



## Julius Bishop, MD

Associate Professor of Orthopaedic Surgery

 Curriculum Vitae available Online

### CLINICAL OFFICE (PRIMARY)

- **Orthopaedic Specialists**

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Pavilion A 2nd Fl MC 6120

Redwood City, CA 94063

**Tel** (650) 723-5643    **Fax** (650) 721-3420

### ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

Donna San Juan - Administrative Associate

**Email** [dsanjuan@stanford.edu](mailto:dsanjuan@stanford.edu)

**Tel** 650.721.7626

### Bio

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#### BIO

Dr. Bishop specializes in treating fractures of the upper extremity, lower extremity, pelvis and acetabulum as well as the management of post-traumatic problems including malunion, nonunion and infection.

He received his undergraduate and medical school degrees from Harvard University and went on to complete the Harvard Combined Orthopaedic Surgery Residency Program. He pursued his subspecialty training in Orthopaedic Traumatology at the world-renowned Harborview Medical Center in Seattle, Washington.

His research interests include applying decision analysis models to orthopaedic trauma problems, studying clinical outcomes after musculoskeletal injury, orthopaedic biomechanics, the basic science of fracture healing, and evaluating new strategies and techniques in fracture surgery.

#### CLINICAL FOCUS

- Orthopaedic Trauma Surgery
- Fracture Fixation
- Orthopaedic Trauma

#### ACADEMIC APPOINTMENTS

- Associate Professor - University Medical Line, Orthopaedic Surgery
- Member, Bio-X
- Member, Wu Tsai Human Performance Alliance

#### HONORS AND AWARDS

- magna cum laude, Harvard College (2000)
- Chief Resident, Harvard Combined Orthopaedic Surgery Residency (2008-2009)

- OREF Fellowship Grant, Harborview Medical Center (2009-2010)
- J.W. Ewing Resident/Fellow Essay Award Timothy Crall MD- recipient, Arthroscopy Association of North America (2012)
- Best Poster Award (Open Reduction and Intramedullary Nailing of Closed Tibia Fractures), Western Orthopaedic Association (2012)
- The Saul Halpern MD Orthopaedic Educator Award, Stanford University (2012)
- Howard Rosen Table Instructor Award, AO North America (2012)
- Clinician Scholar Development Program, Orthopaedic Trauma Association (2013)
- Best Resident Research Award Timothy Wang MD- recipient, Northern California Orthopaedic Society (2013)
- Young Investigator Award, Western Orthopaedic Association (2014)
- Visiting Professor, Brigham and Women's Hospital/Harvard Medical School (2015)
- Top Reviewer, Clinical Orthopaedics and Related Research (2015)

## PROFESSIONAL EDUCATION

- Fellowship: Harborview Medical Center (2010) WA
- Residency: Harvard Medical School (2009) MA
- Internship: Brigham and Women's Hospital Harvard Medical School (2005) MA
- Medical Education: Harvard Medical School (2004) MA
- Board Certification: Orthopaedic Surgery, American Board of Orthopaedic Surgery (2012)
- Undergraduate, Harvard College , Cambridge MA (2000)

## LINKS

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Bishop specializes in treating fractures of the upper extremity, lower extremity, pelvis and acetabulum as well as the management of post-traumatic problems including malunion, nonunion and infection.

He received his undergraduate and medical school degrees from Harvard University and went on to complete the Harvard Combined Orthopaedic Surgery Residency Program. He pursued his subspecialty training in Orthopaedic Traumatology at the world-renowned Harborview Medical Center in Seattle, Washington.

His research interests include applying decision analysis models to orthopaedic trauma problems, studying clinical outcomes after musculoskeletal injury, orthopaedic biomechanics, the basic science of fracture healing, and evaluating new strategies and techniques in fracture surgery.

## Teaching

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### COURSES

#### 2025-26

- Introduction to Orthopedic Surgery: ORTHO 205 (Aut)
- Orthopaedic Surgical Anatomy: ORTHO 102, ORTHO 202 (Sum)
- Orthopedic Surgery Radiology Rounds: ORTHO 250 (Aut, Win, Spr)

#### 2024-25

- Introduction to Orthopedic Surgery: ORTHO 205 (Aut)
- Orthopaedic Surgical Anatomy: ORTHO 102, ORTHO 202 (Sum)
- Orthopedic Surgery Radiology Rounds: ORTHO 250 (Aut, Win, Spr)

#### 2023-24

- Introduction to Orthopedic Surgery: ORTHO 205 (Aut)
- Orthopaedic Surgical Anatomy: ORTHO 102, ORTHO 202 (Sum)

#### 2022-23

- Introduction to Orthopedic Surgery: ORTHO 205 (Aut)
- Orthopaedic Surgical Anatomy: ORTHO 102, ORTHO 202 (Sum)

## Publications

### PUBLICATIONS

- **Under-prescribed and underutilized: National trends in osteoporosis medication use after fragility fracture.** *Bone*  
Wadhwa, H., Isakoff, K. J., Pham, N. S., Goodnough, L. H., Bishop, J. A., Gardner, M. J.  
2026; 117835
- **Proximal Implant Breakage after Cephalomedullary Nailing of Extra-capsular Proximal Femur Fractures: A Multi-Center Retrospective Comparative Analysis.** *Journal of orthopaedic trauma*  
Van Rysselberghe, N. L., Michaud, J. B., Gonzalez, C. A., Whittaker, M. J., Parikh, H., Wang, J., Robles, A., Horne, A., Cavanaugh, G., Esper, G., Amirhekmat, A., Berhaneselase, E., Marengi, et al  
2026
- **Outcomes of delayed arthroplasty after failed nonoperative management of valgus-impacted femoral neck fractures are comparable with outcomes of acute arthroplasty.** *Journal of orthopaedic trauma*  
Isakoff, K. J., Tedesco, C. L., Wadhwa, H., Wong, H. J., Koltsov, J. C., Gardner, M. J., Bishop, J. A., Goodnough, L. H.  
2025
- **Understanding the radiographic anatomy of the patella to avoid placement of intra-articular implants.** *European journal of orthopaedic surgery & traumatology : orthopedie traumatologie*  
Pius, A., Cruz, J., Tedesco, C., Skaggs, K., Hunt, A., Goodnough, H., Gardner, M., Bishop, J.  
2025; 35 (1): 411
- **Early outcomes of the synthes femoral neck system for valgus-impacted femoral neck fractures: a multicenter retrospective study** *EUROPEAN JOURNAL OF ORTHOPAEDIC SURGERY AND TRAUMATOLOGY*  
Van Rysselberghe, N. L., Wadhwa, H., Tigchelaar, S. S., Shin, S. K., McCallie, R. W., Miller, E. M., Barghi, A., Moore, R. S., Hankins, A., Sharp, J., Dunbar, R. P., Githens, M. F., Nork, et al  
2025; 35 (1)
- **Incidence and outcomes of radial nerve palsy in distal third diaphyseal humerus fractures after surgical fixation.** *European journal of orthopaedic surgery & traumatology : orthopedie traumatologie*  
Cruz, J. P., Durtschi, M., Chalmers, C., Belk, A., Finlay, A., Chandar, S. R., Tedesco, C. L., Scolaro, J., Goodnough, L. H., Bishop, J. A., Gardner, M. J.  
2025; 35 (1): 330
- **Cost of Orthopaedic Trauma Surgery is Weakly Associated with Industry Payments to Surgeons.** *Journal of orthopaedic trauma*  
Wadhwa, H., Touponse, G., Li, G., Bishop, J. A., Zygorakis, C. C.  
2025
- **Imposter Syndrome Among Orthopaedic Surgery Residents is Extremely Common and Disproportionately Affects Female Residents.** *JB & JS open access*  
Wadhwa, H., Khela, H. S., Khela, M. S., Van Rysselberghe, N., Hunt, A. A., Lu, L., Bishop, J.  
2025; 10 (2)
- **Human skeletal development and regeneration are shaped by functional diversity of stem cells across skeletal sites.** *Cell stem cell*

Ambrosi, T. H., Taheri, S., Chen, K., Sinha, R., Wang, Y., Hunt, E. J., Goodnough, L. H., Murphy, M. P., Steininger, H. M., Hoover, M. Y., Felix, F., Weldon, K. C., Koepke, et al  
2025

- **Preoperative and Postoperative Therapeutic Anticoagulation in Orthopaedic Surgery Increases the Risk of Bleeding: A Systematic Review and Meta-Analysis.** *The Journal of the American Academy of Orthopaedic Surgeons*  
Wadhwa, H., Rohde, M. S., Xiao, M., Maschhoff, C., Bishop, J. A., Gardner, M. J., Goodnough, L. H.  
2024
- **Integrated Dual Lag Screws Have Higher Reoperation Rates for Fixation Failure Than Single Lag Component Cephalomedullary Nails: A Retrospective Study of 2,130 Patients with Intertrochanteric Femoral Fractures.** *The Journal of bone and joint surgery. American volume*  
Gonzalez, C. A., Van Rysselberghe, N. L., Whittaker, M. J., Ngo, D., Michaud, J. B., Gardner, M. J.  
2024
- **Outcomes of isolated medial tibial plateau fractures by fracture morphology.** *Injury*  
Cruz, J. P., Michaud, J. B., Van Rysselberghe, N. L., Walsh, D., Svetgoff, R., Bailey, R., Pirkle, S. B., Megerian, M. F., Harbison, G. J., Becerra, J. A., Sakka, B., Vega, A., Bohlen, et al  
2024; 55 (8): 111662
- **Historic indications for fixation of posterior malleolus fractures- where did they come from and where are we now?** *Injury*  
Hunt, A. A., Maschhoff, C., Van Rysselberghe, N., Gonzalez, C. A., Goodnough, H., Gardner, M., Bishop, J. A.  
2024; 55 (6): 111537
- **3D Topographical Scanning for the Detection of Osteoporosis.** *Journal of frailty, sarcopenia and falls*  
Maschhoff, C. W., Oquendo, Y., Michaud, J. B., Carey, D., Jamero, C., Bishop, J. A., Jin, C., DeBaun, M., Gardner, M. J.  
2024; 9 (1): 4-9
- **The use of hinged elbow orthosis following surgical management of terrible triad injuries of the elbow.** *European journal of orthopaedic surgery & traumatology : orthopedie traumatologie*  
Cruz, J. P., Salazar, B., van Niekerk, M., Finlay, A. K., Van Rysselberghe, N. L., Goodnough, L. H., Bishop, J. A., Gardner, M. J.  
2024
- **Factors Associated With Psychiatry Consultation for Musculoskeletal Trauma Patients.** *Journal of patient experience*  
Campbell, S. T., Kortlever, J. T., Franciscus, A. M., Ravindranath, D., Ring, D., Bishop, J. A., Science of Variation Group  
2024; 11: 23743735241299912
- **Factors affecting residency selection for underrepresented minorities pursuing orthopaedic surgery.** *Journal of the National Medical Association*  
Hunt, A. A., Calderon, C., Bishop, J. A.  
2023
- **Incisional negative pressure wound therapy may not protect against post-operative surgical site complications in bicondylar tibial plateau fractures.** *European journal of orthopaedic surgery & traumatology : orthopedie traumatologie*  
Johnson, T. R., Oquendo, Y. A., Seltzer, R., Van Rysselberghe, N. L., Bishop, J. A., Gardner, M. J.  
2023
- **Retrograde Intramedullary Nailing Versus Locked Plating for Extreme Distal Periprosthetic Femur Fractures: A Multicenter Retrospective Cohort Study.** *Journal of orthopaedic trauma*  
Van Rysselberghe, N. L., Seltzer, R., Lawson, T. A., Kuether, J., White, P., Grisdela, P., Daniell, H., Amirhekmat, A., Merchan, N., Seaver, T., Samineni, A., Saiz, A., Ngo, et al  
2023
- **Interaction of preoperative chemoprophylaxis and tranexamic acid use does not affect transfusion in acetabular fracture surgery.** *European journal of orthopaedic surgery & traumatology : orthopedie traumatologie*  
Wadhwa, H., Rohde, M., Oquendo, Y., Chen, M. J., Tigchelaar, S. S., Bellino, M., Bishop, J., Gardner, M. J.  
2023
- **Supplemental fixation of distal femur fractures: a review of biomechanical and clinical evidence** *CURRENT ORTHOPAEDIC PRACTICE*  
Wadhwa, H., Goodnough, L., Sharma, J., Maschhoff, C. W., Van Rysselberghe, N. L., Bishop, J. A., Gardner, M. J.  
2023; 34 (4): 201-207

- **Purification and functional characterization of novel human skeletal stem cell lineages.** *Nature protocols*  
Hoover, M. Y., Ambrosi, T. H., Steininger, H. M., Koepke, L. S., Wang, Y., Zhao, L., Murphy, M. P., Alam, A. A., Arouge, E. J., Butler, M. G., Takematsu, E., Stavitsky, S. P., Hu, et al  
2023
- **Arthroplasty for femoral neck fractures is at risk for under restoration of lateral femoral offset.** *Hip international : the journal of clinical and experimental research on hip pathology and therapy*  
Shah, H. N., Barrett, A. A., Finlay, A. K., Arora, P., Bellino, M. J., Bishop, J. A., Gardner, M. J., Miller, M. D., Huddleston, J. I., Maloney, W. J., Goodman, S. B., Amanatullah, D. F.  
2023: 11207000231169914
- **External Fixator Usage and Delayed MRI Scans: A National Survey Study.** *The Journal of the American Academy of Orthopaedic Surgeons*  
Van Rysselberghe, N. L., Fithian, A. T., Kim, H. B., Sung, J. C., Chou, B. B., Bishop, J. A., Gardner, M. J., Lucas, J. F., Hecht, G. G.  
2023
- **Optimizing Orthopaedic Trauma Implant Pricing Through a Data-Driven and Surgeon-Integrated Approach.** *Journal of orthopaedic trauma*  
Seltzer, R., Johnson, J. R., McFarlane, K., Chawla, A., Chamberlain, S., Kohler, M., Sheth, K., Wall, J. K., Bishop, J., Gardner, M., Shea, K. G.  
2022
- **Effectiveness of melatonin treatment for sleep disturbance in orthopaedic trauma patients: A prospective, randomized control trial.** *Injury*  
Tanner, N., Schultz, B., Calderon, C., Fithian, A., Segovia, N., Bishop, J., Gardner, M.  
2022; 53 (12): 3945-3949
- **Do superficial infections increase the risk of deep infections in tibial plateau and plafond fractures?** *EUROPEAN JOURNAL OF ORTHOPAEDIC SURGERY AND TRAUMATOLOGY*  
Patterson, J. T., O'Hara, N. N., Scharfstein, D. O., Castillo, R. C., O'Toole, R., Firoozabadi, R., METRC  
2022
- **Effect of Supplemental Perioperative Oxygen on SSI Among Adults with Lower-Extremity Fractures at Increased Risk for Infection A Randomized Clinical Trial** *JOURNAL OF BONE AND JOINT SURGERY-AMERICAN VOLUME*  
O'Toole, R., Joshi, M. G., Carlini, A. R., Huang, Y., Murray, C. K., Bosse, M. J., Scharfstein, D. O., Frca, A., Gary, J. L., Karunakar, M. A., Weaver, M. J., Obremskey, W., McKinley, et al  
2022; 104 (14): 1236-1243
- **Drilling the cement mantle in well-fixed periprosthetic femur fractures is not associated with arthroplasty-related complications.** *European journal of orthopaedic surgery & traumatology : orthopedie traumatologie*  
Van Rysselberghe, N. L., DeBaun, M. R., Sanchez, M., Wadhwa, H., Pfaff, K. E., Bellino, M. J., Gardner, M. J., Bishop, J. A.  
2022
- **Mini-fragment plating of olecranon fractures is comparable to precontoured small-fragment plating.** *Journal of orthopaedics*  
Wadhwa, H., Oquendo, Y. A., Goodnough, L. H., DeBaun, M. R., Bishop, J. A., Gardner, M. J.  
2022; 30: 41-45
- **Musculoskeletal Educational Resources for the Aspiring Orthopaedic Surgeon.** *JB & JS open access*  
Wadhwa, H., Van Rysselberghe, N. L., Campbell, S. T., Bishop, J. A.  
2022; 7 (1)
- **Countersinking the Lag Screw or Blade During Cephalomedullary Nailing of Geriatric Intertrochanteric Femur Fractures: Less Collapse and Implant Prominence Without Increased Cutout Rates.** *The Journal of the American Academy of Orthopaedic Surgeons*  
Henry Goodnough, L., Wadhwa, H., Tigchelaar, S. S., Pfaff, K., Heffner, M., van Rysselberghe, N., DeBaun, M. R., Gardner, M. J., Bishop, J. A.  
1800; 30 (1): e83-e90
- **Cross-species comparisons reveal resistance of human skeletal stem cells to inhibition by non-steroidal anti-inflammatory drugs.** *Frontiers in endocrinology*  
Goodnough, L. H., Ambrosi, T. H., Steininger, H. M., Butler, M. G., Hoover, M. Y., Choo, H., Van Rysselberghe, N. L., Bellino, M. J., Bishop, J. A., Gardner, M. J., Chan, C. K.  
2022; 13: 924927
- **A prescribing protocol decreases the rate of chronic opioid use in orthopaedic trauma patients: a prospective quality improvement study** *CURRENT ORTHOPAEDIC PRACTICE*  
Fithian, A. T., Chavez, G., Nathan, K., Campbell, S. T., Bishop, J. A., Gardner, M. J.

2021; 32 (6): 555-558

- **To Fix or Revise: Differences in Periprosthetic Distal Femur Fracture Management Between Trauma and Arthroplasty Surgeons.** *The Journal of the American Academy of Orthopaedic Surgeons*  
Van Rysselberghe, N. L., Campbell, S. T., Goodnough, L. H., Amanatullah, D. F., Gardner, M. J., Bishop, J. A.  
2021
- **Biomechanically superior treatments do not translate into improved outcomes in randomized controlled trials.** *European journal of orthopaedic surgery & traumatology : orthopedie traumatologie*  
Xiong, G. X., Kang, J. R., Sharma, J., Finlay, A., Gardner, M. J., Bishop, J. A.  
2021
- **Antibiotic resistance: still a cause of concern?** *OTA international : the open access journal of orthopaedic trauma*  
DeBaun, M. R., Lai, C., Sanchez, M., Chen, M. J., Goodnough, L. H., Chang, A., Bishop, J. A., Gardner, M. J.  
2021; 4 (3 Suppl)
- **Tranexamic acid does not affect intraoperative blood loss or in-hospital outcomes after acetabular fracture surgery.** *European journal of orthopaedic surgery & traumatology : orthopedie traumatologie*  
Wadhwa, H., Tigchelaar, S. S., Chen, M. J., Koltsov, J. C., Bellino, M. J., Bishop, J. A., Gardner, M. J.  
2021
- **Hypotensive Anesthesia does not reduce Transfusion Rates during and after Acetabular Fracture Surgery.** *Injury*  
Wadhwa, H., Chen, M. J., Tigchelaar, S. S., Bellino, M. J., Bishop, J. A., Gardner, M. J.  
2021
- **Research methodologic quality varies significantly by subspecialty: An analysis of AAOS meeting abstracts.** *Journal of clinical orthopaedics and trauma*  
Souza, K. E., Chan, J. Y., Campbell, S. T., Bishop, J. A.  
2021; 15: 37–41
- **White-Light Body Scanning Captures Three-Dimensional Shoulder Deformity After Displaced Diaphyseal Clavicle Fracture.** *Journal of orthopaedic trauma*  
DeBaun, M. R., Lai, C., Schultz, B. J., Oquendo, Y. A., Campbell, S. T., Goodnough, L. H., Bishop, J. A., Gardner, M. J.  
2021; 35 (4): e142–e147
- **Effect of Intrawound Vancomycin Powder in Operatively Treated High-risk Tibia Fractures: A Randomized Clinical Trial.** *JAMA surgery*  
Major Extremity Trauma Research Consortium (METRC), O'Toole, R. V., Joshi, M., Carlini, A. R., Murray, C. K., Allen, L. E., Huang, Y., Scharfstein, D. O., O'Hara, N. N., Gary, J. L., Bosse, M. J., Castillo, R. C., Bishop, J. A., et al  
2021: e207259
- **Do-Not-Resuscitate status is an independent risk factor for medical complications and mortality among geriatric patients sustaining hip fractures.** *Journal of clinical orthopaedics and trauma*  
Bosch, L. C., Nathan, K., Lu, L. Y., Campbell, S. T., Gardner, M. J., Bishop, J. A.  
2021; 14: 65–68
- **Cephalomedullary helical blade is independently associated with less collapse in intertrochanteric femur fractures than lag screws.** *European journal of orthopaedic surgery & traumatology : orthopedie traumatologie*  
Goodnough, L. H., Wadhwa, H., Tigchelaar, S. S., Pfaff, K., Heffner, M., Van Rysselberghe, N., DeBaun, M. R., Bishop, J. A., Gardner, M. J.  
2021
- **Low profile fragment specific plate fixation of lateral tibial plateau fractures - A technical note.** *Injury*  
Chen, M. J., Frey, C. S., Salazar, B. P., Gardner, M. J., Bishop, J. A.  
2021
- **Late Venous Thoracic Outlet Syndrome After Anatomic Fixation of a Diaphyseal Clavicle Fracture: A Case Report.** *JBJS case connector*  
Fogel, N., Lee, J. T., Bishop, J. A.  
2021; 11 (1)
- **Incidence and Management of Articular Impaction in Geriatric Olecranon Fractures.** *The Journal of the American Academy of Orthopaedic Surgeons*  
Wadhwa, H. n., Goodnough, L. H., Finlay, A. K., DeBaun, M. R., Campbell, S. T., Hecht, G. n., Lucas, J. F., Bishop, J. A., Gardner, M. J.

2021

- **Distal Femur Replacement versus Open Reduction and Internal Fixation for Treatment of Periprosthetic Distal Femur Fractures: Systematic Review and Meta-Analysis.** *Journal of orthopaedic trauma*  
Wadhwa, H. n., Salazar, B. P., Goodnough, L. H., Van Rysselberghe, N. L., DeBaun, M. R., Wong, H. N., Gardner, M. J., Bishop, J. A.  
2021
- **ICD-10 codes do not accurately reflect ankle fracture injury patterns.** *Injury*  
Seltzer, R. A., Van Rysselberghe, N. L., Fithian, A. T., LaPrade, C. M., Sharma, J., Oquendo, Y. A., Michaud, J. B., DeBaun, M. R., Gardner, M. J., Bishop, J. A.  
2021
- **Distal femoral fine wire traction assisted retrograde nailing of the femur.** *European journal of orthopaedic surgery & traumatology : orthopedie traumatologie*  
Chen, M. J., Avedian, R. S., Gardner, M. J., Bishop, J. A.  
2021
- **Management of the posterior wall fracture in associated both column fractures of the acetabulum.** *European journal of orthopaedic surgery & traumatology : orthopedie traumatologie*  
Chen, M. J., Hollyer, I. n., Wadhwa, H. n., Tigchelaar, S. S., Van Rysselberghe, N. L., Bishop, J. A., Bellino, M. J., Gardner, M. J.  
2021
- **Short versus long cephalomedullary nailing of intertrochanteric fractures: a meta-analysis of 3208 patients.** *Archives of orthopaedic and trauma surgery*  
Cinque, M. E., Goodnough, L. H., Md, B. J., Fithian, A. T., DeBaun, M. n., Lucas, J. F., Md, M. J., Bishop, J. A.  
2021
- **Gluteus Minimus Debridement During Acetabular Fracture Surgery Does Not Prevent Heterotopic Ossification - A Comparative Study.** *Journal of orthopaedic trauma*  
Chen, M. J., Tigchelaar, S. S., Wadhwa, H. n., Frey, C. S., Bishop, J. A., Gardner, M. J., Bellino, M. J.  
2021
- **Artificial Neural Networks Predict 30-Day Mortality After Hip Fracture: Insights From Machine Learning.** *The Journal of the American Academy of Orthopaedic Surgeons*  
DeBaun, M. R., Chavez, G., Fithian, A., Oladeji, K., Van Rysselberghe, N., Goodnough, L. H., Bishop, J. A., Gardner, M. J.  
2020
- **Iatrogenic Compartment Syndrome After Delayed Primary Closure of the Tibial Fracture-Related Leg Fasciotomy Wound: A Case Report.** *JBJS case connector*  
Karamian, B. A., Bishop, J. A.  
2020; 10 (4)
- **Lateral Distractor Use During Internal Fixation of Tibial Plateau Fractures Has Minimal Risk of Iatrogenic Peroneal Nerve Palsy.** *Journal of orthopaedic trauma*  
Chen, M. J., Salazar, B. P., Tigchelaar, S. S., Frey, C. S., DeBaun, M. R., Goodnough, L. H., Bellino, M. J., Bishop, J. A., Gardner, M. J.  
2020
- **Can upstream patient education improve fracture care in a digital world? Use of a decision aid for the treatment of displaced diaphyseal clavicle fractures.** *Journal of orthopaedic trauma*  
Lai, C. H., DeBaun, M. R., Van Rysselberghe, N., Abrams, G. D., Kamal, R. N., Bishop, J. A., Gardner, M. J.  
2020
- **Delayed Union of a Diaphyseal Forearm Fracture Associated With Impaired Osteogenic Differentiation of Prospectively Isolated Human Skeletal Stem Cells.** *JBMR plus*  
Goodnough, L. H., Ambrosi, T. H., Steining, H., DeBaun, M. R., Abrams, G. D., McAdams, T. R., Gardner, M. J., Chan, C. K., Bishop, J. A.  
2020; 4 (10): e10398
- **Dual mini-fragment plate fixation for Neer type-II and -V distal clavicle fractures.** *OTA international : the open access journal of orthopaedic trauma*  
Chen, M. J., Salazar, B. P., Bishop, J. A., Gardner, M. J.  
2020; 3 (3): e078

- **Contouring Plates in Fracture Surgery: Indications and Pitfalls.** *The Journal of the American Academy of Orthopaedic Surgeons*  
Bishop, J. A., Campbell, S. T., Graves, M. L., Gardner, M. J.  
2020; 28 (14): 585-595
- **Surgical and Nonoperative Management of Olecranon Fractures in the Elderly: A Systematic Review and Meta-Analysis.** *Journal of orthopaedic trauma*  
Chen, M. J., Campbell, S. T., Finlay, A. K., Duckworth, A. D., Bishop, J. A., Gardner, M. J.  
2020
- **Distal Femur Replacement versus Surgical Fixation for the Treatment of Geriatric Distal Femur Fractures: A Systematic Review.** *Journal of orthopaedic trauma*  
Salazar, B. P., Babian, A. R., DeBaun, M. R., Githens, M. F., Chavez, G. A., Goodnough, H., Gardner, M. J., Bishop, J. A.  
2020
- **Geriatric fragility fractures are associated with a human skeletal stem cell defect.** *Aging cell*  
Ambrosi, T. H., Goodnough, L. H., Steininger, H. M., Hoover, M. Y., Kim, E., Koepke, L. S., Marecic, O., Zhao, L., Seita, J., Bishop, J. A., Gardner, M. J., Chan, C. K.  
2020: e13164
- **Complication Rates after Lateral Plate Fixation of Periprosthetic Distal Femur Fractures: A Multicenter Study.** *Injury*  
Campbell, S. T., Lim, P. K., Kantor, A. H., Gausden, E. B., Goodnough, L. H., Park, A. Y., Bishop, J. A., Achor, T. S., Scolaro, J. A., Gardner, M. J.  
2020
- **How do pilon fractures heal? An analysis of dual plating and bridging callus formation.** *Injury*  
Campbell, S. T., Goodnough, L. H., Salazar, B., Lucas, J. F., Bishop, J. A., Gardner, M. J.  
2020
- **Contouring Plates in Fracture Surgery: Indications and Pitfalls.** *The Journal of the American Academy of Orthopaedic Surgeons*  
Bishop, J. A., Campbell, S. T., Graves, M. L., Gardner, M. J.  
2020
- **Hook versus locking plate fixation for Neer type-II and type-V distal clavicle fractures: a retrospective cohort study.** *European journal of orthopaedic surgery & traumatology : orthopedie traumatologie*  
Chen, M. J., DeBaun, M. R., Salazar, B. P., Lai, C., Bishop, J. A., Gardner, M. J.  
2020
- **Variability in opioid prescribing following fracture fixation: A retrospective cohort analysis** *CURRENT ORTHOPAEDIC PRACTICE*  
Fithian, A., Nathan, K., Campbell, S. T., Finlay, A., Bishop, J., Gardner, M. J.  
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