

Jesse Chrastil M.D.

Work Experience

Colorado Permanente Medical Group *Arthroplasty Surgeon – Department of Orthopedics*

- Completed > 600 arthroplasty surgeries in 2018 & 2019 ○ Completed > 50 at ambulatory surgery center

2014-Present

- Achieved 95th percentile for Overall Provider Interaction on patient satisfaction surveys

University of Utah Adult Recon & Hip Preservation, Salt Lake City, UT

Arthroplasty Fellow

University of Utah Dept. of Orthopedic Surgery, Salt Lake City, UT

Resident Physician

University of Nebraska Medical Center, Omaha, NE

Research Assistant

Post-Graduate Education

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

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

Graduate Education

Medical **University of Nebraska College of Medicine, Omaha, NE** *Doctorate*

Undergraduate Education

Bachelor of **University of Nebraska, Lincoln, NE** *Science* • Biological Sciences

Medical Licensures

- ABOS Part I Board Certified
- ABOS Part II Board Certified
- Active Licensure as Physician - Colorado

Professional Society Memberships

- American Association of Hip and Knee Surgeons • Editorial Reviewer for Journal of Arthroplasty
- American Academy of Orthopaedic Surgery
- Alpha Omega Alpha Medical Honor Society

- American Medical Association

Honors and Awards

- 5280 Magazine – Denver’s Top Doctors
- “Top 100” among CPMG physicians for Art of Medicine Scores
- Current Concepts Foundation Scholarship CCJR
- Graduate of University of Nebraska College of Medicine with High Distinction • Nebraska Medical Foundation C.A. McWhorter, M.D. Memorial Scholarship
- University of Nebraska Medical Center Regents Scholarship

2013-2014 2008-2013 2003-2004

2013-2014 2008-2013

2004-2008

1999-2003

2013

2016 2014-Present

2011-Present 2014-Present 2008-Present 2007-Present 2004-Present

2019

2018

2012

2008

2007

2007

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- 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

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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.