

# Stanford

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## Julius Bishop, MD

Assistant Professor of Orthopaedic Surgery at the Stanford University Medical Center

 Curriculum Vitae available Online

### CLINICAL OFFICES

- **Orthopaedic Specialists**

450 Broadway St

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

**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 Surgery
- Orthopaedic Trauma Surgery
- Fracture Fixation

#### ACADEMIC APPOINTMENTS

- Assistant Professor - Med Center Line, Orthopaedic Surgery
- Member, Bio-X

#### 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.

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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

#### 2018-19

- Orthopaedic Surgical Anatomy: ORTHO 102, ORTHO 202 (Sum)

#### 2016-17

- Orthopaedic Surgical Anatomy: ORTHO 102, ORTHO 202 (Sum)

#### 2015-16

- Orthopaedic Surgical Anatomy: ORTHO 102, ORTHO 202 (Sum)

## Publications

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### PUBLICATIONS

- **Orthopaedic Trauma Quality Measures for Value Based Healthcare Delivery: A Systematic Review.** *Journal of orthopaedic trauma*  
DeBaun, M. R., Chen, M. J., Bishop, J. A., Gardner, M. J., Kamal, R. N.  
2019
- **Distal Femur Locking Plates Fit Poorly Before and After Total Knee Arthroplasty.** *Journal of orthopaedic trauma*  
Campbell, S. T., Bosch, L. C., Swinford, S., Amanatullah, D. F., Bishop, J. A., Gardner, M. J.  
2019
- **Lower Complication Rate Following Ankle Fracture Fixation by Orthopaedic Surgeons Versus Podiatrists.** *The Journal of the American Academy of Orthopaedic Surgeons*  
Chan, J. Y., Truntzer, J. N., Gardner, M. J., Bishop, J. A.  
2018
- **Prophylactic Fixation Can Be Cost-effective in Preventing a Contralateral Bisphosphonate-associated Femur Fracture.** *Clinical orthopaedics and related research*  
Jiang, S. Y., Kaufman, D. J., Chien, B. Y., Longoria, M., Shachter, R., Bishop, J. A.  
2018
- **A Preclinical Induced Membrane Model to Evaluate Synthetic Implants for Healing Critical Bone Defects Without Autograft.** *Journal of orthopaedic research : official publication of the Orthopaedic Research Society*  
DeBaun, M. R., Stahl, A. M., Daoud, A. I., Pan, C., Bishop, J. A., Gardner, M. J., Yang, Y. P.  
2018
- **Identification of the Human Skeletal Stem Cell.** *Cell*  
Chan, C. K., Gulati, G. S., Sinha, R., Tompkins, J. V., Lopez, M., Carter, A. C., Ransom, R. C., Reinisch, A., Wearda, T., Murphy, M., Brewer, R. E., Koepke, L. S., Marecic, et al  
2018; 175 (1): 43
- **Knee Pain After Intramedullary Nailing of Tibia Fractures: Prevalence, Etiology, and Treatment.** *The Journal of the American Academy of Orthopaedic Surgeons*  
Bishop, J. A., Campbell, S. T., Eno, J. T., Gardner, M. J.  
2018
- **A Structured Review Instrument Improves the Quality of Orthopaedic Journal Club.** *Journal of surgical education*  
Campbell, S. T., Kleimeyer, J. P., Young, J. L., Gardner, M. J., Wood, K. B., Bishop, J. A.  
2018
- **Percutaneous versus Open Treatment of Posterior Pelvic Ring Injuries: Changes in Practice Patterns Over Time.** *Journal of orthopaedic trauma*  
Gire, J. D., Jiang, S. Y., Gardner, M. J., Bishop, J. A.  
2018
- **Which orthopaedic trauma patients need psychiatry consultation? A single institution pilot survey study** *CURRENT ORTHOPAEDIC PRACTICE*  
Campbell, S. T., Schultz, B. J., Franciscus, A. M., Ravindranath, D., Bishop, J. A.  
2018; 29 (3): 270–74
- **What Makes Journal Club Effective?-A Survey of Orthopaedic Residents and Faculty.** *Journal of surgical education*  
Campbell, S. T., Kang, J. R., Bishop, J. A.  
2018; 75 (3): 722–29
- **Defining the width of the normal tibial plateau relative to the distal femur: Critical normative data for identifying pathologic widening in tibial plateau fractures.** *Clinical anatomy (New York, N.Y.)*  
Johannsen, A. M., Cook, A. M., Gardner, M., Bishop, J. A.  
2018
- **Avoiding Neurovascular Risk During Percutaneous Clamp Reduction of Spiral Tibial Shaft Fractures: An Anatomic Correlation with Computed Tomography.** *Journal of orthopaedic trauma*

- Horrigan, P. B., Coughlan, M. J., DeBaun, M., Schultz, B., Bishop, J. A., Gardner, M. J.  
2018
- **Pediatric Supracondylar Humerus Fractures: Does After-Hours Treatment Influence Outcomes?** *Journal of orthopaedic trauma*  
Paci, G. M., Tileston, K. R., Vorhies, J. S., Bishop, J. A.  
2018; 32 (6): e215–e220
  - **Does the Watson-Jones or Modified Smith-Petersen Approach Provide Superior Exposure for Femoral Neck Fracture Fixation?** *Clinical orthopaedics and related research*  
Lichstein, P. M., Kleimeyer, J. P., Githens, M., Vorhies, J. S., Gardner, M. J., Bellino, M., Bishop, J.  
2018
  - **Bilateral Sacral Ala Fractures Are Strongly Associated With Lumbopelvic Instability** *JOURNAL OF ORTHOPAEDIC TRAUMA*  
Bishop, J. A., Dangelmajer, S., Corcoran-Schwartz, I., Gardner, M. J., Roult, M., Castillo, T. N.  
2017; 31 (12): 636–39
  - **Are factor Xa inhibitors effective thromboprophylaxis following hip fracture surgery?: A large national database study.** *Injury*  
Campbell, S. T., Bala, A., Jiang, S. Y., Gardner, M. J., Bishop, J. A.  
2017
  - **Continuous Femoral Nerve Catheters Decrease Opioid-Related Side Effects and Increase Home Disposition Rates Among Geriatric Hip Fracture Patients.** *Journal of orthopaedic trauma*  
Arsoy, D., Gardner, M. J., Amanatullah, D. F., Huddleston, J. I., Goodman, S. B., Maloney, W. J., Bishop, J. A.  
2017; 31 (6): e186–e189
  - **Buttress Plating versus Anterior-to-Posterior Lag Screws for Fixation of the Posterior Malleolus: A Biomechanical Study.** *Journal of orthopaedic trauma*  
Bennett, C., Behn, A., Daoud, A., Nork, S., Sangeorzan, B., Dikos, G., Bishop, J.  
2016: -?
  - **Are Early Career Orthopaedic Trauma Surgeons Performing Less Complex Trauma Surgery?** *JOURNAL OF ORTHOPAEDIC TRAUMA*  
Gire, J. D., Gardner, M. J., Harris, A. H., Bishop, J. A.  
2016; 30 (10): 525-529
  - **Admission Through the Emergency Department Is an Independent Risk Factor for Lower Satisfaction With Physician Performance Among Orthopaedic Surgery Patients: A Multicenter Study** *JOURNAL OF THE AMERICAN ACADEMY OF ORTHOPAEDIC SURGEONS*  
Vorhies, J. S., Weaver, M. J., Bishop, J. A.  
2016; 24 (10): 735-742
  - **The Effect of Transiliac-Transsacral Screw Fixation for Pelvic Ring Injuries on the Uninjured Sacroiliac Joint** *JOURNAL OF ORTHOPAEDIC TRAUMA*  
Mardam-Bey, S. W., Beebe, M. J., Black, J. C., Chang, E. Y., Kubiak, E. N., Bishop, J. A., McAndrew, C. M., Ricci, W. M., Gardner, M. J.  
2016; 30 (9): 463-468
  - **Cancellous Screws Are Biomechanically Superior to Cortical Screws in Metaphyseal Bone** *ORTHOPEDICS*  
Wang, T., Boone, C., Behn, A. W., Ledesma, J. B., Bishop, J. A.  
2016; 39 (5): E828-E832
  - **Evaluation of Contemporary Trends in Femoral Neck Fracture Management Reveals Discrepancies in Treatment.** *Geriatric orthopaedic surgery & rehabilitation*  
Bishop, J., Yang, A., Githens, M., Sox, A. H.  
2016; 7 (3): 135-141
  - **The Effects of Limb Elevation on Muscle Oxygen Saturation: A Near-Infrared Spectroscopy Study in Humans** *PM&R*  
Palanca, A. A., Yang, A., Bishop, J. A.  
2016; 8 (3): 221-224
  - **The Effects of Limb Elevation on Muscle Oxygen Saturation: A Near-Infrared Spectroscopy Study in Humans.** *PM & R : the journal of injury, function, and rehabilitation*  
Palanca, A. A., Yang, A., Bishop, J. A.  
2016; 8 (3): 221-224
  - **Operative Versus Nonoperative Treatment of Jones Fractures: A Decision Analysis Model.** *American journal of orthopedics (Belle Mead, N.J.)*

- Bishop, J. A., Braun, H. J., Hunt, K. J.  
2016; 45 (3): E69-76
- **Arthroscopic Reduction and Internal Fixation of an Inferior Glenoid Fracture With Scapular Extension (Ideberg V).** *Arthroscopy techniques*  
Tuman, J. M., Bishop, J. A., Abrams, G. D.  
2015; 4 (6): e869-72
  - **Which Fixation Device is Preferred for Surgical Treatment of Intertrochanteric Hip Fractures in the United States? A Survey of Orthopaedic Surgeons.** *Clinical orthopaedics and related research*  
Niu, E., Yang, A., Harris, A. H., Bishop, J.  
2015; 473 (11): 3647-3655
  - **Conventional versus virtual radiographs of the injured pelvis and acetabulum** *SKELETAL RADIOLOGY*  
Bishop, J. A., Rao, A. J., Pouliot, M. A., Beaulieu, C., Bellino, M.  
2015; 44 (9): 1303-1308
  - **The Inadequacy of Pediatric Fracture Care Information in Emergency Medicine and Pediatric Literature and Online Resources.** *Journal of pediatric orthopedics*  
Tileston, K., Bishop, J. A.  
2015; 35 (7): 769-773
  - **Anterolateral Versus Medial Plating of Distal Extra-articular Tibia Fractures: A Biomechanical Model** *ORTHOPEDICS*  
Pirolo, J. M., Behn, A. W., Abrams, G. D., Bishop, J. A.  
2015; 38 (9): E760-E765
  - **The prevalence of sacroiliac joint degeneration in asymptomatic adults.** *journal of bone and joint surgery. American volume*  
Eno, J. T., Boone, C. R., Bellino, M. J., Bishop, J. A.  
2015; 97 (11): 932-936
  - **The Prevalence of Sacroiliac Joint Degeneration in Asymptomatic Adults** *JOURNAL OF BONE AND JOINT SURGERY-AMERICAN VOLUME*  
Eno, J. T., Boone, C. R., Bellino, M. J., Bishop, J. A.  
2015; 97A (11): 932-936
  - **CORR Insights @: A dedicated research program increases the quantity and quality of orthopaedic resident publications.** *Clinical orthopaedics and related research*  
Bishop, J. A.  
2015; 473 (4): 1522-1523
  - **Terrible Triad Elbow Fracture-Dislocation With Triceps and Flexor-Pronator Mass Avulsion** *ORTHOPEDICS*  
Gajendran, V. K., Bishop, J. A.  
2015; 38 (2): E143-E146
  - **Open Reduction and Internal Fixation Versus Total Elbow Arthroplasty for the Treatment of Geriatric Distal Humerus Fractures: A Systematic Review and Meta-Analysis** *JOURNAL OF ORTHOPAEDIC TRAUMA*  
Githens, M., Yao, J., Sox, A. H., Bishop, J.  
2014; 28 (8): 481-488
  - **Fabrication, vascularization and osteogenic properties of a novel synthetic biomimetic induced membrane for the treatment of large bone defects.** *Bone*  
Ren, L., Kang, Y., Browne, C., Bishop, J., Yang, Y.  
2014; 64: 173-182
  - **Fabrication, vascularization and osteogenic properties of a novel synthetic biomimetic induced membrane for the treatment of large bone defects.** *Bone*  
Ren, L., Kang, Y., Browne, C., Bishop, J., Yang, Y.  
2014; 64: 173-182
  - **Delayed union and nonunions: Epidemiology, clinical issues, and financial aspects** *INJURY-INTERNATIONAL JOURNAL OF THE CARE OF THE INJURED*  
Hak, D. J., Fitzpatrick, D., Bishop, J. A., Marsh, J. L., Tilp, S., Schnettler, R., Simpson, H., Alt, V.  
2014; 45: S3-S7
  - **Lack of Proficiency in Musculoskeletal Medicine Among Emergency Medicine Physicians** *JOURNAL OF ORTHOPAEDIC TRAUMA*  
Comer, G. C., Liang, E., Bishop, J. A.

2014; 28 (4): E85-E87

- **The Biomechanical Significance of Washer Use With Screw Fixation** *JOURNAL OF ORTHOPAEDIC TRAUMA*  
Bishop, J. A., Behn, A. W., Castillo, T. N.  
2014; 28 (2): 114-117
- **Survey Finds Few Orthopedic Surgeons Know The Costs Of The Devices They Implant** *HEALTH AFFAIRS*  
Okike, K., O'Toole, R. V., Pollak, A. N., Bishop, J. A., McAndrew, C. M., Mehta, S., Cross, W. W., Garrigues, G. E., Harris, M. B., Lebrun, C. T.  
2014; 33 (1): 103-109
- **The posterior approach to pelvic ring injuries: A technique for minimizing soft tissue complications** *INJURY-INTERNATIONAL JOURNAL OF THE CARE OF THE INJURED*  
Fowler, T. T., Bishop, J. A., Bellino, M. J.  
2013; 44 (12): 1780-1786
- **Surgical versus nonsurgical treatment of femur fractures in people with spinal cord injury: an administrative analysis of risks.** *Archives of physical medicine and rehabilitation*  
Bishop, J. A., Suarez, P., DiPonio, L., Ota, D., Curtin, C. M.  
2013; 94 (12): 2357-2364
- **Synthesis and characterization of novel elastomeric poly(D,L-lactide urethane) maleate composites for bone tissue engineering** *EUROPEAN POLYMER JOURNAL*  
Mercado-Pagan, A. E., Kang, Y., Ker, D. F., Park, S., Yao, J., Bishop, J., Yang, Y. P.  
2013; 49 (10): 3337-3349
- **Provisional mini-fragment plate fixation in clavicle shaft fractures.** *American journal of orthopedics (Belle Mead, N.J.)*  
Bishop, J. A., Castillo, T. N.  
2013; 42 (10): 470-472
- **Antegrade Femoral Nailing in Acetabular Fractures Requiring a Kocher-Langenbeck Approach** *ORTHOPEDICS*  
Bishop, J. A., Cross, W. W., Krieg, J. C., Routt, M. L.  
2013; 36 (9): E1159-E1164
- **The effect of rhBMP-2 and PRP delivery by biodegradable beta-tricalcium phosphate scaffolds on new bone formation in a non-through rabbit cranial defect model** *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE*  
Lim, H., Mercado-Pagan, A. E., Yun, K., Kang, S., Choi, T., Bishop, J., Koh, J., Maloney, W., Lee, K., Yang, Y. P., Park, S.  
2013; 24 (8): 1895-1903
- **Cost-Effectiveness Analysis of Primary Arthroscopic Stabilization Versus Nonoperative Treatment for First-Time Anterior Glenohumeral Dislocations** *ARTHROSCOPY-THE JOURNAL OF ARTHROSCOPIC AND RELATED SURGERY*  
Crall, T. S., Bishop, J. A., Guttman, D., Kocher, M., Bozic, K., Lubowitz, J. H.  
2012; 28 (12): 1755-1765
- **Open Reduction and Intramedullary Nail Fixation of Closed Tibial Fractures** *ORTHOPEDICS*  
Bishop, J. A., Dikos, G. D., Mickelson, D., Barei, D. P.  
2012; 35 (11): E1631-E1634
- **Predictive factors for knee stiffness after periarticular fracture: a case-control study.** *journal of bone and joint surgery. American volume*  
Bishop, J., Agel, J., Dunbar, R.  
2012; 94 (20): 1833-1838
- **Predictive Factors for Knee Stiffness After Periarticular Fracture A Case-Control Study** *JOURNAL OF BONE AND JOINT SURGERY-AMERICAN VOLUME*  
Bishop, J., Agel, J., Dunbar, R.  
2012; 94A (20): 1833-1838
- **The osteogenic differentiation of human bone marrow MSCs on HUVEC-derived ECM and beta-TCP scaffold** *BIOMATERIALS*  
Kang, Y., Kim, S., Bishop, J., Khademhosseini, A., Yang, Y.  
2012; 33 (29): 6998-7007
- **Use of an Inflatable Pressure Bag Bump for Medial and Lateral Operative Approaches to the Lower Leg** *FOOT & ANKLE INTERNATIONAL*

- 
- Abrams, G. D., Bishop, J. A.  
2012; 33 (9): 795-797
- **Osseous fixation pathways in pelvic and acetabular fracture surgery: Osteology, radiology, and clinical applications** *JOURNAL OF TRAUMA AND ACUTE CARE SURGERY*  
Bishop, J. A., Routt, M. L.  
2012; 72 (6): 1502-1509
  - **Assessment of Compromised Fracture Healing** *JOURNAL OF THE AMERICAN ACADEMY OF ORTHOPAEDIC SURGEONS*  
Bishop, J. A., Palanca, A. A., Bellino, M. J., Lowenberg, D. W.  
2012; 20 (5): 273-282
  - **Operative versus nonoperative treatment after primary traumatic anterior glenohumeral dislocation: expected-value decision analysis** *JOURNAL OF SHOULDER AND ELBOW SURGERY*  
Bishop, J. A., Crall, T. S., Kocher, M. S.  
2011; 20 (7): 1087-1094
  - **Closed Intramedullary Nailing of the Femur in the Lateral Decubitus Position** *JOURNAL OF TRAUMA-INJURY INFECTION AND CRITICAL CARE*  
Bishop, J. A., Rodriguez, E. K.  
2010; 68 (1): 231-235
  - **Management of radial nerve palsy associated with humeral shaft fracture: a decision analysis model.** *journal of hand surgery*  
Bishop, J., Ring, D.  
2009; 34 (6): 991-6 e1
  - **Locking plate fixation for pediatric femur fractures** *JOURNAL OF PEDIATRIC ORTHOPAEDICS*  
Hedequist, D., Bishop, J., Hresko, T.  
2008; 28 (1): 6-9
  - **Prophylactic pinning of the contralateral hip after unilateral slipped capital femoral epiphysis** *JOURNAL OF BONE AND JOINT SURGERY-AMERICAN VOLUME*  
Kocher, M. S., Bishop, J. A., Hresko, M. T., Millis, M. B., Kim, Y. J., Kasser, J. R.  
2004; 86A (12): 2658-2665
  - **Delay in diagnosis of slipped capital femoral epiphysis** *PEDIATRICS*  
Kocher, M. S., Bishop, J. A., Weed, B., Hresko, M. T., Millis, M. B., Kim, Y. J., Kasser, J. R.  
2004; 113 (4): E322-E325
  - **Images in clinical medicine. Something fishy going on in the heart.** *New England journal of medicine*  
de la Torre, J., Bishop, J.  
2002; 347 (22): 1769-?
  - **Operative versus nonoperative management of acute Achilles tendon rupture - Expected-value decision analysis** *68th Annual Meeting of the American-Academy-of-Orthopaedic-Surgeons*  
Kocher, M. S., Bishop, J., Marshall, R., Briggs, K. K., Hawkins, R. J.  
SAGE PUBLICATIONS INC.2002: 783-90