

Jesse Chrastil M.D.

Panorama Orthopedics and Spine Center

Work Experience

Panorama Orthopaedics and Spine 2020-Present
Arthroplasty Surgeon

Colorado Permanente Medical Group 2014-2020
Arthroplasty Surgeon – Department of Orthopedics

- Completed > 3000 arthroplasty surgeries
 - Initiated outpatient arthroplasty program in ambulatory surgery center
- Achieved 95th percentile for Overall Provider Interaction on patient satisfaction surveys
- Achieved the highest orthopaedic surgery art of medicine score 2020

University of Utah Adult Recon & Hip Preservation, Salt Lake City, UT 2013-2014
Arthroplasty Fellow

University of Utah Dept. of Orthopedic Surgery, Salt Lake City, UT 2008-2013
Resident Physician

University of Nebraska Medical Center, Omaha, NE 2003-2004
Research Assistant

Post-Graduate Education

Arthroplasty Fellowship **University of Utah Dept. of Orthopedic Surgery, Salt Lake City, UT** 2013-2014

Residency Training **University of Utah Dept. of Orthopedic Surgery, Salt Lake City, UT** 2008-2013

Graduate Education

Medical Doctorate **University of Nebraska College of Medicine, Omaha, NE** 2004-2008

Undergraduate Education

Bachelor of Science **University of Nebraska, Lincoln, NE** 1999-2003

- Biological Sciences

Medical Licensures

- ABOS Part I Board Certified 2013
- ABOS Part II Board Certified 2016
- Active Licensure as Physician - Colorado 2014-Present

Professional Society Memberships

- American Association of Hip and Knee Surgeons Fellow 2011-Present
- Editorial Reviewer for Journal of Arthroplasty 2014-Present
- American Academy of Orthopaedic Surgery Fellow 2008-Present
- Alpha Omega Alpha Medical Honor Society 2007-Present
- American Medical Association 2004-Present

Honors and Awards

- 5280 Magazine – Denver’s Top Doctors 2019
- “Top 100” among CPMG physicians for Art of Medicine Scores 2018
- Current Concepts Foundation Scholarship CCJR 2012

- Graduate of University of Nebraska College of Medicine with High Distinction 2008
- Nebraska Medical Foundation C.A. McWhorter, M.D. Memorial Scholarship 2007
- University of Nebraska Medical Center Regents Scholarship 2007
- Junior Acceptance within Alpha Omega Alpha Honor Medical Society 2007
- Nebraska Medical Association/COPIC Insurance Company Scholarship 2006
- University of Nebraska Medical Center Regents Scholarship 2006
- University of Nebraska Medical Center Alumni Association Full Tuition Scholarship 2005

Grant Support

- Expired:*
- OREF/Synthes Resident Educational Grant 2011-2013
Opioid-Induced Androgen Deficiency: Can Our Current Post-Operative Pain Management Induce a Poor Healing Environment?
Role: Principal Investigator
Status: Awarded \$5,000
 - Sherman S. Coleman Incentive Seed Grant 2011-2013
Opioid-Induced Androgen Deficiency: Can Our Current Post-Operative Pain Management Induce a Poor Healing Environment?
Role: Principal Investigator
Status: Awarded \$15,000
 - Synthes Project Support 2011-2013
Opioid-Induced Androgen Deficiency: Can Our Current Post-Operative Pain Management Induce a Poor Healing Environment?
Role: Principal Investigator
Status: Awarded \$44,214

Peer-Reviewed Publications

Anderson LA, Anderson MB, Erickson JA, **Chrastil J**, Peters CL. Acetabular Wall Indices Help to Distinguish Acetabular Coverage in Asymptomatic Adults With Varying Morphologies. *Clinical Orthopaedics and Related Research*. 2017 Apr;475(4):1027-1033.

Peters CL, **Chrastil J**, Stoddard GJ, Erickson JA, Anderson MB, Pelt CE. Can Radiographs Predict the Use of Modular Stems in Developmental Dysplasia of the Hip? *Clinical Orthopaedics and Related Research*. 2016 Feb;474(2):423-9.

Anderson LA, Anderson MB, Kapron A, Aoki SK, Erickson JA, **Chrastil J**, Grijalva R, Peters C. The 2015 Frank Stinchfield Award: Radiographic Abnormalities Common in Senior Athletes With Well-functioning Hips but Not Associated With Osteoarthritis. *Clinical Orthopaedics and Related Research*. 2016 Feb;474(2):342-52.

Chrastil J, Anderson, M., Stevens, V., Anand, R., Peters, C., Pelt, C. Is Hemoglobin A1c or Perioperative Hyperglycemia Predictive of Periprosthetic Joint Infection or Death Following Primary Total Joint Replacement? *The Journal of Arthroplasty*. 2015 Jul;30(7):1197-202.

Chrastil J, Sampson C, Jones KB, Higgins TF. Evaluating the Affect and Reversibility of Opioid-induced Androgen Deficiency in an Orthopaedic Animal Fracture Model. *Clinical Orthopaedics and Related Research*. 2014 Feb 19.

Chrastil J, Sampson C, Jones KB, Higgins TF. Postoperative opioid administration inhibits bone healing in an animal model. *Clinical Orthopaedics and Related Research*. 2013 Dec;471(12):4076-81.

Chrastil J, Low, JB., Whang, PG., Patel, AA. Complications associated with the use of the recombinant human bone morphogenetic proteins for posterior interbody fusions of the lumbar spine. *Spine (Phila Pa 1976)*. 2013 Jul 15;38(16)

Chrastil J, Patel AA. Complications Associated With Posterior and Transforaminal Lumbar Interbody Fusion. (Review). *Journal of the American Academy of Orthopaedic Surgeons*. 2012 May;20(5):283-291

Potula R, Haorah J, Knipe B, Leibhart J, **Chrastil J**, Heilman D, Dou H, Reddy R, Ghorpade A, Persidsky Y. Alcohol Abuse Enhances Neuroinflammation and Impairs Immune Responses in an Animal Model of Human Immunodeficiency Virus-1 Encephalitis. *The American Journal of Pathology*. 2006 April;168:1335-1344

Haorah J, Heilman D, Knipe B, **Chrastil J**, Leibhart J, Ghorpade A, Miller DW, Persidsky Y. Ethanol-induced activation of myosin light chain kinase leads to dysfunction of tight junctions and blood-brain barrier compromise. *Alcoholism, clinical and experimental research*. 2005 June;29(6):999-1009.

Potula R, Poluektova L, Knipe B, **Chrastil J**, Heilman D, Dou H, Takikawa O, Munn DH, Gendelman HE, Persidsky Y. Inhibition of indoleamine 2,3-dioxygenase (IDO) enhances elimination of virus-infected macrophages in an animal model of HIV-1 encephalitis. *Blood*. 2005 October 1;106(7):2382-2390.

Podium Presentations

American Academy of Orthopaedic Surgeons Annual Meeting 2015
Is Hemoglobin A1c Predictive of Periprosthetic Joint Infection or Death Following Primary Total Joint Replacement?
Pelt, C., **Chrastil, J.**, Anderson, M., Stevens, V., Anand, R., Duvall, S., Peters, C.

American Academy of Orthopaedic Surgeons Annual Meeting 2015
The 2015 Frank Stinchfield Award: Radiographic Abnormalities Common in Senior Athletes With Well-functioning Hips but Not Associated With Osteoarthritis.
Anderson LA, Anderson MB, Kapron A, Aoki SK, Erickson JA, **Chrastil J**, Grijalva R, Peters C.

Orthopaedic Trauma Association 2013
Opiates Impair Healing in Rat Femur Fracture Model
Chrastil, J., Sampson, C., Jones, K.B., Higgins, T.F.

Utah State Orthopaedic Society Conference 2012
Opioid Pain Medications Reduce Fracture Healing in an Animal Model
Chrastil, J., Sampson, C., Jones, K.B., Higgins, T.F.

Poster Presentations

American Academy of Orthopaedic Surgeons Annual Meeting 2015
THA for the Dysplastic Hip: Outcomes and Strategies to Optimize Component Placement and Reduce Complications (Scientific Exhibit)
Pelt, C., **Chrastil, J.**, Gililland, J., Erickson, J., Anderson, M., Peters, C.

American Academy of Orthopaedic Surgeons Annual Meeting 2014
Post-Operative Opioid Administration Inhibits Bone Healing in an Animal Model
Chrastil, J., Sampson, C., Jones, K.B., Higgins, T.F.

American Academy of Orthopaedic Surgeons Annual Meeting 2014
The Prevalence of Hip Morphologic Abnormalities in a Highly Active Senior Population
Anderson, L., Kapron, A., Aoki, S., **Chrastil, J.**, Anderson, MB., Grijalva, R., Erickson, J., Peters, CL.

University of Nebraska Medical Center Research Colloquium Poster Session 2005
Chrastil, J., Gendelman, HE., Gorantla, S. Expression of Neurotrophins in HIV-1 Encephalitis: Studies in an Animal Model

Book Chapters

Chrastil, J., Pelt, C., Erickson, J., Anderson, M., Peters, CL. Skeletally Mature Acetabular Dysplasia: Anatomy, Pathomorphology, Pathomechanics, Clinical Presentation, and Imaging Studies. Hip Arthroscopy and Hip Joint Preservation Surgery. Springer. 2014.