Trauma Association (OTA)

Current:

- 2019-Current: *Active Member*

2010- American Society for Surgery of the Hand (ASSH)

Current:

- 2022-2025: International Guest Hand Society Committee, *Member*
- 2022: Corporate Advisory Council, *Chair*
- 2017-2021: Corporate Advisory Council, *Co-Chair*
- 2017-Current: Research Committee, *Member*
- 2017-2021: Commercial Support Committee Corporate Advisory Council, *Vice Chair*
- 2015-Current: Commercial Support Committee, *Member*
- 2015-Current: Adrian E. Flatt Residents & Fellows Conference Committee, *Member*
- 2014-2016: Young Leaders Program
- 2012-Current: *Active Member*

- 2010-2012: *Candidate Member*

- 2016-Current American Association for Hand Surgery (AAHS)
- 2023-2026 AAHS Active Membership Committee, *Elected Appointment*
 - 2023-2025 Senior Director at Large, *Board of Directors Appointment*
 - 2022-current Member at Large, *Elected Appointment*
 - 2018-2019: Nominating Committee, *Member*
 - 2016 Member Category

- 2013-Current American Academy of Orthopaedic Surgeons (AAOS)
- 2023-Current: *Medical Student Leadership Program Volunteer*
 - 2013-Current: *Active Fellow*

- 2015-Current: The Association of Bone and Joint Surgeons (ABJS)
- 2015-Current: *Active Member*
 - 2017-Current: Professional Development Committee, *Member*
 - 2018-2019: Nominating Committee
 - Current: CLINICAL ORTHOPAEDICS AND RELATED RESEARCH® BOARD OF TRUSTEES
 - 2020-2021: Secretary-Elect (ex-officio) ABJS Executive Committee

- 2013-Current: Orthopaedic Research Society (ORS)
- 2013-Current: *Active Member*
 - 2016-Current: Women in Leadership Forum, *Chair*

- 2011-Current Southwest Orthopaedic Trauma Association (SWOTA)
- 2016-Present: *President, Coordinator*
 - 2011-2016: *Secretary, Program Chair, Faculty*
 - 2011: *Member*

- 2001-Current Ruth Jackson Orthopaedic Society (RJOS)
- 2001-Current: *Member*
 - 2017-Current: Scientific Committee, *Chair*

- 2010-Current American Medical Association (AMA)
- 2010-Current: *Member*

- 2003-Current Alpha Omega Alpha (ΑΩΑ)
- 2003-Current: *Member*

2015-Current Handemonium

- 2015-Current: Travel Committee

2013-Current International Wrist Investigators Workshop

- 2013-Current: *Member*

Honors:

- 2024 University of New Mexico Orthopaedic Alumni Conference Course Director and Conference Director
- 2023 Techniques in Hand & Upper Extremity Surgery. Two of the most popular articles of the year– “Double Barrel Screw Fixation for Proximal Phalanx Fracture” and “Surgical Management of Acute on Chronic Distal Radius Fractures: Correcting Malunion Deformities Through the Secondary Fracture Plane”
- 2023 Las Cruces Sun - News. “Flipping the Script on Pain Could Help Stem the Opioid Crisis”. Opinion piece published in both the Las Cruces Sun and Yahoo! Sports News
- 2022 UNM Orthopaedics iCare Awards, The UNM Health Sciences Center Albuquerque, NM.
- 2022 UNM School of Medicine iTeach Award
- 2022 *Albuquerque: The Magazine* March 2022: Top Doctors Recognition of Excellence
- 2021 iCare Awards, The UNM Health Sciences Center Albuquerque, NM.
- 2021 Editor’s Spotlight/Take 5: Is Grit Associated with Burnout and Well-being in Orthopaedic Resident and Faculty Physicians? A Multi-institution Longitudinal Study Across Training Levels. Article featured in the September Issue of *Clinical Orthopaedics and Related Research, CORR*.
- 2020 Exemplary Professor Award, The University of New Mexico, Albuquerque, NM.
- 2014 Stellar Consultant Award, UNM Health Sciences Center, Albuquerque, NM.
- 2014 Winkvist Award, 2014 PGY-1 Trauma Skills Course, Southwest Orthopaedic Trauma, Association, Phoenix, AZ.
- 2010 American Society for Surgery of the Hand Resident and Fellow Traveling Scholarship, ASSH and the American Foundation for American Academy of Orthopaedic Surgeons.

- 2008 Department of Orthopaedics Resident Research Award, The University of New Mexico, Albuquerque, NM.
- 2007 Western Orthopaedic Association Resident Research Award.
- 2007 Department of Orthopaedics Resident Research Award, The University of New Mexico, Albuquerque, NM.
- 2006 Western Orthopaedic Association Resident Research Award.
- 2006 Smith & Nephew Residents Research Competition Finalist.
- 2005 Department of Orthopaedics Resident Research Award, The University of New Mexico, Albuquerque, NM.
- 2003 George E. Omer Outstanding Medical Student Award, Department of Orthopaedics, The University of New Mexico, Albuquerque, NM.
- 2003 Research Honors, The University of New Mexico Medical School, Albuquerque, NM.
- 2003 National Institute of Health American Medical Student Association, Biomedical Research Oral Session Honorable Mention

Other Extramural Professional Activities

Peer Reviewer For:

2017 - *Journal of Shoulder and Elbow Surgery*
Current

2014 - *Clinical Orthopaedics and Related Research*
Current

2014 - *American Journal of Sports Medicine*
Current

2014 - *Journal of Hand Surgery*
Current

Oral Examiner For:

2022 *American Board of Orthopaedic Surgery- Chicago, IL- July 2022*

2023 *American Board of Orthopaedic Surgery- Chicago, IL- July/October 2023*

Publications

Book Chapters Authored & Co-Authored:

1. **Mercer D**, Lacovara A, Schenck RC. Acute Fractures and Dislocations in Athletes, in Madden C, Putukian M, Young CC, McCarty EC (Eds): Netter's Sports Medicine. Philadelphia, PA: Saunders Elsevier; pp 445-454; 2010.
2. Cheema T, **Mercer D**. Complex Injuries of the Hand: Extensor tendon injuries. Published by JP Medical Ltd. London, UK: pp129-143. 2013.
3. **Mercer D**, DeMaio MA, Wascher DC, Echols PG, Schenck RC Jr. Teaching as Coaching. In Dougherty P, Joyce B, eds. The Orthopaedic Educator. Basel, Switzerland: Springer International Publishing AG; 61-76; Chapter 4. July 2018.
4. **Mercer D**. Surgical Technique for Trauma and Sports Related Injuries of the Elbow. Chapter on Revision Surgery for the Ulnar Nerve at the Elbow. ISBN 978-3-662-58931-1. 2020.
5. Kathryn Yeager, MD; Allicia O Imada, MD; Jera A Davis, MBA; **Deana Mercer, MD**. Chapter 2 - Osteoarthritis of the Wrist, Primary and Secondary (SLAC/SNAC). AAOS Resident's Curriculum. 2020.

Peer-Review Journal Publications:

1. Moneim MS, Firoozbakhsh K, Mikola EA, **Mercer D**, Larsen K: Flexor tendon repair using shape memory alloy suture. J. Investigative Medicine; 51(1):132; 2003.
2. Cheema TA, Firoozbakhsh K, De Carvalho AF, **Mercer D**. Biomechanic comparison of 3 tendon transfers for supination of the forearm. J Hand Surg Am. 31(10):1640-4 2006 Dec.
3. Milner BF, **Mercer D**, Firoozbakhsh K, Larsen K, Decoster TA, Miller RA. Bicortical screw fixation of distal fibula fractures with a lateral plate: an anatomic and biomechanical study of a new technique. J Foot Ankle Surg. 46(5):341-7. PubMed PMID: 17761318. 2007 Sep-Oct.
4. Decoster TA, **Mercer D**, Hrebickova L. Preparation and Use of Antibiotic-Impregnated Beads for Orthopaedic Infections. Orthopaedic Knowledge Online. Vol 5, Number 3, March 2007.
5. Szalay EA, Harriman D, Eastlund B, **Mercer D**. Quantifying postoperative bone loss in children. J Pediatr Orthop. 28(3):320-3. PubMed PMID: 18362797. Apr-May 2008.
6. **Mercer D**, Fitzpatrick J, Firoozbakhsh K, Carvalho A, Moneim M. Extensor tendon repair with and without central slip reattachment to bone: a biomechanical study. J Hand Surg Am. 34(1):108-11. PubMed PMID: 19081684. 2009 Jan.
7. Saltzman M, **Mercer D**, Bertelsen A, Warne W, Matsen F. Postsurgical chondrolysis of the shoulder. Orthopedics. 32(3):215. PubMed PMID: 19309045. March 2009.
8. Saltzman MD, **Mercer D**, Warne WJ, Bertelsen AL, Matsen FA 3rd. Comparison of patients undergoing primary shoulder arthroplasty before and after the age of fifty. J Bone Joint Surg Am. 92(1):42-7. Jan 2010.
9. Saltzman MD, **Mercer D**, Warne WJ, Bertelsen AL, Matsen FA 3rd. J Shoulder Elbow Surg. A method for documenting the change in center of rotation with reverse total shoulder arthroplasty and its application to a consecutive series of 68 shoulders having reconstruction with one of two different reverse prostheses. 19(7):1028-33.

10. **Mercer D**, Firoozbakhsh K, Prevost M, Mulkey P, DeCoster TA, Schenck RS. Stiffness of knee-spanning external fixation systems for traumatic knee dislocations: A Biomechanical Study. *J Ortho Trauma*. 24(11): 693-6. PMID: 20926960. Nov 2010.
11. **Mercer D**, Salzman MD, Neradilek MB, Gilmer BB, Warne WJ, Matsen III FA. A reproducible and practical method for documenting the position of the humeral head center relative to the scapula on standardized plain radiographs. *J Shoulder Elbow Surg*. 20(3): 363-371. 2010 Oct 18.
12. Afifi AM, Richards A, Medoro A, **Mercer D**, Moneim M. The extensor tendon splitting approach to the proximal interphalangeal joint: do we need to reinsert the central slip? *J Hand Surg Eur Vol*. 35(3):188-91. PMID: 20007416. Mar 2010.
13. **Mercer D**, Chamberlain AM, Saltzman MD, Warne WJ, Bertelsen AL, Matsen FW 3rd. Shoulder hemiarthroplasty with concentric glenoid reaming in patients 55 years old or less. *J Shoulder Elbow Surg*. 20(4):609-15. Epub 2010 Dec 16. 2011 Jun.
14. **Mercer D**, Gilmer BB, Saltzman MD, Bertelsen A, Warner WJ, Matsen FA 3rd. J shoulder Elbow Surg. A quantitative method for determining medial migration of the humeral head after shoulder arthroplasty: preliminary results in assessing glenoid wear at a minimum of two years after hemiarthroplasty with concentric glenoid reaming. 20(2):301-7. 2011 Mar.
15. **Mercer D**, Matthew D. Saltzman, M.D., Winston J. Warne, M.D., and Frederick A. Matsen, III, M.D. Three-Dimensional Position of the Humeral Head Center Relative to the Scapula: *J Shoulder Elbow Surg*; 20, 363-371. 2011.
16. **Mercer D**, Morrell NT, Fitzpatrick J, Silva S, Child Z, Miller R, DeCoster TA. The course of the distal saphenous nerve: a cadaveric investigation and clinical implications. *Iowa Orthop J*. 31:231-5. PMID: 22096447. 2011.
17. Lovald S, **Mercer D**, Hanson J, Cowgill I, Erdman M, Robinson P, Diamond B. Complications and hardware removal after open reduction and internal fixation of humeral fractures. *J Trauma*. 70(5): 1273-7 PMID: 21610440. 2011 May.
18. Salas C, **Mercer D**, DeCoster T, Taha MR. Experimental and probabilistic analysis of distal femoral periprosthetic fracture: a comparison of locking plate and intramedullary nail fixation. Part A: experimental investigation. *Comput Methods Biomech Biomed Engin*. 14(2): 157-64. PMID: 21337222. Feb 2011.
19. Salas C, **Mercer D**, DeCoster TA, Reda Taha MM. Experimental and probabilistic analysis of distal femoral periprosthetic fracture: a comparison of locking plate and intramedullary nail fixation. Part A: experimental investigation. *Comput Methods Biomech Biomed Engin*. 14(2):157-64. Feb 2011.
20. Morrell NT, **Mercer D**, Moneim MS. Trends in the Orthopedic Job Market and the Importance of Fellowship Subspecialty Training. *Orthopedics*, 35(4): e555-60. PMID: 22495859. April 2012.
21. Lovald S, **Mercer D**, Hanson J, Cowgill I, Erdman M, Robinson P, Diamond B. Hardware removal after fracture fixation procedures in the femur. *J Trauma Acute Care Surg*. 72(1): 282-7. PMID: 21926643. Jan 2012.
22. Cheema T, Salas C, Morrell N, Lansing L, Reda Taha MM, **Mercer D**. Opening wedge trapezoidal osteotomy as treatment for early trapeziometacarpal osteoarthritis: a biomechanical investigation of radial subluxation, contact area, and contact pressure. *J Hand Surg Am*. 37(4):699-705. Epub 2012 Mar 3. April 2012.
23. Morrell NT, **Mercer D**, Moneim MS. Late reconstruction of chronic distal biceps tendon ruptures using fascia lata autograft and suture anchor fixation. *Tech Hand Up Extrem Surg*. 16(3):141-4. Sep 2012.

24. Morrell NT, **Mercer D**, Moneim MS. Distal Posterior Interosseous Nerve Palsy Mimicking Extensor Pollicis Longus Tendon Rupture; A Case Report and Review. Accepted at JBJS Case Connector. 2013.
25. Morrell NT, **Mercer D**, Moneim MS. Isolated Distal Posterior Interosseous Nerve Palsy Mimicking Extensor Pollicis Longus Tendon Rupture: A Case Report and Review of the Literature. JBJS Case Connect. 3(3):3e69. Jul 10, 2013.
26. Moneim MS, Morrell NT, **Mercer D**. Partial Trapeziectomy with Capsular Interposition Arthroplasty (PTCI): A Novel Technique for Thumb Basal Joint Arthritis. Tech Hand Up Extrem Surg. 2014. (Epub ahead of print). PMID: 24784170. April 29, 2014.
27. Evans S, Brantley J, Brady C, Salas C, **Mercer D**. Structures at risk during volar percutaneous fixation of scaphoid fractures: a cadaver study. Iowa Orthop J;35:119-23. June 2015.
28. **Mercer D**, Baldwin ED, Moneim MS. Posterior interosseous nerve laceration following elbow arthroscopy. J Hand Surg Am;40(3):624-6. March 2015.
29. **Mercer D**, Salas C, Carlston C, Thompson N, Moneim M. The CMC View: A Comparison of Three Radiographic Views by Eaton-Glickel Classification and Correlation to Clinic Disease Severity. Journal of Wrist Surgery. 04-A010. April 2015.
30. Lam NC, Charles M, **Mercer D**, Soneru C, Dillow J, Jaime F, Petersen TR, Mariano ER. A triple-masked, randomized controlled trial comparing ultrasound-guided brachial plexus and distal peripheral nerve block anesthesia for outpatient hand surgery. Anesthesia Res Pract. 2014; 2014:324083. Epub 2014. PubMed PMID: 24839439; PubMed Central PMCID: PMC4009248. April 15, 2014.
31. Kimsal J, **Mercer D**, Schenck R, DeCoster TA, Bozorgnia S, Fitzpatrick J, Mlady G, Lerma J, Khraishi T. Finite element analysis of plate-screw systems used in medial opening wedge proximal tibial osteotomies. Int. J. Biomedical Engineering and Technology, Vol 19, No. 2, pp 154-68. 2015.
32. Leggott KT, Martin M, Sklar D, Helitzer D, Rosett R, Crandall C, Vagh F, **Mercer D**. Transformation of anesthesia for ambulatory orthopedic surgery: A mixed-methods study of a diffusion of innovation in healthcare. The Journal of Delivery Science and Innovation. HSDSI-D-15-0007R1. Online October 2015.
33. Hageman MG, Jayakumar P, King JD, Guitton TG, Doornberg JN, Ring D, **Mercer D**; Science of Variation Group. The factors influencing the decision making of operative treatment for proximal humeral fractures. J Shoulder Elbow Surg. 24(1):e21-6. Jan 2015.
34. **Mercer D**, Baldwin ED, Moneim MS. Posterior interosseous nerve laceration following elbow arthroscopy. J Hand Surg Am. 40(3):624-6. doi: 10.1016/j.jhsa.2014.05.036. Epub 2015 Feb 1. Review. March 2015.
35. Kimsal J, **Mercer D**, Schenck R, DeCoster T, Bozorgnia S, Fitzpatrick J, Mlady G, Lerma J, Khraishi T. Finite Element Analysis of Palte-Screw Systems used in the Medial Opening Wedge Proximal Tibial Osteotomies. International Journal of Biomedical Engineering and Technology. 2015.
36. Evans S, Brantley J, Brady C, Salas C, **Mercer D**. Structures at Risk During Volar Percutaneous Fixation of Scaphoid Fractures: A Cadaver Study. Iowa Orthop J. 35:119-23. 2015.
37. Pourkand A, Salas C, Regalado J, Bhakta K, Tufaro R, **Mercer D**, Grow D. Objective Evaluation of Motor Skills for Orthopaedic Residents Using a Motion Tracking Drill System. Iowa Orthop J; 36:13-9. June 2016.
38. Leggott KT, Martin M, Sklar D, Helitzer D, Rosett R, Crandall C, Vagh F, **Mercer D**. Transformation of anesthesia for ambulatory orthopedic surgery: A mixed-methods study of a

diffusion of innovation in healthcare. *Healthc (Amst)*. 2016 Sep;4(3):181-7. doi: 10.1016/j.hjdsi.2015.09.003. Epub 2015 Oct 2. Sept 2016.

39. **Mercer D**, Salas C, Morrell N, Stewart D, McClellan W, Moneim M. Short- and long-term results of partial trapeziectomy with capsular interposition arthroplasty to treat thumb carpometacarpal osteoarthritis. *J Hand Surg Eur Vol*. 2016.
40. Saltzman MD, **Mercer D**, Bertelsen A, Warme WJ, Matsen FA 3rd. Bilateral Posterior Sternoclavicular Dislocations. *Radiol Case Rep*. 4(1):256. eCollection 2009. Oct 4, 2016.
41. Salas C, **Mercer D**, O'Mahony G, Love J, LaBlaze D, Moneim MS. Thumb metacarpal subsidence after partial trapeziectomy with capsular interposition arthroplasty: a biomechanical study. *J. Hand Surg*. 2016
42. Salas C, Nery S, Hamilton A, Pourkand A, **Mercer D**, Grow D. "Smart" surgical instruments: pedicle probe for resident motor skills training and evaluation. Abstract presented at: ORS 2017 Annual Meeting; San Diego, California. March 19-22, 2017.
43. Salas C, Brantley JA, Clark J, Reda Taha MM, **Mercer D**, Myers O. Damage in a Distal Radius Fracture Model Treated with Locked Volar Plating after Simulated Postoperative Loading. *J Hand Surg Am*. In Press. 2018.
44. Moneim MS, Salas C, Lese AB, Thompson NB, **Mercer D**. Long-term outcomes after partial trapeziectomy with capsular interposition arthroplasty for treating osteoarthritis of the thumb basal joint. *Orthopedics*. 2018.
45. Eberly L, Richter D, Comerci G, Ocksrider J, **Mercer D**, Mlady G, Wascher D, Schenck R. Psychosocial and demographic factors influencing pain scores of patients with knee osteoarthritis. *PLoS One eCollection* July 2018.
46. Zamani N, Pourkand A, Salas C, **Mercer D**, Grow D. A Novel Approach for Assessing and Training the Drilling Skills of Orthopaedic Surgeons. *J Bone Joint Surg Am*. Aug 21;101(16):e82. 2019.
47. Aditi Majumdar, William Chavez, Jacob Valdez, Tony Sapradi, Christina Salas, **Deana Mercer**, Christopher Bankhead, Dustin Richter. "Unicortical Versus Bicortical Button Fixation For Distal Biceps Brachii Tendon Rupture: A Cadaveric Biomechanical Study. *Orthopaedic Journal of Sports Medicine*. July 29,2019.
48. Aubin-Lemay, Camille and **Deana Mercer**. "Intraoperative Finding of Flexor Carpi Radialis Avulsion During Closed Distal Radius Fracture: A Case Report." *UNM Orthopaedic Research Journal* 8, 1 (2019).
49. Love, Bridgette M.; **Deana Mercer**; Amber West; Karen S. SantaCruz; and Elizabeth A. Mikola. "Diagnosis of Leprosy Using Sural Nerve Biopsy Findings: A Case Report." *UNM Orthopaedic Research Journal* 8, 1 (2019).
50. Hyden, Andrew M.; Christopher A. McGrew; and **Deana Mercer**. "Fracture of the Ulnar Sesamoid Bone in the Thumb of a Collegiate Basketball Player: A Case Report." *UNM Orthopaedic Research Journal* 8, 1 (2019).
51. Khalsa, Sirikrishna K.; Camille Aubin-Lemay; and **Deana Mercer**. "Technique of Proximal Pole Scaphoid Fracture Fixation Using a Retrograde Pin Placement but Antegrade Screw Placement: A Case Example." *UNM Orthopaedic Research Journal* 8, 1 (2019).
52. Moneim M, Aubin-Lemay C, Anderson M, **Mercer D**. Long-term outcomes of delayed scapholunate ligament repair following complete rupture of the ligament: a 9.4-year follow-up. *HAND (European)*. 2020.
53. Alliston T, Foucher KC, Frederick B, Hernandez CJ, Iatridis JC, Kozloff KM, Lewis KJ, **Mercer D**, Ochia R, Queen RM, Romnac CM, Meulen van der M, Westendord JJ. The Importance of Diversity, Equity, and Inclusion in the Orthopaedics Research Society. 2020.

54. Hoekzema N, Gray R, Orbay J, Rubio F, Vernon L, Imada, A, **Mercer D**. Intraoperative Radiographic Method of Locating the Radial Head Safe Zone: The Bicipital Tuberosity View. *Journal of Shoulder and Elbow Surgery*. 2020.
55. Aubin-Lemay C, Ran H, **Mercer D**. Pronator Quadratus Rotational Muscle Flap Technique for Coverage of Hardware After Distal Radius ORIF. *Western Journal of Orthopaedics*. 2020.
56. Wharton M, Su M, Brett M, Femling J, Kennedy K, Chafey D, Wells A, Schenck R, **Mercer D**. COVID-19: The New Mexico Experience and Background. *Western Journal of Orthopaedics*. 2020.
57. Salas C, Neher Leslie, Romero J, Aubin-Lemay C, Ran H, Larson D, **Mercer D**. Quantifying Coverage of a Distal Radius Volar Plate Using a Novel Pronator Quadratus Rotational Muscle Flap Technique. *Western Journal of Orthopaedics*. 2020.
58. **Mercer, D**. Article Title - Evidence-Based Approach to Timing of Nerve Surgery: A Review. 2021.
59. Imada AO, **Mercer D**. Seven Deadly Sins of distal radius fracture fixation. *Western Journal of Orthopaedics*. 2021.
60. Imada AO, McDonald C, **Mercer D**. Distal radial shaft malunion and distal radioulnar joint instability 8 years after postoperative plate failure: a case report. *Western Journal of Orthopaedics*. 2021.
61. Brady JM, Bray A, Kim P, Schneider B, Lippe J, **Mercer D**, Sutton K. Female Residents Give Themselves Lower Scores Than Male Colleagues and Faculty Evaluators on ACGME Milestones. *J Surg Educ*. Aug 2021.
62. Orbay J, Vernon L, Poirier S, Morales V, Cambo R, **Mercer D**. Effect of Ulnar Head Offset on Distal Radioulnar Joint Stability. *J Hand Surg Am*. Sep 2021.
63. MacKay BJ, Cox CT, Valerio IL, Greenberg JA, Buncke GM, Evans PJ, **Mercer DM**, McKee DM, Ducic I. Evidence-Based Approach to Timing of Nerve Surgery: A Review. *Ann Plast Surg*. Sep 2021.
64. Majumdar, A., Salas, C., Chavez, W., Bankhead, C., Sapradit, T. J., Mercer, D., Wascher, D. C., & Richter, D. L. (2021). No Significant Difference Between Intramedullary and Extramedullary Button Fixation for Distal Biceps Brachii Tendon Rupture After Cyclic Loading in a Cadaver Model. *Arthroscopy, sports medicine, and rehabilitation*, 3(3), e807–e813.
65. Rush MN, Salas C, Mottishaw L, Fountain D, **Mercer D**. Additive Manufacturing: The Next Generation of Scapholunate Ligament Reconstruction. *J. Wrist Surgery; Special Review Article*. 2021 April.
66. Moneim MS, Aubin-Lemay C, Anderson MS, **Mercer D**. Long-term Outcomes of Delayed Scapholunate Ligament Repair After Complete Rupture of the Ligament. *J. Orthopedics*; 44(3): e446-453. 2021 May-June.
67. Orbay J, Vernon L, Gibson K, Lacau G, **Mercer D**, Hoekzema N. Mitigation of Triceps Avulsion Fractures following Proximal Ulna Plate Fixation. *J. Orthopaedic Trauma*. 2021.
68. Lee DH, Reasoner K, Lee D, Davidson C, Pennings JS, Blazar PE, Frick SL, Kelly AM, LaPorte DM, Lese AB, **Mercer DM**, Ring D, Salazar DH, Scharschmidt TJ, Snoddy MC, Strauch RJ, Tuohy CJ, Wongworawat MD. Is Grit Associated with Burnout and Well-being in Orthopaedic Resident and Faculty Physicians? A Multi-institution Longitudinal Study Across Training Levels. *Clin Orthop Relat Res*. December 2021.
69. Imada AO, Oloyede SF, **Mercer D**. The Extended Flexor Carpi Radialis Approach. *J. Orthopaedic Trauma*. September 2021 - Volume 35 – Issue – p s1-s5. doi: 10.1097/BOT.0000000000002207
70. **Mercer, D.**, Rubio, F., Bolano, L., Figueroa, J.S., Bamberger, B., Gonzales, G. "The importance of restoring forearm kinematics in radial head arthroplasty: a retrospective multi-center study". *Journal of Shoulder and Elbow Surgery*. October 2021.

71. Mihra S. Taljanovic, Imran M Omar, Jennifer S Weaver, Jennifer L Becker, **Deana M Mercer**, Giles W Beck. Post-treatment imaging of the wrist and hand – update 2022. *Seminars in Musculoskeletal Radiology*. January 2022.
72. Heifner JJ, Rubio F, Gray RR, Hoekzema NA, **Mercer D**. "Double barrel screw fixation for proximal phalanx fracture". *Techniques In Hand and Upper Extremity Surgery*. March 2022.
73. **Deana M. Mercer**, Luis E.Bolano, Francisco Rubio, Brent Bamberger, Jose Santiago Figueroa, Gilberto A.Gonzalez. A radial head prosthesis that aligns with the forearm axis of rotation: a retrospective multi-center study. *JSES: Seminars in Arthroplasty*. March 2022.
74. Robert Gray, Nathan Hoekzema, John Heifner, Kelly Scott, Francisco Rubio, Natasha Dark, Alicia Imada, **Deana Mercer**. Avoiding Articular Breakthrough in Screw Fixation of Radial Head Fractures. *Journal of Shoulder and Elbow Surgery International*. doi: 10.1053. April 2022.
75. Heifner J; Halpern, A.; Wahood, M.; **Mercer D**; Orbay, J. Appropriately matched fixed angle locking plates improve stability in volar distal radius fixation. *J. Hand Surgery Global Online*. April 2022
76. Alex Telis, MD, MS; Rachel Tufaro, BS; Dustin Larson, MD; **Deana Mercer, MD**; Christina Salas, PhD. The H-taping method for prophylactic or temporary treatment of partial A2 pulley tears during rock climbing: a biomechanical study. *HAND*. May 2022.
77. Orbay, J.; Wahood, M.; Vernon, L.; **Mercer, D**. Surgical Management of Acute on Chronic Distal Radius Fractures: Correcting Malunion Deformities Through the Secondary Fracture Plane. *Techniques in Hand & Upper Extremity Surgery*: May 02, 2022 - Volume - Issue - 10.1097/BTH.0000000000000395. May 2022
78. Dahlberg, Ryan MD; Mikola, Elizabeth MD; **Mercer, Deana MD**; Moneim, Moheb S. MD, FRSCS. Simultaneous Limited Incision Carpal Tunnel Release and Flexor Digitorum Superficialis Opponensplasty Using a Transverse Carpal Ligament Pulley: Surgical Technique and Case Series. *Techniques in Hand & Upper Extremity Surgery*. June 06, 2022 doi: 10.1097/BTH.0000000000000401
79. Heifner J; Halpern, A.; Wahood, M.; **Mercer D**; Orbay, J. Acute on Chronic Distal Radius Fracture: A Case Series and Technique Description. *J. Hand Surgery Global Online*. September 2022
80. Yeager, K., **Mercer, D.**, Vernon, L., Hoekzema, N., Gray, R., Rubio, F., Orbay, J. Flexor Carpi Radialis Tendon Insertion onto the Trapezial Ridge: An Anatomic Description. *J. Hand Surgery Global Online*. September 2022
81. Heifner, J; Dones, A; Wells, L; **Mercer, D**. The comparative performance of radial head prostheses in patients younger than and older than 50 years: a systematic review. *J. Shoulder Elbow Surg* September 2022
82. Heifner JJ, McIver ND, Salas C, **Mercer DM**. A Volar Locking Plate with Fossa Specific Fixation Provides Comparable Stability Between Articular and Nonarticular Cadaveric Models of Distal Radius Fracture [published online ahead of print, 2022 Sep 27]. *Hand (N Y)*. 2022;15589447221122825. doi:10.1177/15589447221122825
83. Yeager K, Heifner J, Rubio F, Gray R, Orbay J, **Mercer D**. Flexor Carpi Radialis Tendon Insertion onto the Trapezial Ridge: An Anatomic Description. *J Hand Surg Glob Online*. 2022;5(1):55-57. Published 2022 Nov 16. doi:10.1016/j.jhsg.2022.09.007
84. Heifner, J; Halpern A; Zavurov, G; **Mercer. D**. Novel descriptions of the radial osteotomy in Kienböck's disease: A systematic review. *H. Hand Surgery Global Online*. January 2023
85. Heifner, John; Kolovich, Greg P.; Bolano, Luis E.; Sibley, Paul A.; Gonzalez, Gilberto A.; **Mercer, Deana M**. Revision of failed radial head arthroplasty. *HAND*. January 2023
86. Salas, C; Brantley, J; **Mercer, D**; Gross, Jessica; Scott, Kelly; Mikola, E. Mini All-Suture Anchors for Repairing the Central Slip of the Extensor Tendon at the Proximal Interphalangeal Joint: A Biomechanical Investigation. *The Journal of Hand Surgery*. 2023; Published 2023 Mar 3 doi:10.1016/j.jhsa.2023.01.005

87. Heifner, J; Halpern A; Gomez O; **Mercer. D**; Orbay, J. Evaluating the Distal Extent of Visualization in Volar Approaches for Distal Radius Fracture Fixation. *The Journal of Hand Surgery*. 2023; Published 2023 Apr.
88. Heifner, John; Mercer, Deana; “A Medial Approach that Provides Ample Exposure of the Coronoid for Fracture Management” *Techniques in Hand and Upper Extremity Surgery* THUES-23-12R2; Published June 2023

Future Publications:

89. “A Systematic Review and Meta-Analysis of Nerve Gap Repair: Comparative Effectiveness of Allografts, Autografts, and Conduits”, by Jonathan Lans, MD, PhD; Kyle Eberlin, MD; Peter J. Evans, MD, PhD; **Deana Mercer, MD**; Jeffrey A. Greenberg, MD; Joseph F. Styron, MD, PhD. *Plastic and Reconstructive Surgery Advance Online Article*
doi: 10.1097/PRS.00000000000010088. May 2023.
90. "Simultaneous Limited Incision Carpal Tunnel Release and Flexor Digitorum Superficialis Opponensplasty Using a Transverse Carpal Ligament Pulley. Surgical Technique and Case Series." (the "Work"), by Dr Moheb Moneim, to *Techniques in Hand and Upper Extremity Surgery*. 2022.
91. **Mercer, D.**, Heifner, J., Chafey, D., MacKay, BJ. “Processed nerve allograft reconstruction” *Journal of the American Academy of Orthopaedic Surgery*. 2022.
92. Heifner, J., Rivera, A.E., Wells, A.L., Reb, C.W., **Mercer, D.** Osteosynthesis and radial head arthroplasty achieve comparable and favorable results in terrible triad injury: a systematic review using propensity score matching. *Journal of Shoulder and Elbow Surgery*. 2021

Other Publications:

1. Saltzman MD, **Mercer DM**, Bertelsen A, Warme WJ, Matsen FA. Bilateral Posterior Sternoclavicular Dislocations. *Radiology Case Reports*, Vol 4, No 1.
<http://radiology.casereports.net/index.php/rcr/article/view/256/576>. 2009.
2. DeCoster TA, Schenck R, Wascher D, Richter D, **Mercer D**. Evolution of the Management of the Dislocated Knee: A Trauma Perspective. *UNM Orthopaedics Research Journal*. Vol 1: 55-58. Jun 2012.
3. DeCoster, TA, **Mercer D**, Baldwin E. Comparison of the Accuracy of X-ray, 2D-CT, 3D-CT, and Physical Modeling in Classification of Fractures about the Elbow Needing Operative Treatment. *UNM Orthopaedics Research Journal*. Vol 1: 22-25. June 2012.
4. Moneim M, **Mercer D**. Dorsal Intercarpal Ligament Instability Deformity Following Resection Arthroplasty of the Scaphotrapezotrapezoidal Joint. *UNM Orthopaedics Research Journal*. Case Report. Vol II:50-51. June 2013.
5. **Mercer D**, Martin M, Sklar D, Leggott K, Rosett R. Regional anesthesia in outpatient surgery. *UNM Orthopaedics Research Journal*. June 2014.
6. Gavin K, Blocklage T, Chafey D, **Mercer D**. Chondroblastoma of the Humeral Epiphysis in a 15-year-old Female. *UNM Orthopaedics Research Journal*, Vol III:59-62. 2014.
7. **Mercer D**, Moneim M. Anatomy Primer of the Wrist Ligaments. *UNM Orthopaedics Research Journal*, Vol III:46-48. 2014.
8. **Mercer D**, Bolton J, Schenck RC. Disruptive Physician Behavior from an Emerging Leader Perspective. *AOA News*. Spring 2015.
9. **Mercer D. Mentorship** is the Key. *ASSH Correspondence Newsletter*. July 2015.

10. Salas C, Newhoff DK, Cheema Z, Richards AA, **Mercer DM**, Medoro AK, Afifi AM, Moneim MS, Vietch JM. Third extensor compartment disruption and the biomechanics of thumb extension. *Univ N M Orthop Res J*; 4:35-8. 2015 Jun.
11. Pourkand A, Salas C, **Mercer DM**, Grow DI. Motion-tracking drill system using a haptic device for evaluating and training motor skills of orthopaedic resident physicians outside the operating room: a pilot study. *Univ N M Orthop Res J*; 4:29-31. 2015 Jun.
12. Cheema Z, Huff NE, **Mercer DM**. Nonunion after hybrid plating with locking and nonlocking screws in radius and ulna shaft fractures: report of two cases. *Univ N M Orthop Res J*; 4:39-41. Jun 2015.
13. Lese AB, Mikola EA, **Mercer DM**. Severe ischemia of the finger after use of compressive self-adherent wrap: report of two cases. *Univ N M Orthop Res J*; 4:45-7. 2015 Jun.
14. Payne BK, Logue ME, Silva SR, **Mercer DM**. Spare-parts technique for concurrent treatment of ectrodactyly of the feet and syndactyly of the hands in a 2-year-old boy: a case report. *Univ N M Orthop Res J*; 5:84-6. 2016.
15. Bodmer DZ, Loker KM, **Mercer DM**. Simultaneous dislocation of both interphalangeal joints in the same digit of a 56-year-old woman with workers' compensation: a case report. *Univ N M Orthop Res J*; 5:69-71. 2016.
16. Avila JA, Parnall TH, Charley EL, Mercer LN, Mikola EA, **Mercer DM**. Postoperative complications in patients with trapeziometacarpal joint osteoarthritis treated with carpometacarpal arthroplasty: report of two cases. *Univ N M Orthop Res J*; 5:62-5. 2016.
17. Eberly LA, Richter DL, Comerci GD, **Mercer DM**, Mlady GW, Wascher DC, Schenck RC. Psychosocial and demographic factors influencing pain scores of patients with knee osteoarthritis. *Univ N M Orthop Res J*; 5:40-6. 2016.
18. Smith KJ, Coss SR, **Mercer DM**, Salas C, Grow DI. Design of a robotic apparatus for simulated motion of the human hand. *Univ NM Orthop Res J*; 5:56-8. 2016.
19. Mercer, Deana. "Efficient Surgical Technique in Identification of Posterior Interosseous Nerve During Proximal Radial Exposure" – American Society for Surgery of the Hand (ASSH) Hand.e Video Theater abstract proposal VT0105; March 3, 2023
20. Gray, Robert; **Mercer, Deana**; Hoekzema, Nathan. "Reliably Finding the Posterior Interosseous Nerve in the Lateral Approach to the Elbow" – American Society for Surgery of the Hand (ASSH) Hand.e Video Theater abstract proposal VT0038; March 3, 2023.

Journal Publications in Review / Preparation:

1. Salas C, Carlston C, Dexter J, Taha MR, Orbay J, **Mercer D**. High-Resolution Kinematic Analyses of the thumb Carpometacarpal Joint in Lateral Pinch and Grip. *The Journal of Hand Surgery*. *In review*
2. Salas C, Brantley J, Baldwin E, Carlston C, Reda Taha M, **Mercer D**. Mechanical properties of the thumb carpometacarpal joint ligaments and their correlation to joint stability. *J Biomech*. *In preparation*.
3. Salas C, Brantley J, Baldwin E, Carlston C, Reda Taha M, **Mercer D**. Patient-specific finite element models of the thumb carpometacarpal joint: The effects of ligamentous laxity on joint contact pressure and stability. *Ann Biomed Eng*. *In preparation*.

4. Race and Ethnicity Related Prevalence of Obesity in Children with Distal Radius Fractures. J Pediatr Orthop. Avila J and **Mercer D.** Preparing for submission. 2019. *In preparation.*

Current Grant and Contract Funding:

Project Title Midrange Capacity Mechanical Load Frame for Soft-Tissue and 3D Bioprinted Scaffold Characterization.

PI Name/Co-investigator PI: Dustin Richter
CI: Deana Mercer

Effective Dates July 2019 - July 2020

Funding Amount \$18,000 for equipment

Funding Organization UNM Health Sciences Center

Project Title Unicortical versus bicortical button fixation for distal biceps rupture: A cadaveric biomechanical study.

PI Name Dustin Richter

Effective Dates September 2017 - September 2018

Funding Amount \$13,000 in materials

Funding Organization Arthrex

Project Title ‘Smart’ surgical instruments for evaluation and training of surgical skills for residents in The University of New Mexico (UNM) Graduate Medical Education Program.

PI Name/Co-investigator PI: Christina Salas
CI: Deana Mercer

Effective Dates August 2017 - August 2019

Funding Amount \$9,000

Funding Organization Scholarship in Education Allocations Committee

Past Grant and Contract Funding:

Project Title Biomechanical evaluation of structures responsible for thumb basal joint stability.

PI Name Deana Mercer, MD

Effective Dates December 2012 - December 2013

Funding Amount \$17,423

Funding Organization CTSC Pilot Grant

Invited Lectures

International

1. **Mercer, D.** Advanced Techniques in Peripheral Nerve Surgery: Cadaveric Masterclass 2023. Labs: Nerve Injuries & Neuropathic Pain. Global Nerve Foundation ESSER Masterclass. Bristol, UK. February 15-18, 2023.
2. **Mercer D, Heifner J.** The size of volar locking plates – does it matter?; The comparative fixation strength of a fossa specific volar locking plate in extra-articular and intra-articular models of distal radius fractures; Restoring forearm kinetics in revision radial head arthroplasty; Osteosynthesis and radial head arthroplasty achieve comparable and favorable results in terrible triad injury: a systematic review using propensity score matching; The importance of restoring forearm kinematics in radial head arthroplasty: a retrospective multi-center study. International Federation of Societies for Surgeries of the Hand (IFSSH). London, UK. June 6-10, 2022.
3. **Mercer D, Orbay JL.** Fractures of the Wrist & Forearm. Skeletal Dynamics Symposium. International Federation of Societies for Surgeries of the Hand (IFSSH). London, UK. June 6-10, 2022.
4. **Mercer D.** Appropriately Matched Fixed Angle Locking Plates Improve Stability in volar distal radius fixation. Podium Presentation at the 2022 Association for Bone and Joint Surgery 74th Annual Meeting. Venice, Italy. June 1-5, 2022.
5. **Mercer, D.** Advances and Best Practices in Upper Extremity Nerve Repair. Canadian Surgical Technologies & Advanced Robotics; London, Canada; November 14-November 16, 2019.
6. **Mercer, D.** Nerve Conduits. Romanian Society for Surgery of the Hand and American Association for Hand Surgery Pre-Congress Course. Cluj-Napoca, Romania. April 27, 2017.

7. **Mercer, D.** Volar Plating of Distal Radius Fractures: When and How? Romanian Society for Surgery of the Hand and American Association for Hand Surgery Pre-Congress Course. Cluj-Napoca, Romania. April 27, 2017.
8. **Mercer, D.** Flexor Tendon Repair and Reconstruction. Romanian Society for Surgery of the Hand and American Association for Hand Surgery Pre-Congress Course. Cluj-Napoca, Romania. April 27, 2017.
9. **Mercer, D.** Mirror Hand Reconstruction. Romanian Society for Surgery of the Hand and American Association for Hand Surgery Pre-Congress Course. Cluj-Napoca, Romania. April 27, 2017.
10. **Mercer, D.** My Favorite Tricks for Scaphoid Fractures. Romanian Society for Surgery of the Hand and American Association for Hand Surgery Pre-Congress Course. Cluj-Napoca, Romania. April 26, 2017.
11. **Mercer, D.** 2011 Annual Scientific Meeting American Academy of Hand Surgeons and American Society for Peripheral Nerve. Simulated osteotomy of the trapezium reduces radial subluxation and improves contact pressure distribution across the thumb carpometacarpal joint in lateral pinch. Cancun, Mexico. January 1, 2011.
12. **Mercer, D.** Clinician Scientist Development Program. American Orthopaedic Association. Quebec, Canada. 2008.
13. **Mercer, D.** Management of the central extensor tendon on the surgical approach for exposure of the proximal interphalangeal joint: a biomechanical study. American Orthopaedic Association. Quebec, Canada. 2008.
14. **Mercer, D.** Management of the central extensor tendon on the surgical approach for exposure of the proximal interphalangeal joint: a biomechanical study. Biomechanical comparison of three tendon transfers for supination of the forearm. Flexor digitorum profundus repair to bone: a biomechanical comparison of three fixation techniques. International Federation of Societies for Surgery of the Hand. 2007.

National

1. **Mercer, D.** 75th Annual Meeting for the Association for Bone and Joint Surgeons 2023. Podium presentation ABJS. "Distal Radius Fractures: A Retrospective Review on a Decade of Experience and Evolution of the Extended Flexor Carpi Radialis Approach". Seattle, WA. July 13, 2023

2. **Mercer, D.** American Orthopaedic Association 2023 Annual Leadership Meeting. Salt Lake City, UT. Grand America Hotel. Symposium 3: Providing Equitable Care “Maintaining the Balance Sheet and Bottom Line” June 16, 2023.
3. **Mercer, D.** University of Washington. “Complex Elbow” - Distal Radius Lecture. Seattle, WA. April 26, 2023
4. **Mercer, D.** Riverside University Health System. The Extended FCR Approach – The Surgical Exposure to the Distal Radius. March 20, 2023
5. **Mercer, D.** University of California at Irvine. Grand Rounds Course. Irvine, CA. March 15, 2023.
6. **Mercer, D.** RIOS Medical Student Chapter Kick-off Event Panelist, Northeast Ohio Medical University. February 28, 2023
7. **Mercer D.** The Advances in Understanding the Upper Extremity– The Interosseous Ligament Complex. The FORUM Annual Meeting. Jacksonville, FL. January 14, 2023.
8. **Mercer, D.** Kleinart Lab. Nerve Lab: Resident and Fellow Nerve Course. Louisville, KY. November 17, 2022
9. **Mercer D.** The Advances in the Treatment of Hand Fractures. Marsh Field Medical Center. Marsh Field, WI. June 15, 2022.
10. **Mercer D.** The Anatomy and Advantages of the Extended FCR Approach. Skeletal Dynamics Summit Series. Austin, TX. May 13-15, 2022.
11. **Mercer D.** Case Presentation. Axogen Masterminds of the Nerve Series Part 1. Via Zoom. April 26, 2022.
12. **Mercer D.** The Anatomy and Advantages of the Extended FCR Approach; Lunch with Distal Radius Fireside Case Presentations. Skeletal Dynamics Summit Fellows Series. Miami, FL. April 8-10, 2022.
13. **Mercer D.** Assessing Tension Across the Repair Site; Protecting the Nerve from a Hostile Environment; RSN Neuroma In-continuity Management; Case Studies & Evidence in Mixed and Motor Nerve Gaps. Best Practices in Nerve Repair: Fellows Edition- Hosted by Dr. Steve K. Lee. New York, NY. April 1-2, 2022.
14. **Mercer D.** When to Go Dorsal?; Lunch with Distal Radius Fireside Case Presentations; Ulnar Head Fracture Management; Lunch with Radial Head and IJS Fireside Case Presentations: Dorsal Column Fixation of the Distal Radius. Spanish Summit. Miami FL. March 10-12, 2022

15. **Mercer D.** Scaphoid Nonunions: Current Best Practices and Treatment. ICL Presentation (Lead Presenter) at the AAOS 2022 Annual Meeting. Chicago, IL. March 22, 2022.
16. **Mercer D.** Unique Cases from Around the World. Hand Foundation's Renaissance of the Hand Meeting. Philadelphia PA. March 7, 2022.
17. **Mercer D.** Designing a Scapho-lunate Ligament. Hand Foundation's Renaissance of the Hand Meeting. Philadelphia PA. March 5, 2022.
18. **Mercer D.** ASSH Specialty Day Panel Speaker: CMC Osteoarthritis-Treatment and Rehabilitation. ASSH 2022 Specialty Day. Via Zoom. January 29, 2022.
19. **Mercer D.** Evaluation of Axonal and Myelin Debris Phagocytosis in the Distal Injured Nerve Stumps Surrounded by Small Intestinal Submucosa or Cross-Linked Collagen. Podium Presentation at the American Society for Peripheral Nerve (ASPN) 2022 Annual Meeting. Carlsbad, CA. January 14, 2022.
20. **Mercer D.** AAHS 2022 Panel Speaker: Changes in Finance and Government. AAHS 2022 Annual Meeting. Carlsbad, CA. January 13, 2022.
21. **Mercer D.** Fracture Conference #AroundTheBones Speaker: Proximal Humerus Trauma. Via Zoom. December 10, 2022.
22. **Mercer D.** Rubio F. Orbay J. ASSH Presentation: Understanding the Interosseous Ligament Complex. ASSH 2021 Annual Meeting. San Francisco, CA. September 2021.
23. **Mercer D.** IWIW Presentation: Plate Width in the Treatment of Distal Radius Fractures – Does it Matter? IWIW 2021 Annual Meeting. Presented via ZOOM. September 2021.
24. **Mercer D.** Guest Speaker at the 2021 San Francisco Fellows Program. San Francisco, CA. September 2021
25. **Mercer D.** Guest Speaker on Nerve Repair for Orthopedic Principles, via ZOOM. August 2021
26. **Mercer, D.** Trauma Laboratory Demonstration Series: Hosted by Skeletal Dynamics. Miami, FL. August 2021

27. **Mercer, D.** Presenter at the Skeletal Dynamics Resident Upper Extremity Course: Hosted by Skeletal Dynamics. August 2021
28. **Mercer D.** Masterminds of the Nerve Part: 5- Lecture Series. Virtual Case Presentation on Nerve Repair. August 2021
29. **Mercer D.** University of New Mexico Hand Club. Talk presented at the 2021 ASSH Annual Meeting: San Francisco, CA 2021
30. **Mercer D.** Yale Orthopaedics Grand Rounds. Talk presented via Zoom: New Haven, Connecticut 2021
31. **Mercer D.** Severe, simple and complex elbow instability. Skeletal Dynamics Summit Fellows Series. Miami, FL. April 8-10, 2022.
32. **Mercer D.** Distal radius fractures. Talk presented via Zoom: San Antonio, Texas 2020
33. **Mercer D.** ASSH; A/B Comparison: Ulnar Shortening Osteotomy. Via ZOOM October 1, 2020
34. **Mercer D.** ASSH; A/B Comparison: Headless Compression Screws. Via ZOOM October 1, 2020
35. **Mercer D.** Complex Elbow. Distal radius fractures tips and tricks. [Honorary Speaker]. Talk presented at: 2019 William J. Mills All Alaska Orthopedic Conference; March 1-3, 2019; Girdwood, AL. March 1, 2019, to March 3, 2019.
36. **Mercer D.** Complex Elbow. Terrible triad. [Honorary Speaker]. Talk presented at: 2019 William J. Mills All Alaska Orthopedic Conference; March 1-3, 2019; Girdwood, AL. March 1, 2019, to March 3, 2019.
37. Jasmin Regalado, Darielys Mejias-Morales, Fermin Prieto, Kavita Vakharia, **Deana Mercer.** Low-profile mesh plating as an alternative to tension-band wiring of transverse olecranon fracture: a biomechanical evaluation. Rapid-fire presented at: WOA 82nd Annual Meeting; Snowmass, CO; Aug 1-4, 2018.
38. **Mercer D.** The seven deadly sins of distal radius fracture fixation: avoiding complications. PowerPoint presented at: University of Texas Medical Branch, Department of Orthopaedic Surgery and Rehabilitation Monthly Grand Rounds Lecture Series; November 28, 2018: Galveston, TX. November 28, 2018.

39. **Mercer, D.** Scaphoid Fixation: Tips and Tricks. Handemonium Travel Club Spring Meeting. Washington DC. April 22, 2017.
40. **Mercer, D.** Productivity in a University Environment. Handemonium Travel Club Spring Meeting. Washington DC. April 21, 2017.
41. **Mercer, D.** Western Orthopaedic Association. Moderator for Rapid Fire Session 13B-Hand, Wrist and Elbow. Coeur d'Alene, ID. August 1, 2015.
42. **Mercer, D.** 6th Combined Meeting of the ASSH/JSSH Unsolved Problems in Hand Surgery. Skills Workshop: "The Biomechanics of the Distal Radius Fracture." (Presented by Skeletal Dynamics) Maui, HI. March 31, 2015.
43. **Mercer, D.** 6th Combined Meeting of the ASSH/JSSH, Unsolved Problems in Hand Surgery. Skills Workshops/Complex Case Discussion. Skills: "Scaphoid: treatment for acute fracture and non-unions. IP joint fusion techniques for the painful, end stage and degenerative joint." (Presented by Acumed) Maui, HI. March 30, 2015.
44. **Mercer, D.** 1st International Thumb Osteoarthritis Workshop. Cadaveric Study Investigating Metacarpal Subsidence in Treated with Partial Trapeziectomy/Partial Metacarpal Base Resection Versus Those Treated with Total Trapeziectomy. Newport, RI. October 24, 2013.
45. **Mercer, D.** American Society for Surgery of the Hand Annual Meeting. Simulated osteotomy of the trapezium reduces radial subluxation and improves contact pressure distribution across the thumb carpometacarpal joint in lateral pinch Effect of third extensor compartment disruption on the biomechanics of thumb extension. Boston, MA. September 1, 2010.
46. **Mercer, D.** Western Orthopaedic Association. Simulated osteotomy of the trapezium reduces radial Subluxation and improves contact pressure distribution across the thumb carpometacarpal joint in lateral pinch. Carmel, CA. August 01, 2010.
47. **Mercer, D.** American Society of Mechanical Engineers, Summer Bioengineering Conference. Simulated osteotomy of the trapezium reduces radial subluxation and improves contact pressure distribution across the thumb carpometacarpal joint in lateral pinch. Naples, FL. June 1, 2010.

48. **Mercer, D.** 7th Biennial American Academy of Orthopaedic Surgeons & Association of Shoulder & Elbow Surgeons. Does the glenoid wear after hemiarthroplasty with non-prosthetic glenoid? April 15, 2010.
49. **Mercer, D.** Association of Bone & Joint Surgeons 2010 Annual Meeting. Assessment of fixation stiffness in medial tibial osteotomy. Washington, DC. April 1, 2010.
50. **Mercer, D.** American Association of Orthopaedics Surgeons. Does the glenoid wear after hemiarthroplasty with non-prosthetic glenoid arthroplasty? Glenohumeral pain pump catheters after shoulder Arthroscopy: factors associated with chondrolysis. New Orleans, LA. March 20, 2010.
51. **Mercer, D.** Pre-Orthopaedic Research Society. Probabilistic failure analysis of locking compression plating vs. intramedullary nailing for treatment of distal femur fractures. New Orleans, LA. March 1, 2010.
52. **Mercer, D.** Orthopaedic Research Society. Assessment of fixation stiffness in medial tibial osteotomy intramedullary nail vs. plate in fractures of the distal femur. New Orleans, LA. March 1, 2010.
53. **Mercer, D.** Simulated osteotomy of the trapezium reduces radial subluxation and improves contact pressure distribution across the thumb carpometacarpal joint in lateral pinch. American Society for Surgery of the Hand. Boston, MA. January 1, 2010.
54. **Mercer, D.** A new test for evaluating acute ulnar collateral ligaments of the thumb. Western Orthopaedic Association. Seattle, WA. 2009.
55. **Mercer, D.** A new test for evaluating acute ulnar collateral ligaments of the thumb. American Association for Hand Surgery. Maui, HI. 2009.
56. **Mercer, D.** Treatment of hallux valgus with chevron osteotomy and lateral release. Anatomic reconstruction of lateral ankle ligaments using a gracilis tendon: a long-term comprehensive

evaluation with case matched controls. American Academy of Orthopaedic Surgeons. Foot and Ankle Specialty Day. 2008.

57. **Mercer, D.** Management of the central extensor tendon on the surgical approach for exposure of the proximal interphalangeal joint: a biomechanical study. American Association for Hand Surgery. Beverly Hills, CA. 2008.

58. Treatment of hallux valgus with chevron osteotomy and lateral release. Anatomic reconstruction of lateral ankle ligaments using a gracilis tendon: a long-term comprehensive evaluation with case matched controls. Management of the central extensor tendon on the surgical approach for exposure of the proximal interphalangeal joint: a biomechanical study. Talar neck fixation: a biomechanical comparison of 4.0 cannulated screws and cannulated headless screws. Western Orthopaedic Association Meeting. San Diego, CA. 2007.

59. **Mercer, D.** Lateral ankle reconstruction. Western Orthopaedic Association Meeting. San Diego, CA. 2007.

60. **Mercer, D.** Management of the central extensor tendon on the surgical approach for exposure of the proximal interphalangeal joint: a biomechanical study. American Society for Surgery of the Hand. Seattle, WA. 2007.

Regional

1. **Mercer D.** The Extended FCR Approach; Lunch with Distal Radius and Scaphoid Fireside. Skeletal Dynamics Summit Series- Upper Extremity. Las Vegas, NV. January 28-30, 2022.

2. **Mercer D.** Guest Presenter at the AENS Annual Meeting. Denver, CO. November 2021

3. **Mercer D.** Guest Presenter at the AAOS Annual Meeting. San Diego, CA 2021

4. **Mercer D.** The Society of Women Innovators in Pain Management Symposium Panelist. WIPM 2021 Annual Meeting. Denver, CO 2021

5. **Mercer, D.** Keynote Speaker at the Mayo Clinic College of Medicine and Sciences in Phoenix, AZ. June 19, 2021

6. **Mercer, D.** Orthopaedic Surgery Residency Program at MountainView Regional Medical Center in Las Cruces, NM. September 29, 2020.
7. **Mercer, D.** Management of Peripheral Nerve Injuries; biology, surgical treatments, expected recovery. Presented at The University of New Mexico; Albuquerque, NM; June 24, 2020.
8. **Mercer, D.** MD-PhD Cohort Presentation. Presented at The University of New Mexico. Albuquerque, NM; March 10, 2020.
9. **Mercer, D.** The elbow physical examination. Presented at: Doctors Demystify: The Elbow; Albuquerque, NM; July 28, 2018 — this is regional all doctors demystify this goes into region
10. **Mercer, D.** Upper Extremity Cadaver Repair. Southwestern Orthopaedic Trauma Association, PGY1 Motor Skills Course, Albuquerque, NM. May 20, 2017.
11. **Mercer, D.** Advanced Cases- Elbow Instability Distal Radius. Southwestern Orthopaedic Trauma Association, PGY1 Motor Skills Course, Albuquerque, NM. May 2017.
12. **Mercer, D.** Southwest Orthopaedic Trauma Association. Upper Extremity Cadaver Lab PGY1 Trauma Skills Course. Phoenix, AZ. May 16, 2014.
13. **Mercer, D.** American Orthopaedic Association Annual Conference. Fellowship Training: Is it a worthwhile endeavor? Denver, CO. June 1, 2013.
14. **Mercer, D.** Southwestern Orthopaedic Trauma Association. "Building Teamwork in Trauma Care." Distal Humerus/Proximal; Radius & Ulna Fractures; Fracture Classifications. Phoenix, AZ. September 3, 2012.
15. **Mercer, D.** Talar neck fixation: a biomechanical comparison of 4.0 cannulated screws and cannulated headless screws. American Orthopaedic Foot and Ankle Society. Denver, CO. 2008.

Local

1. **Mercer, D.** University of New Mexico Orthopaedic Alumni Conference. Moderator and panelist “Trauma, Where are We Now – Shoulder and Elbow Orthopaedics” Albuquerque, NM. June 2, 2023.
2. **Mercer, D.** Plastic Surgery Education Lecture – Core Didactics, “Rheumatoid Hand”. The University of New Mexico. Albuquerque, NM. May 22, 2023
3. **Mercer, D.** Plastic Surgery Education Lecture – Core Didactics, “Hand Fractures and Dislocations”. The University of New Mexico. Albuquerque, NM. April 10, 2023
4. **Mercer, D.** “Upper Extremity Orthopaedic Problems You Will Encounter”. Guest Presenter at Sandia National Laboratories. Albuquerque, NM. March 23, 2023.
5. **Mercer, D.** Wrist and hand injuries in athletes. Presented at: Albuquerque Community Sports Medicine Conference; Albuquerque, NM; December 12, 2018.
6. **Mercer, D.** Elbow imaging. Presented at: Doctors Demystify: The Elbow; Albuquerque, NM; July 28, 2018.
7. **Mercer, D.** Elbow instability. Presented at: Doctors Demystify: The Elbow; Albuquerque, NM; July 28, 2018.
8. **Mercer, D.** Elbow arthroscopy. Presented at: Doctors Demystify: The Elbow; Albuquerque, NM; July 28, 2018.
9. **Mercer, D.** Soft tissue coverage of the elbow. Presented at: Doctors Demystify: The Elbow; Albuquerque, NM; July 28, 2018.
10. **Mercer, D.** Lateral & medial epicondylitis. Presented at: Doctors Demystify: The Elbow; July 28, 2018: Albuquerque, NM; July 28, 2018.
11. **Mercer, D.** Elbow neuropathies. Presented at: Doctors Demystify: The Elbow; Albuquerque, NM; July 28, 2018.

12. **Mercer, D.** Muscle and nerve transfers for elbow flexion and extension. Presented at: Doctors Demystify: The Elbow; Albuquerque, NM; July 28, 2018.
13. **Mercer, D.** Biceps and triceps ruptures. Presented at: Doctors Demystify: The Elbow; Albuquerque, NM. July 28, 2018.
14. **Mercer, D.** Cheilectomy, synovectomy and bursitis about the elbow. Presented at: Doctors Demystify: The Elbow; Albuquerque, NM; July 28, 2018.
15. **Mercer, D.** Reconstruction of the severely destroyed elbow [originally prepared by: Roy A. Meals]. Presented at: Doctors Demystify: The Elbow; Albuquerque, NM; July 28, 2018.
16. **Mercer, D.** Sports Medicine: Hand and Wrist Injuries, Wrist and Hand Injuries in Adolescents/Highschool Athletes (Sports Medicine Conference), Albuquerque, NM; May 9, 2018.
17. **Mercer, D.** Cumulative Trauma Disorders, Intel, Rio Rancho, NM, November 15, 2017.
18. **Mercer, D.** Complications around the wrist, New Mexico Orthopaedic Association Conference, Albuquerque, NM, October 28, 2017.
19. **Mercer, D.** Hand and Wrist Injuries, State Bar of New Mexico, Albuquerque, NM, October 25, 2017.
20. **Mercer, D.** Doctors Demystify: Thumb Reconstruction, Adduction and Burn Management, University of New Mexico, Albuquerque, NM, October 21, 2017.
21. **Mercer, D.** Musculoskeletal Trauma and Fracture Repair, University of New Mexico School of Medicine, Albuquerque, NM, October 18, 2017.

22. **Mercer, D.** Undergraduate Pre-health: Health Professions, University of New Mexico, Albuquerque, NM, September 26, 2017.
23. **Mercer, D.** Upper Extremity for the Primary Care Provider, UNM Physician Assistant Program, UNM, Albuquerque, NM, June 8, 2017.
24. **Mercer, D.** Panel Discussion: Shoulder Cases, 36th Annual Orthopaedic Alumni Conference, UNM, Albuquerque, NM, June 2, 2017.
25. **Mercer, D.** Doctors Demystify: Wound Care, University of New Mexico, Albuquerque, NM, November 19, 2016.
26. **Mercer, D.** Pathways to Careers in Healthcare, Department of Emergency Medicine, The University of New Mexico, Albuquerque, NM, October 4, 2016.
27. **Mercer, D.** Occupational Therapy Instruction, The University of New Mexico, Albuquerque, NM, December 8, 2015.
28. **Mercer, D.** Cumulative Trauma Disorders, Intel, Rio Rancho, NM, October 7, 2015.
29. **Mercer, D.** Bio Stats/Evidence Based Medicine, Resident Didactics, The University of New Mexico, Albuquerque, NM, August 12, 2015.
30. **Mercer, D.** Introduction: Schedules, Policies, Procedures and Research for Hand Fellows, The University of New Mexico, Albuquerque, NM, August 5, 2015.
31. **Mercer, D.** Introduction to Clinical Medicine I-Orthopedics, Physician Assistant Program, The University of New Mexico, Albuquerque, NM, June 17, 2015.
32. **Mercer, D.** Orthopaedics and Work Life Balance, UNM Orthopaedic Student Interest Group, Albuquerque, NM, April 11, 2015.

33. **Mercer, D.** Hand: Peripheral Nerve and Tendon Transfers, Plastics Conference, General Surgery, UNM, Albuquerque, NM, April 10, 2015.
34. **Mercer, D.** Hand Infection: Infectious Diseases Fellowship Program, University of New Mexico, Albuquerque, NM. March 12m 2015.
35. **Mercer, D.** Primary Care Orthopaedics & Sports Medicine Update 2014. Common Wrist Problems in Primary Care and Sports; Common Finger Problems in Primary Care and Sports. University of New Mexico, School of Medicine. Albuquerque, NM. November 7, 2014.
36. **Mercer, D.** Surgeon ECTR Training. Carpel/Cubital Tunnel Release. Albuquerque, NM. September 24, 2014.
37. **Mercer, D.** Motor Skills: Microscope. OSIS. Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. September 10, 2014.
38. **Mercer, D.** Resident Didactics: Shoulder/Arm and Elbow/Forearm. Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. August 27, 2014.
39. **Mercer, D.** Resident Didactics: Hand Fractures and Joint Injuries. Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. August 20, 2014.
40. **Mercer, D.** Association of perioperative Registered Nurses (AORN) and PeriAnesthesia Nurses Association of NM (PANANM). Hand Surgery TODAY: UNM Clinical Education. Albuquerque, NM. August 13, 2014.
41. **Mercer, D.** MD-PhD Cohort Presentation. Work Life Balance as an Orhopaedic Surgeon. Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, March 10, 2019.
42. **Mercer, D.** Management of Peripheral Nerve Injuries; biology, surgical treatments, expected recovery. ORS virtual scientific session. June 2020.

Intra-Mural Lectures

1. **Mercer, D.** University of New Mexico Internal Medicine Grand Rounds. Guest Lecturer on Common Nerve Diagnoses “Compression Neuropathies and Neuroma Assessment”. Albuquerque, NM. May 25, 2023
2. **Mercer, D.** University of New Mexico Family Practice Grand Rounds. Guest Lecturer on Common Nerve Diagnoses “Nerve Injury: Current concepts”. Albuquerque, NM. May 17, 2023
3. **Mercer, D.** University of New Mexico Physician Assistant Program. PA Program Orthopaedics Guest Lectures. Lecture Series: Guest Lecturer on Upper Extremity. Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. January 25, 2023
4. **Mercer, D.** University of New Mexico Department of Orthopedics VIP Didactic Lecture Series: Distal Radius Fractures, Elbow Instability, Flexor Tendon Injuries, Hand Exams and Documentation, Inflammatory Arthritis, Thermal Injuries. Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. September 2021 – May 2022.
5. **Mercer, D.** Resident Didactics: Distal Radius Fixation and Wrist Instability. University of New Mexico; Orthopaedic Grand Rounds. Albuquerque, NM. 2020.
6. **Mercer, D.** Resident Didactics: Arthritic Conditions. Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. August 6, 2014.
7. **Mercer, D.** Resident Didactics: Tendon Injuries & Conditions (II). Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. July 30, 2014.
8. **Mercer, D.** Resident Didactics: Distal Radius Fractures and DRUJ Injuries. Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. July 23, 2014.
9. **Mercer, D.** Resident Didactics: End of Year Debrief. Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. July 16, 2014.
10. **Mercer, D.** Resident Didactics: End of Year Debrief. Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. June 11, 2014.
11. **Mercer, D.** Resident Didactics: Workers’ Compensation. Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. June 4, 2014.

12. **Mercer, D.** Resident Didactics: DVT. Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. May 14, 2014.
13. **Mercer, D.** Resident Didactics: Tendon Transfers. Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. April 20, 2014.
14. **Mercer, D.** Resident Training: Cadaver Lab. Sponsored by Acumed for the Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. April 10, 2014.
15. **Mercer, D.** Resident Didactics: Communication Skills. Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. April 9, 2014.
16. **Mercer, D.** Resident Didactics: Shoulder Arthroplasty Complications/Revision. Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. February 12, 2014.
17. **Mercer, D.** Resident Didactics: AC Joint Injuries. Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. January 8, 2014.
18. **Mercer, D.** Occupational Therapy Students. Complex Nature of the Hand. University of NM Health Science Center. Albuquerque, NM. October 31, 2013.
19. **Mercer, D.** Riordan Hand Society Annual Meeting. Scientific Session. Albuquerque, NM. September 5, 2013.
20. **Mercer, D.** National Business Institute. Hand and Wrist Injuries. Anatomy and Physiology 101 for Attorneys. Albuquerque, NM. August 1, 2013.
21. **Mercer, D.** White Coat Ceremony, NM Hispanic Cultural Center. University of NM School of Medicine. Albuquerque, NM. July 26, 2013.
22. **Mercer, D.** 32nd Orthopaedic Alumni Annual Meeting. Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. June 5, 2013.

23. **Mercer, D.** Lobo Care – Physicians/Nurse Practitioners. Demonstrating the Shoulder Exam. University of New Mexico School of Medicine. Albuquerque, NM. May 1, 2013.
24. **Mercer, D.** Primary Care Sports & Orthopaedic Update 2013 Conference. Shoulder Problems: Rotator Cuff, Biceps Tendon and Frozen Shoulder. Albuquerque, NM. April 12, 2013.
25. **Mercer, D.** Resident Didactics: Forearm Anatomy and Approaches. Flexor Tendon Injury. Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. March 27, 2013.
26. **Mercer, D.** Resident Didactics: Hand & Carpal Fractures. Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. January 23, 2013.
27. **Mercer, D.** Primary Care Sports & Orthopaedic Conference. Orthopaedic & Sports Medicine Update 2012. Albuquerque, NM. November 24, 2012.
28. **Mercer, D.** Occupational Therapy Students. Cadaver. University of New Mexico Health Science Center. Albuquerque, NM. November 17, 2012.
29. **Mercer, D.** Primary Care Orthopaedic & Sports Medicine Update 2011. Albuquerque, NM. November 20, 2011.
30. **Mercer, D.** Grand Rounds: M&M Moderator. Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. February 2, 2011.
31. **Mercer, D.** 41st UNM Carrie Tingley Winter Conference. Albuquerque, NM. January 24, 2011.
32. **Mercer, D.** Civil Engineering Department, University of New Mexico. Multidisciplinary biomechanical studies help orthopaedic investigations of arthritis. Albuquerque, NM. January 1, 2011.
33. **Mercer, D.** Grand Rounds: Thumb, basal joint arthritis. Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. January 1, 2011.

34. **Mercer, D.** Hand Conference: Nerve injury, classification, repair and neuromas. Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. January 1, 2011.
35. **Mercer, D.** University of NM Department of Pediatrics. Case Presentation at Pediatric Tumor Board. Albuquerque, NM. January 1, 2011.
36. **Mercer, D.** KUNM Radio, University of New Mexico. UNM Showcase; Presented Information about the Department of Orthopaedics, Health Sciences Center. Albuquerque, NM. January 1, 2011.
37. **Mercer, D.** Hand Conference: Fingertip Injuries. Department of Orthopaedics & Rehabilitation, UNM. Albuquerque, NM. November 17, 2010.
38. **Mercer, D.** PeriAnesthesia Nurses' Association of New Mexico. Surgical treatment and potential perioperative complications of common pathologies of the hand. Albuquerque, NM. October 1, 2010.
39. **Mercer, D.** University of New Mexico, Department of Orthopaedics Alumni Conference. Latissimus dorsi transfer with subscapularis lengthening in treatment of Erb's Palsy via an axillary approach; clinical outcomes evaluation. Albuquerque, NM. June 1, 2010.
40. **Mercer, D.** Surgical treatment and potential perioperative complications of common pathologies of the hand. PeriAnesthesia Nurses' Association of New Mexico. Albuquerque, NM. January 1, 2010.
41. **Mercer, D.** Mountain biking. University of New Mexico; Orthopaedic Grand Rounds. Albuquerque, NM. 2008.
42. **Mercer, D.** Knee biomechanics. Department of Civil Engineering, UNM, guest lecturer. Albuquerque, NM. 2007.
43. **Mercer, D.** Talar neck fixation: a biomechanical comparison of 4.0 cannulated screws vs. variable pitch headless screws. The distal course of the saphenous nerve: a cadaveric investigation. Flexor

digitorum profundus repair to bone: a biomechanical comparison of three fixation techniques. June 2007.

Poster Presentations:

- 11/2022 John Heifner, MD; Abby Halpern, DO; Gustavo Lacau, MD; **Deana Mercer, MD**; Jorge Orbay, MD. "Evaluating the Distal Extent of Visualization in Volar Approaches for Distal Radius Fracture Fixation", Poster presentation at the AAHS 2023 Annual Meeting, Miami, FL.
- 11/2022 John Heifner, MD; Abby Halpern, DO; Menar Wahood, DO; **Deana Mercer, MD**; Jorge Orbay, MD. "Acute on Chronic Distal Radius Fractures", Poster presentation at the AAHS 2023 Annual Meeting, Miami, FL.
- 09/2022 John Heifner, MD; Abby Halpern, DO; Menar Wahood, DO; **Deana Mercer, MD**; Jorge Orbay, MD. "Acute on Chronic Distal Radius Fracture: A Case Series and Technique Description", Poster presentation at the ASSH 2023 78th Annual Meeting, Toronto, ON.
- 09/2022 John Heifner, MD; Abby Halpern, DO; Gustavo Lacau MD; **Deana Mercer, MD**; Jorge Orbay, MD. "Evaluating the Distal Extent of Visualization in Volar approaches for Distal Radius Fracture Fixation", Poster presentation at the ASSH 2023 78th Annual Meeting, Toronto, ON.
- 09/2022 John Heifner, MD; Abby Halpern, DO; Menar Wahood, DO; **Deana Mercer, MD**; Jorge Orbay, MD. "Acute on chronic distal radius fracture: a case series and technique description", Poster presentation at the ASSH 2022 77th Annual Meeting, Boston, MA.
- 09/2022 Natasha Dark, BS; Jennifer Weaver, MD; Ann Laurie Wells, PhD; Gary Mlady, MD; Mihra Taljanovic, MD, PhD, FACR; Mahmoud Taha, PhD; **Deana Mercer, MD**. "Metacarpal Morphology: Radial Curvature of the Metacarpals and Evaluation of Inner and Outer Diameter", Poster presentation at the ASSH 2022 77th Annual Meeting, Boston, MA.
- 06/2022 John Heifner, Christina Salas, Natalia McIver, **Deana Mercer**. "The comparative fixation strength of a fossa specific volar locking plate in extra-articular and intra-articular models of distal radius fractures". Poster presentation at the FESSH/IFSSST/IFSSH 2022 Annual Meeting. London, UK.

- 06/2022 John Heifner, Luis Bolano, Francisco Rubio, Greg Kolovich, Paul Sibley, **Deana Mercer**. "Restoring forearm kinematics in revision radial head arthroplasty". Poster presentation at the FESSH/IFSST/IFSSH 2022 Annual Meeting. London, UK.
- 06/2022 John Heifner, Christina Salas, Nathan Menon, **Deana Mercer**. "The size of volar locking plates - does it matter?". Poster presentation at the FESSH/IFSST/IFSSH 2022 Annual Meeting. London, UK.
- 06/2022 John Heifner, Luis Bolano, Francisco Rubio, Jose Santiago Figueroa, Brent Bamberger, Gilberto Gonzalez, **Deana Mercer**. "The importance of restoring forearm kinematics in radial head arthroplasty: a retrospective multi-center study". Poster presentation at the FESSH/IFSST/IFSSH 2022 Annual Meeting. London, UK.
- 06/2022 John Heifner, Asdrubal Rivera, Laurie Wells, Christopher Reb, **Deana Mercer**. "Osteosynthesis and radial head arthroplasty achieve comparable and favorable results in terrible triad injury: a systematic review using propensity score matching". Poster presentation at the FESSH/IFSST/IFSSH 2022 Annual Meeting. London, UK.
- 02/2022 **Deana Mercer MD**, Jennifer Weaver MD, Ann Laurie Wells PhD, Mahmoud Reda Taha PhD, Natasha Dark BS, Gary Mlady MD, "Humeral Head Geometry: A Cadaveric and Anatomical Analysis of Global Offset and Intermedullary Shaft Diameter", Poster presentation at the ORS 2022 Annual Meeting. Tampa, FL.
- 02/2022 Natasha Dark, BS; Jennifer Weaver, MD; Ann Laurie Wells, PhD; Gary Mlady, MD; Mihra Taljanovic, MD, PhD, FACR; Mahmoud Taha, PhD; **Deana Mercer, MD**. " Metacarpal Morphology: Radial Curvature of the Metacarpals and Evaluation of Inner and Outer Diameter ", Poster presentation at the AAHS 2022 Annual Meeting. Carlsbad, CA.
- 01/2022 Natasha Dark, BS; Jennifer Weaver, MD; Ann Laurie Wells, PhD; Gary Mlady, MD; Mihra Taljanovic, MD, PhD, FACR; Mahmoud Taha, PhD; **Deana Mercer, MD**. " Metacarpal Morphology: Radial Curvature of the Metacarpals and

Evaluation of Inner and Outer Diameter ", Poster presentation at the AAHS 2022 Annual Meeting. Carlsbad, CA.

01/2022

Rasa Zhukauskas, MD, Debbie Fischer, MS, Curt Deister, PhD, Nesreen Zoghoul Alsmadi, PhD, **Deana Mercer, MD** "Evaluation of Axonal and Myelin Debris Phagocytosis in the Distal Injured Nerve Stumps Surrounded by Small Intestinal Submucosa or Cross-Linked Collagen", Oral presentation at the ASPN 2022 Annual Meeting. Carlsbad, CA.

09/2021

Robert Gray, Nathan Hoekzema, Natalie McIver, **Deana Mercer**, Jorge Orbay, Francisco Rubio, Christina Salas, Lauren Vernon. Fixed Angled Plating in Non-Articular vs 3-Fragment Articular Distal Radius Fractures. Poster will be presented at the ASSH 2021 Annual Meeting. San Francisco, CA

09/2021

Deana Mercer, Elizabeth Gibson, Nathan Menon, Marisa Su. Sural Nerve Harvest for Upper Extremity Nerve Reconstruction: A Patient's Perspective. Poster will be presented at the ASSH 2021 Annual Meeting. San Francisco, CA

09/2021

John Heifner, Natalie McIver, Nathan Menon, **Deana Mercer**, Jorge Orbay, Christina Salas. Plate Width in the Treatment of Distal Radius Fractures - Does It Matter?. Poster will be presented at the ASSH 2021 Annual Meeting. San Francisco, CA

06/2021

Jorge Orbay, Menar Wahood, Abby Halpern, **Deana Mercer** Managing Acute on Chronic Distal Radius Fractures, a case series. The Miami Hand & Upper Extremity Institute, Miami, FL, USA; Larkin University Hospital, Department of Orthopedics, Miami, FL, The University of New Mexico, Department of Orthopaedics, Albuquerque, NM, USA, FESSH 2021

03/2021

Natalia D. McIver, Christina Salas, **Deana Mercer**. Volar Distal Radius Plate Width Effect on Distal Radius Fracture Stability; A Cadaveric, Biomechanical Study" AAOS. March 9-13 in San Diego, California

02/2021

Deana Mercer, Natalia McIver, Christina Salas, Lauren Vernon, Francisco Rubio, Jorge Orbay, Nathan Hoekzema, Robert Gray Fossa Specific Plating in Non-articular Vs 3-fragment Articular Distal Radius Fractures: ORS 2021 Annual Meeting

02/2021 Chronic Distal	Deana Mercer: Managing Acute on Radius Fractures: a case series; 2021 Virtual on-Demand
02/2021	Deana Mercer; Marisa Su; Mary Elizabeth Gibson; Nathan Menon. Sural Nerve Harvest for Upper-extremity Nerve. ORS 2021 Annual Meeting
06/10-13/2020	Deana Mercer, Nathan Hoekzema, Robert Gray, Jorge Orbay, Francisco Rubio, Lauren Vernon, Allicia Imada, Christina Salas. Safe Zone for Screw Placement in Radial Head Fixation. E poster. Poster will be presented at AOA; June 10-13; Baltimore, MD.
06/10-13/2020	Deana Mercer. Bicipital Tuberosity: The Only Landmark Needed to Define: Radial Head Implant. E poster. Poster will be presented at AOA; June 10-13; Baltimore, MD.
06/10-13/2020	Deana Mercer. Flexor Carpi Radialis Tendon Insertion on the Trapezial Ridge: Correlation of Insertion Length to Failure Force. E poster. Poster will be presented at AOA; June 10-13; Baltimore, MD.
02/08-11/2020	Deana Mercer, Christina Salas, Aditi Majumdar, William Chavez, Jacob Valdez, Tony Sapradi, Dustin Ritcher. Unicortical Vs. Bicortical Button Fixation For Distal Biceps Brachii Tendon Rupture: A Cadaveric Study. Poster will be presented at ORS 2020 Annual Meeting; - 11; Phoenix, Arizona.
02/08-11/2020	Deana Mercer, Nathan Hoekzema, Robert Gray, Jorge Orbay, Francisco Rubio, Lauren Vernon, Allicia Imada, Christina Salas. Safe Zone for Screw Placement in Radial Head Fixation. Poster will be presented at ORS 2020 Annual Meeting; February 8-11; Phoenix Arizona.
02/08-11/2020	Deana Mercer, Nathan Hoekzema, Robert Gray, Jorge Orbay, Francisco Rubio, Lauren Vernon, Christina Salas. Flexor Carpi Radialis Tendon Insertion on the Trapezial Ridge: Correlation of Insertion Length to Failure Force. Poster will be presented at ORS 2020 Annual Meeting; February 8-11; Phoenix Arizona.
01/08-11/2020	Deana Mercer, Nathan Hoekzema, Robert Gray, Jorge Orbay, Fransico Rubio, Lauren Vernon Allicia Imada. Motor Recovery Outcomes after Upper Extremity Peripheral Nerve Injuries with Nerve Autograft: A Systematic, Met-Analysis. E-Poster will be presented at AAHS 2020 Annual Meeting; January 8-11; Fort Lauderdale, Florida.
01/08-11/2020	Deana Mercer, Nathan Hoekzema, Robert Gray, Jorge Orbay, Fransico Rubio, Lauren Vernon, Allicia Imada. Flexor carpi radials tendon insertion on the ridge: robustness and

strength of insertion. E-Poster will be presented at AAHS 2020 Annual Meeting; January 8-11; Fort Lauderdale, Florida.

01/08-11/2020

Deana Mercer, Nathan Hoekzema, Robert Gray, Jorge Orbay, Fransico Rubio, Lauren Vernon, Alicia Imada. Maintaining extra-articular trajectory during surgical treatment of radial head fractures. E-Poster will be presented at AAHS 2020 Annual Meeting; January 8-11; Fort Lauderdale, Florida.

10/16-20/2019

Deana Mercer, Nathan Hoekzema, Robert Gray, Jorge Orbay, Fransico Rubio, Lauren Vernon, Alicia Imada, Damian Fountan. Safe Zone for Screw Placement and Radial Head Fixation. Poster presented at ASES 2019 Annual Meeting; October 16-20; New York City, NYC.

09/05-07/2019

Aditi Majumdar, William Chavez, Jacob Valdez, Tony J. Sapradi, Christina Salas, Christopher Bankhead, **Deana Mercer**, Dustin L. Richter. Unicortical versus Bicortical Button Fixation for Distal Biceps Brachii Tendon Rupture [abstract ID #1685]. Poster presented at ASSH 2019 Annual Meeting; September 5-7 2019; Las Vegas, NV.

07/11-14/2019

Aditi Majumdar, William Chavez, Jacob Valdez, Tony J. Sapradi, Christina Salas, Christopher Bankhead, **Deana Mercer**, Dustin L. Richter. Unicortical Versus Bicortical Button Fixation For Distal Biceps Brachii Tendon Rupture: A Cadaveric Biomechanical Study [abstract ID #804]. Poster presented at AOSSM 2019 Annual Meeting; July 11-14 2019; Boston, MA.

01/30-02/02/2019

Deana Mercer, Jasmin Regalado, Christina Salas, Kavita Vakharia, Fermin Prieto, Darielys Mejias-Morales. Titanium Mesh as a Low-Profile Alternative to Tension Band Wiring for Olecranon Repairs [abstract ID #28100]. E-poster presented at: AAHS 2019 Annual Meeting; Jan 30 - Feb 2 2019; Palm Desert, CA.

09/25-28/2018

Deana Mercer, Robert Mercer, Moheb Moneim, Larry Benjey, Elijah Kamermans, Christina Salas. Extensor tendon anatomy; attachment of the central tendon to the dorsum of the proximal phalanx shaft. Poster presented at: EORS 2018 Annual Meeting; September 25-28 2018; Galway, Ireland.

09/25-28/2018

Deana Mercer, Robert Mercer, Christina Salas, Moheb Moneim, Elijah Kamermans, Larry Benjey. Extensor tendon proximal phalanx dorsal shaft attachment contribution to finger extension. Poster presented at: EORS 2018 Annual Meeting; September 25-28 2018; Galway, Ireland.

09/25-28/2018

Deana Mercer, Christina Salas, Jorge L Orbay, Jodie Gomez, Erica Gauger, Tom Pollard, Drew Newhoff, David Grow. Quantifying Radial Head Instability and Limitations in Hand Roatation After IOM and Annular Ligament Injury. Poster

- presented at: EORS 2018 Annual Meeting; September 25-28 2018; Galway, Ireland.
- 09/13-15/2018 **Deana Mercer**, Robert Mercer, Christina Salas, Moheb S Moneim, Elijah Kamermans, Larry Benjey. Extensor tendon anatomy: attachment of the central tendon to the dorsum of the proximal phalanx shaft. ASSH 2018 Annual Meeting; Boston, MA.
- 09/13-15/2018 Christina Salas, **Deana Mercer**, Moheb S Moneim, Norfleet Thompson, Cory Carlston, Christina Kurnik. The CMC View: A Comparison of 3 Radiographic Views by Eaton-Glickel Classification and Correlation to Disease Severity Measured by Gross Anatomical Dissection. ASSH 2018 Annual Meeting; Boston, MA.
- 09/13/15/2018 Christina Salas, Jasmin Regalado, Darielys Mejias-Morales, Fermin Prieto, Kavita Vakharia, **Deana Mercer**. Titanium Mesh as a Low-Profile Alternative to Tension Band Wiring For Chevron-Type Olecranon Osteotomies. ASSH 2018 Annual Meeting; Boston, MA.
- 06/27-30/2018 Erica Gauger, Jodie Gomez, David Grow, Lauren Long, **Deana Mercer**, Drew Newhoff, Jorge Orbay, Tom Pollard, Christina Salas. Effect of interosseous membrane injury on hand rotation and radial head multiaxial motion during active pronation and supination activities. AOA 2018 Annual Meeting; Boston, MA.
- 06/27-30/2018 Patrick Gilligan, Benjamin Johnson, Jeremiah Johnson, Lauren Long, Darielys Mejias-Morales, **Deana Mercer**, Jasmin Regalado, Christina Salas. Biomechanical study of human partial extensor tendon lacerations. AOA 2018 Annual Meeting; Boston, MA.
- 03/10-13/2018 Jodie A. Gomez, Christina Salas, Drew Newhoff, Erica Gauger, Tom Pollard, David Grow, **Deana Mercer**, Jorge L. Orbay, Lauren A. Long. Quantifying the multi-axial rotational stability of the radial head during active pronation and supination activities. ORS 2018 Annual Meeting; New Orleans, LA.
- 01/10-13/2018 Moheb Moneim, **Deana Mercer**, Christina Salas, Andrea Lese, Norfleet Thompson. Long-term outcomes after partial trapeziectomy with capsular interposition arthroplasty for treating osteoarthritis of the thumb basal joint. E-poster presented at: AAHS 2018 Annual Meeting; Fajardo, Puerto Rico.
- 11/11-14/2017 Christina Salas, Lauren Long, Jodie Gomez, Mahmoud Reda Taha, **Deana Mercer**. Morphometric, mechanical, and histological characterization of the ligaments of the trapeziometacarpal joint. BMES 2017 Annual Meeting; Pheonix, AZ.
- 09/05-09/2017 Salas C, Long L, Gilligan P, Johnson J, Johnson B, **Mercer D**. Partial extensor tendon lacerations in Zone V of human

- cadavers: a biomechanical study. 72nd Annual Meeting of the American Society for Surgery of the Hand; San Francisco, CA.
09/05-09/2017 Salas C, Newhoff D, Gomez J, Pollard T, **Mercer D**. Quantification of radial head instability after simulated annular ligament and interosseous membrane injury during pronation/supination activities. iPoster will be presented at: 72nd Annual Meeting of the American Society for Surgery of the Hand; San Francisco, CA.
- 01/10-14/2017 **Deana Mercer**, Dustin Larson, Cole Paffett, Joshua Romero, Leslie Neher, Christina Salas. Pronator quadratus rotational muscle flap to limit flexor tendon injury from VDR plate fixation. AAHS 2017 Annual Meeting; Waikoloa, HI.
- 01/10-14/2017 **Deana Mercer**, David Erik Peterson, Christina Salas, Dustin Larson, Zoe C Zimmer, Moheb S Moneim. Percutaneous pinning through the anatomic snuff box: is there a safe zone? AAHS 2017 Annual Meeting; Waikoloa, HI.
- 06/20-24/2017 Paffett C, Romero J, Neher LE, Larson D, **Mercer D**, Salas C. Pronator quadratus rotational muscle flap to limit flexor tendon injury from VDR plate fixation. E-poster will be presented at: 2017 AOA Annual Meeting; June 20-24 2017; Charlotte, NC.
- 09/28-10/01/2016 Alex Telis, Rachel Tufaro, Dustin Larson, **Deana Mercer**, Christina Salas. The H-taping method for prophylactic or temporary fixation of partial A2 pulley tears during rock climbing. Poster will be presented at: Western Orthopaedic Association 80th Annual Meeting; Indian Wells, CA.
- 09/29-10/01/2016 Alex Telis, Rachel Tufaro, Dustin Larson, **Deana Mercer**, Christina Salas. The H-taping method for prophylactic or temporary fixation of partial A2 pulley tears during rock climbing. E-Poster will be presented at: 71st Annual Meeting of the American Society for Surgery of the Hand; Austin, TX.
- 09/09/2016 Christina Salas, Christopher Bankhead, David Grow, **Deana Mercer**. "Smart" surgical instruments for evaluation and training of surgical skills for orthopaedic residents. Poster presented at: UNM 2016 Education Day Symposium; Albuquerque, NM.
- 04/15-16/2016 Tufaro R, Telis A, Larson D, **Mercer D**, Salas C. The H-taping method for prophylactic or temporary treatment of partial A2 pulley tears during rock climbing: a biomechanical study. Poster presented at: 6th annual regional meeting of the Rocky Mountain American Society of Biomechanics; Estes Park, CO.
- 04/11-15/2016 Tufaro R, Telis A, Larson D, **Mercer D**, Salas C. The H-taping method for prophylactic or temporary treatment of partial A2 pulley tears during rock climbing: a biomechanical

- study. Poster presented at: 2016 New Mexico Shared Knowledge Conference; Albuquerque, NM.
- 03/05-08/2016 Rachel Tufaro, Alex Telis, Dustin Larson, **Deana Mercer**, Christina Salas. The H- taping method for prophylactic or temporary treatment of partial A2 pulley tears during rock climbing: a biomechanical study. Poster presented at: ORS 2016 Annual Meeting; Orlando, FL.
- 09/10-12/2015 **Mercer D**, Moneim M, Morrell N, Salas, C. Partial Trapeziectomy with Capsular Interposition (PTCI) Arthroplasty for Surgical Treatment of Thumb carpometacarpal Osteoarthritis. Abstract #: 1407; E Poster 197. Hand Society's 70th Annual Meeting, Seattle, WA.
- 06/2015 Leggott KT, Martin M, Sklar D, Helitzer D, Rosett R, Crandall C, Vagh F, **Mercer D**. Transformation of anesthesia for ambulatory orthopedic surgery: A mixed-methods study of a diffusion of innovation in healthcare. Academy Health Annual Research Meeting, Minneapolis, MN.
- 06/2015 Kyle Leggott, Matthew Martin, David Sklar, Deborah Helitzer, Cameron Crandall, Randy Rosett, Firoz Vagh, **Deana Mercer**. The Transformation of ambulatory orthopedic surgical anesthesia: a mixed methods study of diffusion of innovation in healthcare. Poster presented: Academy Health Annual Research Meeting; Minneapolis, MN.
- 03/29-04/01/2015 **Mercer D**, Moneim M, Salas C, Orr C, Newhoff D, Martin M. Radiographic Prevalence of Concomitant Scaphotrapezial Arthritis with Thumb Carpometacarpal Arthritis. Abstract #: 8192; E Poster. 6th Combined Meeting of ASSH/JSSH. Maui, HI.
- 03/29-04/01/2015 **Mercer D**, Moneim M, Morrell N, Salas, C. Partial Trapeziectomy with Capsular Interposition (PTCI) Arthroplasty for Surgical Treatment of Thumb carpometacarpal Osteoarthritis. Abstract #: 8193; E Poster. 6th Combined Meeting of ASSH/JSSH. Maui, HI.
- 03/28-31/2015 **Mercer D**, Salas C. High Resolution Motion Analysis for Identification of Primary Trapeziometacarpal Joint Stabilizers During Grip Motion. Abstract; ORS 2015 Annual Meeting, MGM Grand Hotel, Las Vegas, NV.
- 03/2015 **Mercer D**, Salas C. High resolution motion analysis for identification of primary Trapeziometacarpal joint stabilizers during grip motion. 61st Annual Meeting of the Orthopaedic research Society, Las Vegas, NV.
- 08/2014 Evans S, Brantley J, Salas C, Baldwin E, **Mercer D**. Anatomical study investigating structures at risk during volar percutaneous scaphoid fixation. 78th Annual Meeting of the

- Western Orthopaedic Association, Big Island, HI. (Presented by Baldwin E).
- 03/2014 Salas C, Brantley J, Clark J, Baldwin E, Reda Taha MM, **Mercer D**. Patterns of failure in the distal radius following treatment for extra-articular fractures (AO 23-A3.2) using two column volar plates. 60th Annual Meeting of the Orthopaedic Research Society, New Orleans, LA. (Presented by Salas C).
- 11/2013 **Mercer D**, Brady C, Brantley J, Evans S, Salas C. Volar percutaneous approach for treatment of scaphoid fractures: An anatomical study investigating structures at risk. 68th Annual Meeting of the American Society for Surgery of the Hand, San Francisco, CA.
- 2013 Brady C, Brantley J, Salas C, Evans S, Mikola E, **Mercer D**. Volar percutaneous approach for treatment of scaphoid fractures: Anatomical study investigating structures at risk. NM Shared Knowledge Conference 2013, Albuquerque, NM. (Presented by Brantley J).
- 2011 **Mercer D**. Humeral hemiarthroplasty with non-prosthetic glenoid arthroplasty in patients 55 years old or less. American Academy of Orthopaedic Surgeons 2011, San Diego, CA.

Courses Co-Chaired and Sessions Moderated at Professional Meetings

- 09/30/2022 Orbay J, Mercer D (Moderator) Getting the Bands Back Together; Understanding the Interosseous Ligament Complex". Symposia at the 2022 American Society for Surgery of the Hand (ASSH) 2022 Annual Meeting. Boston, MA. September 30 – October 2, 2022
- 02/05/2018 Iwona Jasiuk (Moderator), **Deana Mercer (Moderator)**, Karen L. Troy (Moderator). Writing a High-impact NIH Biosketch Session. ORS 2019 annual meeting; Austin, Texas.
- 02/02/2019 Sophie Verrier (Moderator), **Deana Mercer (Moderator)**. Advances of 3d Printing and Biofabrication in Orthopaedics. ORS 2019 annual meeting; Austin, Texas.

Community Service:

- 2023 10th Annual Albuquerque Perry Initiative Outreach Program (POP). One day workshop that helps to promote the fields of Orthopaedics and engineering to young women. Moderator and Speaker. Albuquerque, NM.

- 2021-2022 Medical Student Mock Interviews for UNM and RJOS. Great opportunity to engage with current medical students and help them achieve desired matches to residency programs.
- 06/2021 CTD Causation, Intel. Increase awareness of ergonomic injuries (Cumulative Trauma Disorders and Carpal Tunnel Syndrome). Rio Rancho, NM.
- 03/2020 4th Annual Medical Student Outreach Program. Created by The Perry Initiative. Hosted by: UNM Department of Orthopaedics & Rehabilitation: March 7, 2020, Albuquerque, NM
- 10 / 2018 3rd Annual Medical Student Outreach Program. Created by The Perry Initiative. Hosted by: UNM Department of Orthopaedics & Rehabilitation; October 6, 2018; Albuquerque, NM.
- 2016 - Medical Student Outreach Program Kit. Hands-on workshops and open 2017 discussions for female first and second year medical students about orthopaedics surgery. Great opportunity to network with physician-mentors – and gain insight into a lifelong career.
- 07 / 2016 Health Career Academy. Help high school students explore appropriate techniques to apply stockinette, cotton padding, and cast tape.
- 10 / 2015 CTD Causation, Intel. Increase awareness of ergonomic injuries (Cumulative Trauma Disorders and Carpal Tunnel Syndrome). Rio Rancho, NM.
- 2013 - Albuquerque Perry Initiative Outreach Program. One day workshop that helps to Current promote the fields of orthopaedics and engineering to young women. Albuquerque, NM.
- 1999-2003 Co-founder & President, Women's Health Interest Group Albuquerque, NM. Launched the new interest group. Organized faculty lectures on women's health issues. Led discussions and gave lectures to the Women's Shelter staff. Presented a poster and distributed information on Osteoporosis to the health care workers and patients of a rural health clinic.

Research, Teaching, and Service Interests

Research:

As a research director, I proactively encourage and oversee the conception, design, and execution of new studies in orthopaedic medicine. I am eager to work alongside investigators from multiple fields and institutions. Additionally, I initiate my own research while collaborating with PhD faculty, attending surgeons, resident physicians, medical students, and engineering students. I am passionate about all fields of orthopaedic research, but I have an avid interest in the following areas:

- Biomechanics of the upper extremities
- Pathology of the insertion point of the distal bicep tendon

- Complex injuries of the elbow

My department strives to enhance understanding of current concepts in the musculoskeletal system by promoting active research—results of which are key to significantly improving the quality and accessibility of healthcare for our many patients. Our ultimate goal is to provide top-quality care for the uniquely diverse population of New Mexico, a rural state that comprises varying socioeconomic levels.

Teaching:

I have been an assistant professor since 2010 and an associate professor since 2015. I am now a tenured professor as of 2021. I am wholeheartedly committed to a lifelong career in education. I work with orthopaedic residents within the department and students of all fields and backgrounds. I lead open-discussion presentations at our weekly Hand Division Lecture Series, and some of my favorite topics include:

- Fractures of the distal radius
- Injuries of the flexor tendon
- Nerve injuries
- Prosthetics

Furthermore, I love to mentor students of all educational levels, including high school, pre-med, medical, graduate, and residency. My teaching ranges from in-class lectures to clinical shadowing and supervising. I enjoy collaborating with individuals who share my passion for healthcare, and I am honored to help guide the future generations of outstanding orthopaedic surgeons.

Service Interests:

I am an active supporter of women leadership in healthcare and STEM-related careers. Subsequently, I seek and lead outreach programs and community service geared toward such goals.

For example, I have presented various volunteer lectures on topics such as ergonomic injuries and women's health issues (e.g., osteoporosis). Additionally, my outreach efforts have been aimed at middle-school and high-school students to encourage interest and excitement about careers in orthopaedic surgery and engineering fields. I have helped direct the Perry Outreach Program at our university for the past 4 years. This annual event—created and managed nationally by the fantastic Perry Initiative—allows our attending surgeons, residents, medical students, and engineering students to mentor female high-school students of New Mexico and show them that these lifelong careers are readily achievable.

Overall, I am a strong proponent of increasing awareness and understanding of potentially overlooked topics, particularly concerning women leadership in medicine. With the help of my research team at the department, we have been able to and continue to reach out to the various populations of New Mexico.

Scholarly Achievements

Original Research Projects:

Mercer D, VanMeter J, West A, Rodriguez A, DeLorenza M. Kinesio Taping for Pain and Inflammation on Carpal Tunnel, DeQuervain's Syndrome and Trigger Finger Surgeries. Active. IRB 17-102.

Mercer D, Salas C, Orbay J, Romero J. Quantification of Radiocarpal Motion. Active. 16-108.

Mercer D, Lurtsema R, Hough T, Logue M, Harrington K. Suturing For MSIIS: A Modern Educational Approach. Active. IRB 16-093.

Mercer D, DeLorenzo M, West A, Kurnik CG, VanMeter J. A Multi-Center Prospective Observational Study of Nerve Repair and Reconstruction Associated with Major Extremity Trauma. Active. IRB 16-086.

Mercer D, McMullan J, Avila J, Hough T. How is distal radius fracture affected by weight in the pediatric population? Active. IRB 16-085

Mercer D, Arndt C, West A, Wojcik J, Baker B, Wentzel M, Sinha N, Dunnahoo F, Rosett R, Samford C, Rodriguez A, Petersen T. A Prospective Trial Investigating Proximal Arm Strength after Musculocutaneous Nerve Block for Hand Surgery. Active. IRB 15-621.

Mercer D, Benson E, Huff N, Johnson P, Majumdar, A. Shoulder Arthroplasty Failure experience (SAFE): A Multi-Center Study – University of Washington. IRB15-190.

Mercer D, Loker K et al. A Multi Center Prospective Observational Study of Nerve Repair and Reconstruction Associate with Major Extremity Trauma (NERVE). IRB 15-0924.

Salas C, **Mercer D**, Bankhead C. Smart surgical tools for orthopaedic resident training and assessment – Multi-Part Study. Active. IRB 15-087.

Mercer D, Logue MB, Hough T, Avila J. Distal Radius Fracture and Pediatric Obesity. Peds Study. IRB 15-0827.

Mercer D, Salas C, Paffett C, Logue MB. Coverage of Distal Radius Volar Plate with Partial Pronator Quadratus Release. PQ Study. IRB 15-0824.

Mercer D, Duniva G, Muruthi J, Loker K, Montoya T. Secret Patient – Ambulatory Clinic Enhancement (SPACE). In progress. IRB 15-016.

Mercer D, Salas C, Decker, M, Kuehn R. Low-Profile dual plating technique for fixation of midshaft clavicle fractures: a biomedical comparison study. In progress. IRB 15-0116.

Mercer D, Silva S, Payne B. Syndactyly Release: A fortuitous skin graft donor site. In progress. IRB 14-1125.

Mercer D, Telis A, Salas C, Tufaro R. H-taping for pulley tears in rock climbers. IRB 14-0709.

Mercer D, Leggot K, Petersen T, Martin M, Helitzer D, Sklar D, Fields K, Baldwin E, Rosett R. Regional Anesthesia at UNMH: A Diffusion of Innovation. Active. IRB 14-036.

Mercer D, Moneim M, Mlady G, Bowers J. Radiographic Prevalence of Scaphotrapezial Arthritis with Thumb Carpometacarpal Arthritis. Active. IRB 13-049.

Mercer D, Logue MD, Miller J, Kelly L. Evaluate parental and physician preference between a hard case and splint for stable distal radius torus fractures in children. Gauntlet vs. Cast.

Teaching / Education

High School Student Mentoring:

Kelley Rutter, January 2012, Career Enrichment Center

Master's Student Mentoring:

Rachel Tufaro, 2015-2016

Gabriel Ortiz, 2015-2016

Ph.D. Student Mentoring:

Christina Salas, 2010-2016

Justin Brantley, 2012-2015

Jodie Gomez, 2019

Mary Mulcahey, 2020
Natalia Mclver 2020

M.D. Mentoring:

Roman Austin, 2021-2022
Rishika Chauhan, 2021-2022
Gilberto Gonzalez, 2020

Pre-Medical Student Mentoring:

Rachel Fort, Marina Seheon, Melody Yeh, 2023
Diego Rodriguez, 2021-2022
Valeria Orozco Gabriella Verardo, Reed Moyer, 2022
Natasha Dark, 2021
Damian Fountain, 2020
Jessica McGraw, 2016
Christopher Plaman, 2015
Patrick Gilligan, Zainab Cheema, 2014
Stephanie Tran, Zainab Cheema, 2013
John Cox, Zainab Cheema, Bryant Shuey, 2012

Medical Student Mentoring:

Eugene Fayerberg, 2010-2012
Christina Brady, 2012-2014
Ian Power, 2012-2014
Dukens LaBaze, 2011-2016
Mary Beth Logue, 2015-2016
Ali M Smith-Fassler, 2020
Fermin Prieto, 2020
Michael Griego, 2020
Emily Aldean, 2020
Hoang Bui, 2020
Jera Davis, 2020
Bridgette Love, 2020
Waleed Asad, 2020
Ian Power, 2010-2016
Helen Zhao, 2022
Natasha Dark, 2022-2023
Francisco Lopez, 2022-2023
Chris Paiz, 2022-2023
Stephen Reigstad, 2022-2023
Rhiana Rivas, 2022-2023
Hoang M Nguyen 2023-2024
Johnathan P Jensen 2023-2024

Resident Mentoring:

2020-2019 PGY-2 Dr. Yeager, Dr. Imada, Dr. Su

2018-2019 PGY-1 Dr. Ahmad, Dr. Clinger, Dr. Imada, Dr. Kump, Dr. Skoglund
 PGY-2 Dr. Kurnik, Dr. Huff, Dr. Helmig, Dr. Packard, Dr. Albertson
 PGY-3 Dr. Plaster, Dr. Polander, Dr. Price, Dr. Wasserburger, Dr. Wharton
 PGY-4 Dr. Goodwyn, Dr. Hughes, Dr. Majumdar, Dr. Parsons, Dr. Shultz
 PGY-5 Dr. Bankhead, Dr. Dollahite, Dr. Gilligan, Dr. Johnson, Dr. Wojcik

2017-2018 PGY-1 Dr. Kurnik, Dr. Huff, Dr. Helmig, Dr. Packard, Dr. Albertson
 PGY-2 Dr. Plaster, Dr. Polander, Dr. Price, Dr. Wasserburger, Dr. Wharton
 PGY-3 Dr. Goodwyn, Dr. Hughes, Dr. Majumdar, Dr. Parsons, Dr. Shultz
 PGY-4 Dr. Bankhead, Dr. Dollahite, Dr. Gilligan, Dr. Johnson, Dr. Wojcik
 PGY-5 Dr. Garbrecht, Dr. Mulawka, Dr. Payne, Dr. Pedri, Dr. Telis

2016-2017 PGY-1 Dr. Plaster, Dr. Polander, Dr. Price, Dr. Wasserburger, Dr. Wharton
 PGY-2 Dr. Goodwyn, Dr. Hughes, Dr. Majumdar, Dr. Parsons, Dr. Shultz
 PGY-3 Dr. Bankhead, Dr. Dollahite, Dr. Gilligan, Dr. Johnson, Dr. Wojcik
 PGY-4 Dr. Garbrecht, Dr. Mulawka, Dr. Payne, Dr. Pedri, Dr. Telis
 PGY-5 Dr. Decker, Dr. Gavin, Dr. Gill, Dr. Newhoff, Dr. Power

2015-2016 PGY-1 Dr. Goodwyn, Dr. Hughes, Dr. Majumdar, Dr. Parsons, Dr. Shultz
 PGY-2 Dr. Bankhead, Dr. Dollahite, Dr. Gilligan, Dr. Johnson, Dr. Wojcik
 PGY-3 Dr. Garbrecht, Dr. Mulawka, Dr. Payne, Dr. Pedri, Dr. Telis
 PGY-4 Dr. Decker, Dr. Gavin, Dr. Gill, Dr. Newhoff, Dr. Power
 PGY-5 Dr. Bulthuis, Dr. Fitzgerald, Dr. Hopson, Dr. R. Kuehn, Dr. Menzer

2014-2015 PGY-1 Dr. Bankhead, Dr. Dollahite, Dr. Gilligan, Dr. Johnson, Dr. Wojcik
 PGY-2 Dr. Garbrecht, Dr. Mulawka, Dr. Payne, Dr. Pedri, Dr. Telis
 PGY-3 Dr. Decker, Dr. Gavin, Dr. Gill, Dr. Newhoff, Dr. Power

- PGY-4 Dr. Bulthuis, Dr. Fitzgerald, Dr. Hopson, Dr. R. Kuehn, Dr. Menzer
 PGY-5 Dr. Evans, Dr. S. Kuehn, Dr. Richter, Dr. Strohmeyer, Dr. Woodin
- 2013-2014 PGY-1 Dr. Garbrecht, Dr. Mulawka, Dr. Payne, Dr. Pedri, Dr. Telis
 PGY-2 Dr. Decker, Dr. Gavin, Dr. Gill, Dr. Newhoff, Dr. Power
 PGY-3 Dr. Bulthuis, Dr. Fitzgerald, Dr. Hopson, Dr. R. Kuehn, Dr. Menzer
 PGY-4 Dr. Evans, Dr. S. Kuehn, Dr. Richter, Dr. Strohmeyer, Dr. Woodin
 PGY-5 Dr. Godfrey, Dr. Job, Dr. McCord, Dr. Morrell, Orr
- 2012-2013 PGY-1 Dr. Decker, Dr. Gavin, Dr. Gill, Dr. Newhoff, Dr. Power
 PGY-2 Dr. Bulthuis, Dr. Fitzgerald, Dr. Hopson, Dr. R. Kuehn, Dr. Menzer
 PGY-3 Dr. Evans, Dr. S. Kuehn, Dr. Richter, Dr. Strohmeyer, Dr. Woodin
 PGY-4 Dr. Godfrey, Dr. Job, Dr. McCord, Dr. Morrell, Orr
 PGY-5 Dr. Ala, Dr. Allen, Dr. Briggs, Dr. Dickens, Dr. Hoopes
- 2011-2012 PGY-1 Dr. Bulthuis, Dr. Fitzgerald, Dr. Hopson, Dr. R. Kuehn, Dr. Menzer
 PGY-2 Dr. Evans, Dr. S. Kuehn, Dr. Richter, Dr. Strohmeyer, Dr. Woodin
 PGY-3 Dr. Godfrey, Dr. Job, Dr. McCord, Dr. Morrell, Orr
 PGY-4 Dr. Ala, Dr. Allen, Dr. Briggs, Dr. Dickens, Dr. Hoopes
 PGY-5 Dr. Gilmore, Dr. Hobby, Dr. Patman, Dr. Rust. Dr. Stewart
- 2010-2011 PGY-1 Dr. Evans, Dr. S. Kuehn, Dr. Richter, Dr. Strohmeyer, Dr. Woodin
 PGY-2 Dr. Godfrey, Dr. Job, Dr. McCord, Dr. Morrell, Orr
 PGY-3 Dr. Ala, Dr. Allen, Dr. Briggs, Dr. Dickens, Dr. Hoopes
 PGY-4 Dr. Gilmore, Dr. Hobby, Dr. Patman, Dr. Rust. Dr. Stewart
 PGY-5 Dr. Aboka, Dr. Adams, Dr. Blackwood, Dr. Child, Dr. Wiemann

Hand Fellow Mentoring:

- 2022-2023 Alex Lambi, MD; Jeffrey Cheesman, MD
 2021-2022 Kelly Scott, MD
 2019-2020 Geneva Tranchida, MD, Henry Ran, MD
 2018-2019 Camille Aubin-Lemay, MD, Mark Anderson, MD
 2017-2018 Kavita Vakharia, MD, Kourosh Kolahi, MD

2016-2017 Erica Gauger, MD, James Rose, MD
2015-2016 Erik Peterson, MD, Dustin Larson, MD
2014-2015 Andrea Lese, MD, Norfleet Thompson, MD
2013-2014 Cory Carlston, MD, Matthew Martin, MD
2012-2013 James Clark, MD, Aaron Hoblet, MD
2011-2012 Matthew Green, MD, Gavin O'Mahony, MD
2010-2011 Conrad Hamilton, MD, Catherine Walsh, MD