OrthoCarolina

Jeremy C. Thompson, M.D.

Bio

Dr. Thompson is a Charlotte-native orthopedic surgeon who specializes in treating disorders of the spine. After graduating from Wake Forest University, he was drafted in the 4th round of the 2008 NFL Draft by the Green Bay Packers. Unfortunately, during his 2nd year, a career-ending injury cut his professional football career short. His experience as a patient with some of the country's most distinguished surgeons uncovered his passion for medicine. Following his graduation from medical school at the University of North Carolina at Chapel Hill and his orthopedic surgery residency at the renowned Mayo Clinic, Dr. Thompson completed his spine surgery fellowship at the prestigious Leatherman Spine Center in Louisville, KY. Dr. Thompson has special clinical interests in treating traumatic and degenerative conditions in the spine and sacroiliac joint.

Many spine conditions can be managed without surgery, and Dr. Thompson's clinical philosophy is to educate patients about their condition and exhaust non-operative, conservative treatments in these situations. When surgery is absolutely necessary, he is committed to offering the least invasive surgical options when possible.

Outside of work, Dr. Thompson spends his time with his wife and their 6 children; he enjoys church, hiking, fishing, family movie night, and Wake Forest/Packers football.

LOCATIONS

- Huntersville
- Lake Norman
- Spine Center - Charlotte

CLINICAL SPECIALTIES

- Specialties
- Spine

Education

- Mayo Clinic Rochester- Orthopedic Surgery Resident
- University of North Carolina School of Medicine – Doctor of Medicine
- University of North Carolina at Charlotte – Post-Baccalaureate, Medical Prerequisites
- Wake Forest University – B.S. in Health & Exercise Science

Practice

- Spine Surgery
- AAOS
- NASS

Awards

- Academic All-ACC Football, 2005 - 2007
- Deans List, Wake Forest University, 2005-2007
- NCAA Sportsmanship Award Nominee, 2008
- C. McCollister Evarts Resident Leadership Forum, 2021

Research

Publications

- Journal of Orthopedic Trauma
  - Dielwart, Cassandra MD, FRCSC; Harmer, Luke MD, MPH; Thompson, Jeremy BS; Karunakar, Madhav A MD. "Management of Closed Diaphyseal Humerus Fractures in Patients with Injury Severity Score (ISS) ? 17." Journal of Orthopaedic Trauma. 31 (4); 220-224, April 2017
- Journal of the American Academy of Orthopedic Surgeons
  - Alamanda, Vignesh MD, Robinson, Myra, Thompson, Jeremy MD, Kneisl, Jeffery MD, and Patt, Joshua MD. "Necessity of Bony Fusion after Surgical Treatment of Metastatic Spine Tumors." Journal of American Orthopedic Surgeons. January 3, 2020.

- Journal of Bone & Joint Infection
  - Thompson, Jeremy MD, Goldman, Ashton MD, Tande, Aaron MD, Osmon, Douglas MD, Sierra Rafael MD. "Streptococcus bovis Hip and Knee Periprosthetic Joint Infections: A Series of 9 Cases." Journal of Bone & Joint Infection. 5 (1). 2020

- Journal of Arthroplasty
  - Ashton H. Goldman MD, Jeremy C. Thompson MD, Daniel J. Berry MD, Rafael J. Sierra MD. "Tripolar Articulations as a "High Stability Bearing" For Revision THA: Success Rates and Risk Factors for Failure." Journal of Arthroplasty. 35(8); 2188-2194. August 2020.

- Clinical Interventions in Aging

- Thompson, Jeremy MD, Wanderman Nathan MD, Anderson, Paul MD, Freedman, Brett MD. "Abaolparatide and the Spine: A Narrative Review." Clinical Interventions in Aging. 15; 1023 – 1033. June 2020

- Clinical Spine Surgery
  - Thompson, Jeremy MD, Pinter, Zachariah MD, Honig, Rachel MD, Tomov, Marko MD, Currier, Bradford MD, Sebastian, Arjun. "Methods Used to Generate Consensus Statements for Clinical Practice Guidelines – A Primer for the Spine Surgeon." Clinical Spine Surgery. Submitted, awaiting revisions. Clinical Spine Surgery. 10; 391-394. December 2021
- Global Spine Journal
  - Thompson, Jeremy MD, Tomov, Marko MD, Lu, Victor MD, Hobson, Sandra MD, Sebastian, Arjun MD, Freedman, Brett MD, Currier, Bradford MD. "A Consensus and Systematic Review on Post-operative Sub-fascial Drain Use in Spine Surgery. Submitted to Global Spine Journal, awaiting review.

Presentations

- Carolinas Medical Center Summer Scholar Research Day – Charlotte, NC 2014
  - "Operative vs. Non-operative Management of Diaphyseal Humerus Fractures in the Polytrauma Patient"
    - Podium Presentation

- Orthopedic Trauma Association Annual Meeting – San Diego, CA 2015
  - "Management of Closed Diaphyseal Humerus Fractures in Patients with Injury Severity Score (ISS) ? 17"Abstract Poster
    - Abstract Poster

- Mayo Clinic, Jacksonville Grand Rounds – Jacksonville, FLA 2019
  - "Extensor Mechanism Injuries in the Native and Replaced Knee"

- Mayo Clinic, Rochester Grand Rounds - Rochester, MN 2020
  - "Occupational Radiation Exposure and the Orthopedic Surgeon: What are our risks and how do we minimize them?"

- Mid-America Orthopedic Association Annual Meeting 2021

- - "Minimally Invasive Fusion of the Sacroiliac Joint with Compression and Aggressive Joint Preparation: Mid-term Patient Outcomes"
    - Poster presentation

- Mid-America Orthopedic Association Annual Meeting 2021
  - "The Addition of Robotic Terminal Cleaning Via Pulsed-Xenon Ultraviolet Light Reduces Bioburden in the Operating Room
    - Podium Presentation

Research

- Wake Forest University, Dept. of Health & Exercise Science 2006 - 2007
  - "The Effects of Intensive Diet and Exercise on Knee Joint Loads, Inflammation, and Clinical Outcomes."
    - Advisor: Stephen P. Messier, Ph.D. – Wake Forest University
    - Role: Student research aid
      - Assisted in implementation of exercise program for study participants

- Carolinas Medical Center – Charlotte, NC 2014 – 2015
  - "Operative vs. Non-operative Management of Diaphyseal Humerus Fractures in the Polytrauma Patient"
    - Retrospective study investigating outcomes of operative vs. non-operative management of patients with multiple traumatic injuries.
    - Advisors: Madhav Karunakar M.D. – Carolinas Medical Center
      - Luke Harmer M.D, FACS, MPH. – Quincy Medical Group