

## **CURRICULUM VITAE**

### **NAME:**

Benjamin C. Bengs, MD  
Director for Special Surgery

### **ADDRESS:**

St. John's Hospital  
  
Providence Health System  
  
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### **EDUCATION:**

University of California, Santa Barbara  
B.S. Physiology 1992-1996  
Georgetown University School of Medicine  
1997-2001  
Harvard Combined Orthopedic Surgery Residency  
2001-2006  
UCLA David Geffen School of Medicine, Arthroplasty Fellowship 2006-2007

### **LICENSURE:**

California, A95204  
Tax ID 81-4552216

### **CERTIFICATIONS:**

American Board of Orthopaedic Surgeons Diplomate, 2010  
  
Fellow, American Academy of Orthopaedic Surgeons, 2012

### **PROFESSIONAL APPOINTMENTS:**

Attending Arthroplasty surgeon, UCLA 2007-present  
  
Attending Adult Trauma surgeon, UCLA 2006-present  
  
Attending Orthopedic Pediatric Trauma surgeon 2006-2013

UCLA/SMH Surgery Review Committee, 2009-2013

UCLA/SMH Surgery Administration Committee, 2009-present

OREF Peer Review Committee Member for grant applications, 2010-2011

UCLA Clinical Operations Radiation Safety Committee (CORSC), 2011

UCLA Executive Medical Board Disaster Subgroup Committee, 2012- 2013

UCLA Executive Orthopaedic Surgery Committee, 2012-2014

UCLA Readmission and Sepsis Committee, 2012- 2015

UCLA Health System Quality Council Committee, 2013-2015

Orthopaedic Surgery Periodic Acting Chairman, UCLA Department of Orthopaedic Surgery, 2009-Present

Quality Assurance Officer, UCLA Department of Orthopaedic Surgery 2013-2015. UCLA/SMH ranked #1 amongst all UHC health systems in patient safety indicators during this time. Notable quality improvements include decreased postoperative transfusion rates (20% to 5%), accelerated physical therapy post joint replacement, and decreased departmental readmission

Director of Orthopaedic Clinical Operations, UCLA/Santa Monica Hospital, 2013- 2015. UCLA Health Care System ranked #3 nationally during this time. Other responsibilities include trauma schedule coordinator and arthroplasty PA supervisor.

Chief of UCLA Arthroplasty Service, 2015-2017

Vice Chair, Department of Orthopaedic Surgery, 2017-2018

Director for Special Surgery, Providence St. John's Hospital, 2018-present

Providence Orthopedic and Sports Medicine Institute, 2018-present

Providence So Cal Advisory Committee, Orthopedic and Sports Medicine Institute, 2018- present

Providence St. John's Performance Optimization Committee for Operating Room 2018-present

Providence St. John's, SJPP subcommittee, 2018-present

## **HONORS AND SPECIAL AWARDS:**

Honors Program, UCSB 1992-1996

College of Letters and Science Academic Excellence Award at graduation 1996

Distinction in Major, Physiology, UCSB, 1996

High Honors at Graduation, UCSB, 1996

Cum Laude at graduation, Georgetown University School of Medicine, 2001

Alpha Omega Alpha, Georgetown University School of Medicine

*Marmour Award* recipient for highest cumulative OITE scores, Harvard  
Combined Orthopedic Surgery Residency, Class 2006

Orthopedic Research & Education Foundation, Career Development  
Award In Total Joint And Trauma Surgery "Proximal Femoral Bone Loss  
and Femoral Stem Stability in Total Hip Arthroplasty." 2010

*American Joint Replacement Registry* Quarterly Champion, 2013

## **RESEARCH GRANTS AND FELLOWSHIPS RECEIVED:**

\$10,000 Allergan unrestricted research grant. "Botox augmentation of  
surgically repaired rotator cuff tendons". 2007

\$15,500 Proctor and Gamble unrestricted research grant. "Osteoporosis follow  
Up enhancement following fragility fractures." 2009

\$15,000 Proctor and Gamble unrestricted research grant. "Establishing  
a Fragility Fracture Registry at UCLA to Improve Osteoporosis Patient  
Care." 2009

\$25,000 Los Angeles Orthopaedic Hospital Doctor's Educational Research Fund.  
"Relationship between proximal bone loss and the stability of the  
Alloclassic femoral stem." 2009

\$2,000 Novartis unrestricted grant. "Fragility Fracture Registry at UCLA and  
Osteoporosis Care Enhancement." 2009

\$50,000 Orthopedic Research & Education Foundation, Career Development  
Award In Total Joint And Trauma Surgery "Proximal Femoral Bone Loss  
and Femoral Stem Stability in Total Hip Arthroplasty." 2010

Howard Hughes Medical Institute Research Fellow 1995-1996

## **PUBLICATIONS**

### **Peer reviewed**

1. Andrews PM, Khirabadi BS, Bengs BC. Using tandem scanning confocal microscopy to predict the status of donor kidneys. *Nephron*. 2002, May;91(1):148-55.
2. Andrews PM, Khirabadi BS, Bengs BC. Using vital microscopy (tscm) to evaluate living kidneys. *Ital J Anat Embryol*. 2001;106(2 Suppl 1):439-48A
3. Bengs BC, Scott, RD. The Effect of Distal Femoral Resection on Passive Knee Extension in Posterior Cruciate Ligament-Retaining Total Knee Arthroplasty. *Journal of Arthroplasty*, 2006 March; 21(2): 161-165.
4. Bengs BC, Scott, RD. The effect of patellar thickness on intraoperative knee flexion and patellar tracking in total knee arthroplasty. *Journal of Arthroplasty*. 2006 Aug;21(5):650-5.
5. Bengs BC, Sangiorgio SN, Ebramzadeh E. Less range of motion with resurfacing arthroplasty than with total hip arthroplasty: in vitro examination of 8 designs. *Acta Orthop*. 2008 Dec;79(6):755-62.
6. Sugi M, Sheridan K, Ha E, Nattiv A, Kado DM, Bengs B. Patients sustaining fragility fractures are unaware of their osteoporosis. *J Bone Miner Res* 2009, 24(S1): S453.
7. Ligato A, Nelson S, Bengs B. Hip resurfacing arthroplasty for hip synovial chondromatosis: a case report. *Orthopedics*. 2010, March.
8. Sugi M, Sheridan K, Lewis L, Huang MH, Nattiv A, Kado DM, BC Bengs. "Active referral intervention following fragility fractures leads to enhanced osteoporosis follow-up care." *Journal of Osteoporosis* (2012), Article ID 234381.
9. Sangiorgio S, Ebramzadeh E, Knutsen A, Kalma J, Bengs B. Can a Dual-tapered Press-fit Stem be used in Cases with Severe Proximal Femoral Defects? *Journal of Biomaterials and Biomechanics* (accepted, 2012)
10. Sangiorgio, S.N., Ebramzadeh, E., Borkowski,S.L., Oakes, D.A., Reid, J.J., Bengs,B.C.: "Effect of proximal femoral bone support on the fixation of a press-fit noncemented total hip replacement femoral component." *J Appl Biomater Funct Mater*. 2012 Sep 19
11. Sangiorgio, SN, Ebramzadeh, E, Knutsen, AR, Borkowski, SL, Kalma, JJ, Bengs, BC: " Fixation of Non-Cemented Total Hip Arthroplasty Femoral Components in a Simulated Proximal Bone Defect Model" *J Arthroplasty*. 2013 Oct;28(9):1618-24.

12. Aaron W. James, Jia Shen, Xinli Zhang, Greg,Asatrian, Raghav Goyal,Jin Hee Kwak, Lin Jiang, Benjamin Bengs, Cymbeline T. Culiati, Simon Turner, Howard,B. Seim III, Benjamin M. Wu, Karen Lyons, John S. Adams, Kang Ting, Chia Soo. "NELL-1 in the Treatment of Osteoporotic Bone Loss." *accepted for publication, Nature Communications.*

## Abstracts

1. Borkowski, S.L., Sangiorgio, S.N., Bengs, B.C., Oakes, D., Ebramzadeh, E.: A Study to Investigate the Relationship between proximal bone loss and the stability of the Alloclassic Femoral Stem. Nineteenth Annual Orthopaedic Hospital Research Day, Los Angeles, California, 2010.
2. Knutsen, A, Sangiorgio, S, Kalma, JJ, Ebramzadeh, E, Bengs, BC: Proximal Femoral Bone Loss and Femoral Stem Stability in Total Hip Arthroplasty. Twentieth Annual Orthopaedic Hospital Research Day, Los Angeles, California, 2011.
3. Sangiorgio, SN, Ebramzadeh, E, Borkowski, S, Oakes, D, Reid, J, Bengs, B: Achieving Clinically Adequate Stem Fixation Despite Severe Proximal Femoral Bone Loss. American Academy of Orthopaedic Surgeons, San Francisco, CA, 2012.
4. Sangiorgio, SN, Knutsen, AR, Kalma, J, Ebramzadeh, E, Bengs, BC: Can a Dual-tapered Press-fit Stem be used in Cases with Severe Proximal Femoral Defects? Orthopaedic Research Society, San Francisco, CA 2012.
5. Sangiorgio S, Knutsen A, Kalma J, Ebramzadeh E, Bengs B. Can a Dual-tapered Press-fit Stem be used in Cases with Severe Proximal Femoral Defects? AAOS, Poster 2043. Annual Meeting in San Francisco, CA 2012.
6. Bengs BC, Sangiorgio SN, Ebramzadeh E. Achieving Clinically Adequate Stem Fixation Despite Severe Proximal Femoral Bone Loss. Poster P039 Orthopedic Research Society Annual Meeting, San Fransisco, CA, 2012
7. Jiang, Jie; Ituarte, Felipe; Shim, Dahae; Gupta, Varsha; Tran, Dang; Petrigliano, Frank; Bengs, Benjamin; Ting, Kang; Soo, Chia. NELL-1 protects articular cartilage from the effects of IL-1 $\beta$  induced arthritis *in vitro*. Orthopedic Research Society, New Orleans, 2014.
8. Kim, A, Ebramzadeh, E, Bengs, BC. Implant Cost Awareness of Analogous Intramedullary and Plate Devices Among Orthopaedic Surgeons, AAOS Annual Meeting, New Orleans, Louisiana, Paper 806, March 14, 2014.

### **Non peer reviewed**

1. Sheridan K, Sugi M, Kado D, Bengs B. Most Patients Sustaining Fragility Fractures are Unaware of Their Osteoporosis. AOA Own the Bone Program, Bone Health Bulletin, Fall Issue, 2009
2. Winograd D, Bengs B, Eckardt J, Jeffcoat D, Daubs M. Development of a Multidisciplinary Case Review Committee to Reduce Readmissions, Mortality, and Sepsis by Standardizing Care and Limiting Clinical Variations. UHC Annual Conference 2013, *Pulse*, Oct 18, 2013. Atlanta, GA.
3. Winograd D, Bengs B, Jeffcoat D, Eckardt J. Development of a Multidisciplinary Case Review Committee to Reduce Readmissions, Mortality, and Sepsis by Standardizing Care and Limiting Clinical Variations. American Journal of Medical Quality 2014 29: 3S

### **COLLABORATIVE RESEARCH**

A Phase III Randomized, Double-Blind, Placebo- and Active-Comparator-Controlled, Multiple-Dose, Clinical Trial to Study the Safety and Efficacy of MK-0663/Etoricoxib and Ibuprofen in the Treatment of Postorthopedic Knee Replacement Surgery Pain. Merck (Protocol No. MK-0663 098 01). Co- Investigator. Participation completed.

### **PATENTS**

International Patent Application Serial No. PCT/US15/34064. Objective, Real-Time Acoustic Measurement and Feedback for Proper Fit and Fill of Hip Implants

### **PROFESSIONAL ASSOCIATIONS**

AAOS, 2007- present

FAAOS, 2007-present

American Society for Bone and Mineral Research member, 2009-2011

AO Educational Faculty, 2009

Clinical Orthopaedics and Related Research, manuscript reviewer, 2011-2013

Western Orthopaedic Association, 2014-present

American Association of Hip and Knee Surgeons, 2014-present

## **CONSULTING AND PROFESSIONAL APPEARANCES**

Featured in UCLA Health System *Vital Signs*. "Surgical Strides Improve Repair of Bones and Joints" Spring 2008.

Amgen 2010 Orthopedic Advisory Board. "Antiresorbatives and Danusomab in Osteoporosis Care"

Featured in *Ob. Gyn. News*, front page, "Thigh Pain May Be Linked to Long Term Bisphosphonate Use". July 2010.

Featured in *Daily News*, Los Angeles. Infection files: Expert thoughts on infected joints. 10/24/2012

Featured in *Arthritis Today*, "Price Tag for Total Hip Replacement Surgery Not Easy to Get." 3/5/2013. <http://www.arthritistoday.org/news/hip-replacement-surgery-costs-255.php>

Featured in U Magazine, Fall 2013, "Joint Liability".  
<http://magazine.uclahealth.org/body.cfm?id=6&action=detail&ref=1034>

Featured in UCLA Healthy Years. "Knee Replacement Surgery: When Should You Consider It?" Dec 2014. Vol 11, No 12.

Featured in UCLA Healthy Years. "Getting Ready for Post Surgery" May 2015. Vol 12, No 5

## **RESIDENT EDUCATION**

UCLA Arthroplasty Service, weekly conference and curriculum director, 2010-2014

ICJR Annual Course Instructor, April 2014, Los Angeles, CA