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 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 Calfee, 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 Hosseinzadeh, 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

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

Muyibat A Adelani, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
MD Vanderbilt University 2008

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

B

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

Robert L Barrack, MD
Charles F and Joanne Knight Distinguished Professor of Orthopaedic Surgery (primary appointment)
MD Vanderbilt University 1980
Donald R Bassman, MD
Instructor in Clinical Orthopaedic Surgery (primary appointment)
MD Washington Univ in St. Louis 1975
BA Washington Univ in St. Louis 1971

Marschall Brantling Berkes, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
MD Vanderbilt University 2008

Terra Rupert Blatnik, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
BS Allegheny College 2003
MD Case Western Reserve Univ 2007

Ljiljana Bogunovic, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
MD Cornell University 2009

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

Keith Happ Bridwell, MD
J Albert Key Distinguished Professor of Orthopaedic Surgery (primary appointment)
Professor of Neurological Surgery
BA Washington Univ in St. Louis 1973
MD Washington Univ in St. Louis 1977

David Micah Brogan, MS, BE, MD, MS1
Assistant Professor of Orthopaedic Surgery (primary appointment)
MS University College London 2004
BE Vanderbilt University 2003
MD Washington Univ in St. Louis 2009
MS1 University of London 2005

Robert Henry Brophy IV, MS, MD
Professor of Orthopaedic Surgery (primary appointment)
BA Stanford University 1994
BS Stanford University 1994
MS Stanford University 1995
MD Washington Univ in St. Louis 2001

Jacob M Buchowski, MS, MD
Lawrence G and Elizabeth A Lenke Distinguished Professor of Orthopaedic Surgery (primary appointment)
Professor of Neurological Surgery
BS Yale University 1996
MS Yale University 1996
MD Johns Hopkins University 2000

Ryan Patrick Calfee, MD

Associate Professor of Orthopaedic Surgery (primary appointment)
BS University of Virginia 1997
MD Washington Univ in St. Louis 2001

Eric Ward Carson, MD
Associate Professor of Orthopaedic Surgery (Pending Executive Faculty Approval) (primary appointment)
MD University of Illinois Chicago 1989
BS Tufts University 1982

Aaron Mark Chamberlain, MD, B MUS
Associate Professor of Orthopaedic Surgery (primary appointment)
MD University of CA San Francisco 2006
B MUS University of Utah 2002

Abby Ling Lee Cheng, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
MD Washington Univ in St. Louis 2013

Cara Alessandra Cipriano, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
BS Williams College 2003
MD University of Pennsylvania 2007

John C Clohisy, MD
Daniel C. and Betty B. Viehmann Distinguished Professor of Orthopaedic Surgery (primary appointment)
MD Northwestern University 1989
BA Northwestern University 1985

Berdale S. Colorado, MS, DOST
Assistant Professor of Orthopaedic Surgery (primary appointment)
Assistant Professor of Neurology
MS Des Moines University 2009
DOST Des Moines University 2009
BS University of Iowa 2004

Gregory M Decker
Assistant Professor of Orthopaedic Surgery (primary appointment)
Assistant Professor of Neurology

Laura C DePalma, DOST
Assistant Professor of Orthopaedic Surgery (primary appointment)
DOST Phil Coll of Osteopathic Med 2009

Matthew Barrett Dobbs, MD
Dr Asa C and Mrs Dorothy W Jones Professorship in Orthopaedic Surgery (primary appointment)
BS University of Notre Dame 1991
MD University of Iowa 1995
Christopher J. Dy, MD, M PH  
Assistant Professor of Orthopaedic Surgery (primary appointment)  
MD University of Miami 2008  
BS University of Miami 2004  
M PH University of Miami 2008

Kelly Eileen Estes, MPH, MD, MS  
Assistant Professor of Orthopaedic Surgery (primary appointment)  
Assistant Professor of Emergency Medicine in Medicine  
BS Kalamazoo College 2005  
MPH Wright State University 2012  
MD Wright State University 2012  
MS Columbia University 2016

Lawrence Glennon Evans Jr  
Instructor in Orthopaedic Surgery (primary appointment)

Roberta Faccio, PHD  
Professor of Orthopaedic Surgery (primary appointment)  
Professor of Cell Biology and Physiology  
PHD University of Bari 2000

Richard H Gelberman, MD  
Professor of Orthopaedic Surgery (primary appointment)  
MD University of Tennessee 1969  
BA University of North Carolina 1965

Charles A Goldfarb, MD  
Professor of Orthopaedic Surgery (primary appointment)  
BA Williams College 1992  
MD University of Alabama 1996

Matthew Lawrence Goodwin  
Assistant Professor of Orthopaedic Surgery (primary appointment)  
Assistant Professor of Neurosurgery

J. Eric Gordon, MD  
Professor of Orthopaedic Surgery (primary appointment)  
BS University of California 1983  
MD University of CA Davis 1988

Farshid Guilak, MPH, PHD, MS  
Professor of Orthopaedic Surgery (primary appointment)  
Professor of Biomedical Engineering  
Professor of Developmental Biology  
MPH Columbia University 1990  
PHD Columbia University 1992  
MS Rensselaer Poly Institute 1987  
BS Rensselaer Poly Institute 1985

Munish C Gupta, MD  
Mildred B. Simon Distinguished Professor of Orthopaedic Surgery (primary appointment)  
BS Northwestern University 1982  
MD Northwestern University Med 1986

Mark E. Halstead, MD  
Associate Professor of Orthopaedic Surgery (primary appointment)  
Associate Professor of Pediatrics  
MD Univ of Wisconsin Madison 1998  
BS Univ of Wisconsin Madison 1994

Jeremy A Hartman, MD  
Assistant Professor of Orthopaedic Surgery (primary appointment)  
MD Saint Louis University 2013

Damon Joseph Louis Hays, MD  
Instructor in Clinical Orthopaedic Surgery (primary appointment)  
MD Ohio University 2003  
BS Truman State University 1998

Pooya Hosseinzadeh, MD  
Assistant Professor of Orthopaedic Surgery (primary appointment)  
MD Isfahan U of Medical Sciences 2004

Devyani M. Hunt, MD  
Associate Professor of Orthopaedic Surgery (primary appointment)  
Associate Professor of Neurology  
BS University of Texas Austin 1995  
MD University of Texas Houston 2000

Deeptee Jain  
Assistant Professor of Orthopaedic Surgery (primary appointment)  
Assistant Professor of Neurosurgery

Jeffrey E Johnson, MD  
Professor of Orthopaedic Surgery (primary appointment)  
BA Duke University 1976  
MD Georgetown University 1980

Jay Donovan Keener, MD  
Professor of Orthopaedic Surgery (primary appointment)  
MD West Virginia University 1998  
BS West Virginia University 1991

Brian Adams Kelly, MD  
Assistant Professor of Orthopaedic Surgery (primary appointment)  
Assistant Professor of Neurological Surgery  
BA Williams College 2002
Michael Patrick Kelly, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
Associate Professor of Neurological Surgery
BS Boston College 1999
MD University of Massachusetts 2005

Sandra E. Klein, BE, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
BE University of Missouri 1994
MD Washington Univ in St. Louis 2001

Robert S Kramer, MD
Instructor in Clinical Orthopaedic Surgery (primary appointment)
MD Washington Univ in St. Louis 1983
BA Harvard University 1979

Adam J. LaBore, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
Associate Professor of Neurology
BS Louisiana College 1994
MD Loyola University Chicago 1998

Charles Murray Lawrie, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
MD Baylor College of Medicine 2012

Scott J Luhmann, MD
Professor of Orthopaedic Surgery (primary appointment)
Professor of Neurological Surgery
BA Gustavus Adolphus College 1986
MD University of Minnesota 1991

Paul Sherman Lux, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
MD Tulane University 1983

Jeffrey Wackher Martin, MD
Associate Professor in Orthopaedic Surgery (primary appointment)
MD Case Western Reserve Univ 1981

Matthew J Matava, MD
Professor of Orthopaedic Surgery (primary appointment)
Professor of Physical Therapy
MD University of MO Kansas City 1987
BA University of MO Kansas City 1986

Audrey McAlinden, PHD
Associate Professor of Orthopaedic Surgery (primary appointment)

Associate Professor of Cell Biology and Physiology
PHD University of London 1998

Christopher M McAndrew, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
MD University of Tennessee 2004

Sarah Howe McBride, PHD, MS
Adjunct Instructor in Orthopaedic Surgery (primary appointment)
PHD Case Western Reserve Univ 2011
MS Case Western Reserve Univ 2008
BS Clemson University 2004

Jeremy James McCormick, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
BS Dartmouth College 1999
MD Loyola University Chicago 2003

Douglas J. McDonald, MD
Professor of Orthopaedic Surgery (primary appointment)
BS St Johns University 1978
MD University of Minnesota 1982

John P Metzler, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
Associate Professor of Neurology
BS Texas A&M University 1991
MD University of Texas Galveston 1995

Laura L Meyers, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
MD Vanderbilt University 1993
BS Washington Univ in St. Louis 1988

Anna Noel Miller, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
MD Baylor University 2005
BA Rice University 2001

Gary Arthur Miller, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
BA University of Chicago 1973
MD Jefferson Medical College 1977

Mark L. Miller, MD, BE
Assistant Professor of Orthopaedic Surgery (primary appointment)
MD Harvard University 2008
BE Stanford University 2004

Jeffrey Jerome Neppe, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
BS Truman State University 2003
MD Washington Univ in St. Louis 2007

Ryan M. Nunley, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
BA Vanderbilt University 1998
MD University of North Carolina 2002

Regis James O'Keefe, MD, PHD
Fred C Reynolds Professor of Orthopaedic Surgery (primary appointment)
Head of the Department of Orthopaedic Surgery
MD Harvard University 1985
BA Yale University 1981
PHD University of Rochester 2000

Nathan P Olafsen, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
Assistant Professor of Neurology
MD University of MO Columbia 2012

Cecilia Pascual Garrido, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
MD Universidad del Buenos Aires 2000

Debabrata Patra, MS, PHD
Associate Professor of Orthopaedic Surgery (primary appointment)
MS University of Bombay 2005
BS University of Bombay 1985
PHD University of Pittsburgh 1993

Terrence L Piper, MD
Assistant Professor of Clinical Orthopaedic Surgery (primary appointment)
MD Saint Louis University 1975
BA Saint Louis University 1971

Heidi Prather, DOST
Professor of Orthopaedic Surgery (primary appointment)
Professor of Neurology
BA Drury College 1987
DOST Univ of Health Sciences KC 1991

Muhammad Farooq Rai, PHD
Assistant Professor of Orthopaedic Surgery (primary appointment)
PHD Freie University 2008

Elizabeth Yanik Rowlands, PHD, SCM
Assistant Professor of Orthopaedic Surgery (primary appointment)
BS University of Maryland 2007
PHD University of North Carolina 2013
SCM Johns Hopkins University 2009

Perry Lee Schoenecker, MD
Professor of Orthopaedic Surgery (primary appointment)
BS Univ of Wisconsin Madison 1964
MD Univ of Wisconsin Madison 1968

Girdhar G Sharma, PHD1, BS1, MS1
Instructor in Orthopaedic Surgery (primary appointment)
PHD1 Banaras Hindu University 2000
BS1 Banaras Hindu University 1990
MS1 Banaras Hindu University 1992

Hua Shen, MS, MD, PHD
Instructor in Orthopaedic Surgery (primary appointment)
MS Chinese Academy of Med Science 1996
MD Capital U of Medical Sciences 1991
PHD University of Konstanz 2002

Jie Shen, MS, PHD
Assistant Professor of Orthopaedic Surgery (primary appointment)
BS Nanjing University 2005
MS University of Rochester 2011
PHD University of Rochester 2012

Matthew J Silva, PHD, ME
Julia and Walter R Peterson Professor of Orthopaedic Research (primary appointment)
Assistant Professor of Biomedical Engineering
PHD Mass Inst of Technology (MIT) 1996
BS Cornell University 1982
ME Cornell University 1984

Scott A. Simpson, MD
Assistant Professor of Orthopeadic Surgery (primary appointment)
Assistant Professor of Neurology
BA Columbia University 2005
MD University of Rochester 2010

Matthew Vernon Smith, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
MD Virginia Comm University 2002

Gaurav Swarnkar, PHD
Instructor in Orthopaedic Surgery (primary appointment)
PHD CENTRAL DRUG RESEARCH INSTITUT 2011

Simon Tang, MS, PHD
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 801C 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 for 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 for 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 Shriners' 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; Shriners' 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,
M96 Ortho 825A Orthopedic Surgery Subinternship — Hand/ Microsurgery
Clinical elective available during which the student will work with attending surgeons, primarily at Barnes-Jewish Hospital. The service includes care of adult and pediatric 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 827A Orthopedic Surgery Subinternship — Hand/ Microsurgery
Clinical elective available during which 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 outpatient procedures, attendance at faculty clinic office hours, and attendance at orthopedic conferences.

M96 Ortho 830A Orthopedic Surgery Subinternship — Shoulder/Elbow
Clinical elective available during which 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 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 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. Attention 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 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. Attention 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 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 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 the student will work with attending surgeons, primarily at Barnes-Jewish Hospital, Barnes-Jewish West County Hospital, and Washington University Orthopedics - 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 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 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.