Department of Orthopaedic Surgery

Orthopaedic surgery is concerned with the injuries, diseases and conditions of the musculoskeletal system. The WUSM III rotation in Musculoskeletal Surgery & Medicine exposes the student to multiple aspects of orthopaedic surgery, including caring for patients in the emergency department and the operating room as well as clinical practice in the emergency department and the outpatient and inpatient wards.

Website: http://www.ortho.wustl.edu

Degrees & Requirements

Although the Department of Orthopaedic Surgery does not offer its own degree, some of the department's courses are open to students in the MD and MSTP (MD/PhD) programs. Further information about the MD and MSTP degrees can be found in the Degrees & Programs of the School of Medicine (http://bulletin.wustl.edu/medicine/degrees) section of this Bulletin.

Research

M95 Surgery 900

Various orthopaedic surgery research opportunities are available with the following faculty attendings. If interested, please contact the Education Office at 314-747-2543, email the orthopaedic surgery department (orthsurg@wudosis.wustl.edu) or contact the faculty member directly.

- Yousef Abu-Amer, PhD
- Alexander Aleem, MD
- Robert L. Barrack, MD
- Robert Brophy, MD
- Jacob M. Buchowski, MD, MS
- Ryan Callie, MD
- Aaron Chamberlain, MD
- Cara A. Cipriano, MD
- John Clohisy, MD
- Matthew Dobbs, MD
- Charles A. Goldfarb, MD
- Farshid Guilak, PhD
- Munish Gupta, MD
- Pooya Hosseinazadeh, MD
- Michael Kelly, MD
- Sandra Klein, MD
- Charles Lawrie, MD
- Scott J. Luhmann, MD
- Matthew J. Matava, MD
- Audrey McAlinden, PhD
- Chris McAndrew, MD
- Mark Miller, MD
- Jeff Nepple, MD
- Regis O'Keefe, MD
- Nathan Olafsen, MD
- Linda Sandell, PhD
- Perry Schoenecker, MD
- Matt Silva, PhD
- Matthew Smith, MD
- Lindley B. Wall, MD
- Rick Wright, MD

Faculty

Department Chair

Regis O'Keefe, MD, PhD

Visit our website for more information about our faculty (http://www.ortho.wustl.edu/content/Patient-Care/2295/Find-a-Physician/Physician-Directory.aspx) and their appointments.

A

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Professor of Orthopaedic Surgery (primary appointment)
Professor of Cell Biology and Physiology
PHD Hebrew University 1993
MS Hebrew University 1987
BS Hebrew University 1985

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Assistant Professor of Orthopaedic Surgery (primary appointment)
MD Vanderbilt University 2008

Alexander William Aleem, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
BS Johns Hopkins University 2006
MD Washington Univ in St. Louis 2010

B

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Assistant Professor of Orthopaedic Surgery (primary appointment)
MD Duke University 2010
BS University of Urbana IL 2005

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MD Vanderbilt University 1980

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Instructor in Clinical Orthopaedic Surgery (primary appointment)
MD Washington Univ in St. Louis 1975
BA Washington Univ in St. Louis 1971

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Assistant Professor of Orthopaedic Surgery (primary appointment)
MD Vanderbilt University 2008

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BS Allegheny College 2003
MD Case Western Reserve Univ 2007

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MD Cornell University 2009

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Carol B and Jerome T Loeb Professor of Orthopaedic Surgery (primary appointment)
MD University of Toronto 1988
MS University of Toronto 1993

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Professor of Neurological Surgery
BA Washington Univ in St. Louis 1973
MD Washington Univ in St. Louis 1977

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BE Vanderbilt University 2003
MD Washington Univ in St. Louis 2009
MS University College London 2004
MS1 University of London 2005

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BS Stanford University 1994
MS Stanford University 1995
BA Stanford University 1994
MD Washington Univ in St. Louis 2001

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Professor of Neurological Surgery
MS Yale University 1996
MD Johns Hopkins University 2000
BS Yale University 1996

**Ryan Patrick Calfee, MD**
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MD Washington Univ in St. Louis 2001
BS University of Virginia 1997

**Eric Ward Carson, MD**
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MD University of Illinois Chicago 1989
BS Tufts University 1982

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Associate Professor of Orthopaedic Surgery (primary appointment)
B MUS University of Utah 2002
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MD University of Tennessee 2004

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PHD Freie University 2008  

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PHD University of North Carolina 2013  
SCM Johns Hopkins University 2009  
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P  
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Professor of Orthopaedic Surgery (primary appointment)  
BS Univ of Wisconsin Madison 1964  
MD Univ of Wisconsin Madison 1968  

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MS1 Banaras Hindu University 1992  
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MS Chinese Academy of Med Science 1996  
MD Capital U of Medical Sciences 1991  
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BS Nanjing University 2005  
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BS Cornell University 1982  
ME Cornell University 1984  
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Assistant Professor of Neurology  
MD University of Rochester 2010  
BA Columbia University 2005  

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T

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BS University of CA Berkeley 2003
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W

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Y

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MD George Washington University 1989
MS University of California 1985
BA University of California 1983

Z

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Associate Professor of Neurological Surgery
BS Northwestern University 1998
MD University of Chicago 2004

Courses


M96 Ortho 801A Orthopedic Surgery Subinternship — Sports
This clinical elective is available for four weeks during which the student participates in orthopedic conferences, outpatient clinics, surgical cases, and patient rounds on the Sports Medicine service.

M96 Ortho 801B Orthopedic Surgery Subinternship — Sports
This clinical elective is available for four weeks during which the student participates in orthopedic conferences, outpatient clinics, surgical cases, and patient rounds on the Sports Medicine service.

M96 Ortho 810A Orthopedic Surgery Subinternship — Foot/Ankle
This four-week clinical elective is available to medical students looking to further their knowledge of and experience in orthopedics, specifically foot and ankle surgery. Students will participate in surgical cases, outpatient clinics, inpatient care, and weekly didactic sessions/conferences. At the completion of the elective, students should have gained a basic knowledge of foot and ankle problems as well as their operative and nonoperative care.

M96 Ortho 810B Orthopedic Surgery Subinternship — Foot/Ankle
This four-week clinical elective is available to medical students looking to further their knowledge of and experience in orthopedics, specifically foot and ankle surgery. Students will participate in surgical cases, outpatient clinics, inpatient care, and weekly didactic sessions/conferences. At the completion of the elective, students should have gained a basic knowledge of foot and ankle problems as well as their operative and nonoperative care.

M96 Ortho 820A Orthopedic Surgery Subinternship — Hand
Clinical elective available during which time the student will work with attending surgeons, primarily at Chesterfield and Center for Advanced Medicine. The service includes care of adult patients with traumatic, sports (arthroscopy), nerve, and degenerative disease. Activities will include participation in outpatient procedures, attendance at faculty clinic office hours, and attendance at orthopedic conferences.

M96 Ortho 820B Orthopedic Surgery Subinternship — Hand
Clinical elective available during which time the student will work with attending surgeons, primarily at Barnes-Jewish Hospital. Activities will include participation in the care of hospitalized inpatients, participation in inpatient and outpatient procedures, attendance at designated attending office hours, attendance at designated orthopedic conferences, and dissection of upper-extremity anatomical specimens.

M96 Ortho 823A Orthopedic Surgery Subinternship — Hand/Pediatric Hand
Clinical elective available during which time the student will work with attending surgeons, primarily at Barnes-Jewish Hospital, St. Louis Children's Hospital, and Shriner's Hospital. The service includes care of adult and pediatric patients with congenital, traumatic, sports (arthroscopy), nerve, and degenerative disease. Activities will include participation in outpatient procedures, attendance at faculty clinic office hours, attendance at orthopedic conferences, and dissection of upper-extremity anatomical specimens.
M96 Ortho 823B Orthopedic Surgery Subinternship — Hand/ Pediatric Hand
Clinical elective available during which time the student will work with attending surgeons, primarily at St. Louis Children's Hospital; Shriner's Hospital, Chesterfield; Center for Advanced Medicine; and St. Louis Children's Specialty Care Center. The service includes care of adult and pediatric patients with congenital, traumatic, sports (arthroscopy), nerve, and degenerative disease. Activities will include participation in outpatient procedures, attendance at faculty clinic office hours, attendance at orthopedic conferences, and dissection of upper-extremity anatomical specimens.

M96 Ortho 825A Orthopedic Surgery Subinternship — Hand/ Nerve
Clinical elective available during which time the student will work with attending surgeons, primarily at Barnes-Jewish Hospital, St. Louis Children's Hospital, and Washington University Orthopeds at Center for Advanced Medicine and South County. The service includes care of adult and pediatric patients with traumatic, sports (arthroscopy), nerve, and degenerative disease. The rotation will cover general hand surgery as well as brachial plexus and peripheral nerve surgery. Activities will include participation in outpatient procedures, attendance at faculty clinic office hours, and attendance at orthopedic conferences.

M96 Ortho 827A Orthopedic Surgery Subinternship — Hand/ Microsurgery
Clinical elective available during which time the student will work with attending surgeons, primarily at Barnes-Jewish Hospital, Center for Advanced Medicine, and the Chesterfield office. The service includes care of adult and pediatric patients with traumatic, sports (arthroscopy), nerve, and degenerative disease. Activities will include participation in the care of hospitalized inpatients, participation in inpatient and outpatient procedures, attendance at designated attending office hours, attendance at designated orthopedic conferences, and dissection of upper-extremity anatomical specimens.

M96 Ortho 830A Orthopedic Surgery Subinternship — Shoulder/Elbow
Clinical elective available during which time the student will work with attending surgeons, primarily at Barnes-Jewish Hospital. Activities will include participation in the care of hospitalized inpatients, participation in inpatient and outpatient procedures, attendance at designated attending office hours, attendance at designated orthopedic conferences, and dissection of upper-extremity anatomical specimens.

M96 Ortho 840A Orthopedic Surgery Subinternship — Trauma
Clinical elective available for a four-week period during which time the student will work in orthopedic trauma at Barnes-Jewish Hospital. The student will work with a team of attendings, residents, physician assistants, and nurse practitioners to provide care for orthopedic trauma patients. Activities include participation in the care of hospitalized inpatients, inpatient surgical procedures, outpatient office visits, and daily conferences.

M96 Ortho 850A Orthopedic Surgery Subinternship — Pediatrics
Clinical elective available for four weeks during which time the student will work with attending surgeons, primarily at St. Louis Children's Hospital, observing and assisting with outpatient and inpatient care. Activities in the operating room, emergency room, and outpatient clinics are to be included. Attendance at and participation in the weekly pediatric orthopedic conference activities are required.

M96 Ortho 850B Orthopedic Surgery Subinternship — Pediatrics
Clinical elective available for four weeks during which time the student will work with attending surgeons, primarily at St. Louis Children's Hospital, observing and assisting with outpatient and inpatient care. Activities in the operating room, emergency room, and outpatient clinics are to be included. Attendance at and participation in the weekly pediatric orthopedic conference activities are required.

M96 Ortho 860A Orthopedic Surgery Subinternship — Spine
This clinical elective is available for four weeks during which time the student will work with attending surgeons, primarily at Barnes-Jewish Hospital, observing and assisting when appropriate in outpatient and inpatient care. Activities in the operating room, emergency room, and outpatient clinics are to be included. Attendance at and participation in the weekly orthopedic conference activities are required. The spine fellow assigned to this service will serve as a primary contributor to the student's education experience on this rotation.

M96 Ortho 860B Orthopedic Surgery Subinternship — Spine
This clinical elective is available for four weeks during which time the student will work with attending surgeons, primarily at Barnes-Jewish Hospital, observing and assisting when appropriate in outpatient and inpatient care. Activities in the operating room, emergency room, and outpatient clinics are to be included. Attendance at and participation in the weekly orthopedic conference activities are required. The spine fellow assigned to this service will serve as a primary contributor to the student's education experience on this rotation.

M96 Ortho 860C Orthopedic Surgery Subinternship — Spine
This clinical elective is available for four weeks during which time the student will work with attending surgeons, primarily at Barnes-Jewish Hospital, Barnes-Jewish West County Hospital, and Washington University Orthopeds - Center for Advanced Medicine observing and assisting when appropriate in outpatient and inpatient care. Activities in the operating room, emergency room, and outpatient clinics are to be included. Attendance at and participation in the weekly orthopedic conference activities are required. The spine fellow assigned to this service will serve as a primary contributor to the student's education experience on this rotation.

M96 Ortho 863A Orthopedic Surgery Subinternship — Pediatric Spine
Clinical elective available for four weeks during which time the student will work with attending surgeons, primarily at St. Louis Children's Hospital, observing and assisting in outpatient and inpatient care. Activities in the operating room, emergency room, and outpatient clinics are to be included. Attendance at and participation in the weekly pediatric orthopedic conference activities are required.
M96 Ortho 863B Orthopedic Surgery Subinternship — Pediatric Spine
Clinical elective available for four weeks during which time the student will work with attending surgeons, primarily at St. Louis Children's Hospital, observing and assisting in outpatient and inpatient care. Activities in the operating room, emergency room, and outpatient clinics are to be included. Attendance at and participation in the weekly pediatric orthopedic conference activities are required.

M96 Ortho 870A Orthopedic Surgery Subinternship — Joint Preservation & Reconstruction
Clinical elective available during which time the student will work with attending physicians on the Adult Reconstruction and Joint Preservation/Replacement service. This rotation is primarily centered at Barnes-Jewish Hospital and includes care of hospitalized inpatients, participation in inpatient and outpatient procedures, attendance at designated office hours, and attendance at and participation in orthopedic educational conferences and anatomy sessions.

M96 Ortho 870B Orthopedic Surgery Subinternship — Joint Preservation & Reconstruction
Clinical elective available during which time the student will work with attending physicians on the Adult Reconstruction and Joint Preservation/Replacement service. This rotation is primarily centered at Barnes-Jewish Hospital and includes care of young patients with hip impingement pathology and older patients with end-stage joint arthritis, hospitalized inpatients, participation in inpatient and outpatient procedures, attendance at designated office hours, and attendance at and participation in orthopedic educational conferences and anatomy sessions.

M96 Ortho 870C Orthopedic Surgery Subinternship — Joint Preservation & Reconstruction
Clinical elective available during which time the student will work with attending physicians on the Adult Reconstruction and Joint Preservation/Replacement service. This rotation is primarily centered at Barnes-Jewish Hospital and includes care of young patients with hip impingement pathology and older patients with end-stage joint arthritis, hospitalized inpatients, participation in inpatient and outpatient procedures, attendance at designated office hours, and attendance at and participation in orthopedic educational conferences and anatomy sessions.

M96 Ortho 875A Orthopedic Surgery Subinternship — Joint Reconstruction
Clinical elective available during which time the student will work with the attending physician on the Adult Reconstruction and Joint Preservation/Replacement service. This rotation is primarily centered at Barnes-Jewish Hospital and includes care of hospitalized inpatients, participation in inpatient and outpatient procedures, attendance at designated office hours, and attendance at and participation in orthopedic educational conferences and anatomy sessions.

M96 Ortho 880A Orthopedic Surgery Subinternship — Oncology/Joint Reconstruction
Clinical elective available for four weeks, during which time the student will work with the attending physicians on the Musculoskeletal Oncology service. The student will participate in orthopedic conferences, outpatient clinics, surgical cases and patient rounds.

M96 Ortho 880B Orthopedic Surgery Subinternship — Oncology/Joint Reconstruction
Clinical elective available for four weeks, during which time the student will work with the attending physicians on the Musculoskeletal Oncology service. The student will participate in orthopedic conferences, outpatient clinics, surgical cases and patient rounds.

M96 Ortho 890 Orthopedic Surgery Externship
Students rotate on Orthopaedic Services in four-week blocks. During their rotations, students are assigned to two different services for two weeks each. Students may rotate on a variety of subspecialties, including trauma sports medicine, hand and upper extremity, foot and ankle, musculoskeletal oncology, adult reconstructive surgery, pediatric orthopaedics, shoulder and elbow, and spine.