

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>

Faculty

Regis O'Keefe, MD, PhD
Department Chair

Visit our website for more information about our faculty and their appointments.

A

Yousef Abu-Amer, M.S., Ph.D.

Professor of Orthopedic Surgery (primary appointment)
Dr J Albert Key Professor of Orthopedic Surgery
Professor of Cell Biology and Physiology
Bachelor of Science, Hebrew University of Jerusalem, 1985
Master of Science, Hebrew University of Jerusalem, 1987
Doctor of Philosophy, Hebrew University of Jerusalem, 1993

Alexander William Aleem, M.S., M.D.

Associate Professor of Orthopedic Surgery (primary appointment)
Bachelor of Science, Johns Hopkins University, 2006
Doctor of Medicine, Washington University in St Louis, 2010
Master of Science, Washington University in St Louis, 2019

B

Robert L Barrack, M.D.

Professor of Orthopedic Surgery (primary appointment)
Charles F and Joanne Knight Distinguished Professor of Orthopedic Surgery
Doctor of Medicine, Vanderbilt University, 1980

Kimberly Ann Bartosiak, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Doctor of Medicine, Loyola University Chicago, 2015

Ilya Bendich, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Doctor of Medicine, Dartmouth College, 2015

Marschall Brantling Berkes, M.D.

Associate Professor of Orthopedic Surgery (primary appointment)
Doctor of Medicine, Vanderbilt University, 2008

Terra Rupert Blatnik, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Bachelor of Science, Allegheny College, 2003
Doctor of Medicine, Case Western Reserve University, 2007

Michael Anthony Boevig, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Doctor of Medicine, University of Oklahoma, 2018

Martin I Boyer, M.S., M.D.

Professor of Orthopedic Surgery (primary appointment)
Carol B and Jerome T Loeb Professor of Orthopedic Surgery
Doctor of Medicine, University of Toronto, 1988
Master of Science, University of Toronto, 1993

Keith Happ Bridwell, M.D.

Professor of Orthopedic Surgery (primary appointment)
J Albert Key Distinguished Professor of Orthopedic Surgery
Professor of Neurological Surgery
Bachelor of Arts, Washington University in St Louis, 1973
Doctor of Medicine, Washington University in St Louis, 1977

David Micah Brogan, M.S., M.D.

Associate Professor of Orthopedic Surgery (primary appointment)
Associate Professor of Neurological Surgery
Master of Science, University of London, 2005
Doctor of Medicine, Washington University in St Louis, 2009

Robert Henry Brophy, M.S., M.D.

Professor of Orthopedic Surgery (primary appointment)
Bachelor of Arts, Stanford University, 1994
Bachelor of Science, Stanford University, 1994
Master of Science, Stanford University, 1995
Doctor of Medicine, Washington University in St Louis, 2001

Jacob M Buchowski, M.S., M.D.

Professor of Orthopedic Surgery (primary appointment)
Lawrence G and Elizabeth A Lenke Distinguished Professor of Orthopedic Surgery
Division Chief - Division of Spine
Vice Chair - Department of Orthopedic Surgery
Professor of Neurological Surgery
Bachelor of Science, Yale University, 1996
Master of Science, Yale University, 1996
Doctor of Medicine, Johns Hopkins University, 2000

C

Ryan Patrick Calfee, M.D.

Professor of Orthopedic Surgery (primary appointment)
Division Chief - Division of Hand and Wrist
Bachelor of Science, University of Virginia, 1997
Doctor of Medicine, Washington University in St Louis, 2001

Alexandre Carter, Ph.D., M.D.

Associate Professor of Orthopedic Surgery (primary appointment)
Associate Professor of Occupational Therapy
Associate Professor of Neurology
Associate Professor of Radiology
Bachelor of Science, Brandeis University, 1991
Doctor of Philosophy, Harvard University, 2003

Doctor of Medicine, Harvard University, 2003

Abby Ling Lee Cheng, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Assistant Professor of Neurology
Assistant Professor of Surgery (Public Health Sciences)
Doctor of Medicine, Washington University in St Louis, 2013

John C Clohisy, M.D.

Professor of Orthopedic Surgery (primary appointment)
Daniel C. and Betty B. Viehmann Distinguished Professor of Orthopedic Surgery
Vice Chair - Department of Orthopedic Surgery
Bachelor of Arts, Northwestern University, 1985
Doctor of Medicine, Northwestern University, 1989

John Clayton Fournier Clohisy, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Assistant Professor of Neurological Surgery
Bachelor of Science, University of Notre Dame, 2013
Doctor of Medicine, University of Missouri Columbia, 2017

D

Kayla E Daniel, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Bachelor of Arts, Washington University in St Louis, 2011
Doctor of Medicine, Rush University, 2016

Gregory M Decker, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Assistant Professor of Neurology
Doctor of Medicine, American University of the Caribbean, 2014

Naomi Dirckx, M.S., Ph.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Bachelor of Science, Katholieke Universiteit Leuven, 2011
Master of Science, Katholieke Universiteit Leuven, 2013
Doctor of Philosophy, Katholieke Universiteit Leuven, 2018

Ryan Everett Doyel, M.D.

Assistant Professor of Orthopedic Surgery (Pending Executive Faculty Approval) (primary appointment)
Bachelor of Science, Marquette University, 2011
Doctor of Medicine, Creighton University, 2015

Christopher J. Dy, M.P.H., M.D.

Associate Professor of Orthopedic Surgery (primary appointment)
Associate Professor of Surgery (Public Health Sciences)
Bachelor of Science, University of Miami, 2004
Master of Public Health, University of Miami, 2008
Doctor of Medicine, University of Miami, 2008

E

Dennis Ian English, M.A., M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Bachelor of Arts, Washington University in St Louis, 2008
Doctor of Medicine, Loyola University Chicago, 2014
Master of Arts, Loyola University Chicago, null

Lawrence Glennon Evans

Voluntary Clinical Instructor in Orthopedic Surgery

F

Roberta Faccio, Ph.D.

Professor of Orthopedic Surgery (primary appointment)
Professor of Cell Biology and Physiology
Jerome J. Gilden, M.D. Endowed Distinguished Professorship in Orthopedic Surgery
Doctor of Philosophy, University of Bari, 2000

G

Richard H Gelberman, M.D.

Professor of Orthopedic Surgery (primary appointment)
Bachelor of Arts, University of North Carolina at Chapel Hill, 1965
Doctor of Medicine, University of Tennessee, 1969

Charles A Goldfarb, M.D.

Professor of Orthopedic Surgery (primary appointment)
Richard H. Gelberman, MD Distinguished Professorship in Orthopaedic Surgery
Executive Vice Chair - Department of Orthopedic Surgery
Bachelor of Arts, Williams College, 1992
Doctor of Medicine, University of Alabama in Tuscaloosa, 1996

Matthew Lawrence Goodwin, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Assistant Professor of Neurological Surgery
Doctor of Medicine, Cornell University, 2013

J. Eric Gordon, M.D.

Professor of Orthopedic Surgery (primary appointment)
Bachelor of Science, University of California, 1983
Doctor of Medicine, University of California Davis, 1988

Farshid Guilak, M.P.H., M.S., Ph.D.

Professor of Orthopedic Surgery (primary appointment)
Mildred B. Simon Research Professorship in Orthopaedic Surgery
Professor of Biomedical Engineering
Professor of Mechanical Engineering and Materials Science
Professor of Developmental Biology
Bachelor of Science, Rensselaer Polytechnic Institute, 1985
Master of Science, Rensselaer Polytechnic Institute, 1987
Master of Public Health, Columbia University, 1990
Doctor of Philosophy, Columbia University, 1992

Munish C Gupta, M.D.

Professor of Orthopedic Surgery (primary appointment)
Mildred B. Simon Distinguished Professor of Orthopedic Surgery
Bachelor of Science, Northwestern University, 1982
Doctor of Medicine, Northwestern University, 1986

H

Mark E. Halstead, M.D.

Professor of Orthopedic Surgery (primary appointment)
Professor of Pediatrics
Bachelor of Science, University of Wisconsin Madison, 1994

Doctor of Medicine, University of Wisconsin Madison, 1998

Jeremy A Hartman, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Doctor of Medicine, Saint Louis University, 2013

Damon Joseph Louis Hays, M.D.

Voluntary Clinical Instructor in Orthopedic Surgery
Bachelor of Science, Truman State University (Duplicate of Truman State University (Formerly Northeast Missouri State University)), 1998
Main Campus), 2003

William Louis Hollabaugh, M.D.

Assistant Professor of Orthopedic Surgery (Pending Executive Faculty Approval) (primary appointment)
Bachelor of Science, Marquette University, 2014
Doctor of Medicine, Medical College of Wisconsin, 2018

Pooya Hosseinzadeh, M.D.

Associate Professor of Orthopedic Surgery (primary appointment)
Doctor of Medicine, Isfahan University of Medical Sciences, 2004

Devyani M. Hunt, M.D.

Professor of Orthopedic Surgery (primary appointment)
Division Chief - Division of Physical Medicine & Rehabilitation
Professor of Neurology
Bachelor of Science, University of Texas Austin, 1995
Doctor of Medicine, University of Texas Houston, 2000

Aaron Huser, D.O.

Assistant Professor of Orthopedic Surgery (Pending Executive Faculty Approval) (primary appointment)
Bachelor of Science, University of Wisconsin, 2006
Doctor of Osteopathic Medicine, Midwestern University, 2010

Kelly Hynes, M.S., M.D.

Associate Professor of Orthopedic Surgery (Pending Executive Faculty Approval) (primary appointment)
Bachelor of Science, Dalhousie University, 2006
Doctor of Medicine, Memorial University of Newfoundland, 2010
Master of Science, University of Chicago, 2023

J

Sindhu Saji Jacob, M.D.

Associate Professor of Orthopedic Surgery (primary appointment)
Doctor of Medicine, Kottayam Medical College, 1994

Kirsten A Jansen, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Doctor of Medicine, University of Missouri Kansas City, 2011

Jeffrey E Johnson, M.D.

Professor Emeritus of Orthopedic Surgery
Bachelor of Arts, Duke University, 1976
Doctor of Medicine, Georgetown University, 1980

Neringa Juknis, M.D.

Associate Professor of Orthopedic Surgery (primary appointment)
Doctor of Medicine, Lithuanian University of Health Sciences, 1989

K

Jay Donovan Keener, M.D.

Professor of Orthopedic Surgery (primary appointment)
Division Chief - Division of Shoulder and Elbow
Vice Chair - Department of Orthopedic Surgery
Bachelor of Science, West Virginia University, 1991
Doctor of Medicine, West Virginia University, 1998

Brian Adams Kelly, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Assistant Professor of Neurological Surgery
Bachelor of Arts, Williams College, 2002
Doctor of Medicine, Columbia University, 2009

Derrick Michael Knapik, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Main Campus, 2014

Christine Krull, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Assistant Professor of Neurology
Doctor of Medicine, University of Missouri Columbia, 2013

L

Adam J. LaBore, M.D.

Professor of Orthopedic Surgery (primary appointment)
Division Chief - Division of Orthopedic Injury Clinic
Professor of Neurology
Bachelor of Science, Louisiana College, 1994
Doctor of Medicine, Loyola University Chicago, 1998

Mark J. Lambrechts, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Assistant Professor of Neurological Surgery
Oxford, 2010
Doctor of Medicine, Tulane University, 2016

Xiaofei Li, Ph.D.

Instructor in Orthopedic Surgery (primary appointment)
Doctor of Philosophy, Stony Brook University, 2019

Scott J Luhmann, M.D.

Professor of Orthopedic Surgery (primary appointment)
Professor of Neurological Surgery
Bachelor of Arts, Gustavus Adolphus College, 1986
Doctor of Medicine, University of Minnesota, 1991

M

Matthew J Matava, M.D.

Professor of Orthopedic Surgery (primary appointment)
Division Chief - Division of Sports Medicine
Professor of Physical Therapy
Bachelor of Arts, University of Missouri Kansas City, 1986
Doctor of Medicine, University of Missouri Kansas City, 1987

Audrey McAlinden, Ph.D.

Professor of Orthopedic Surgery (primary appointment)

Professor of Cell Biology and Physiology
Doctor of Philosophy, University of London, 1998

Christopher M McAndrew, M.D.

Associate Professor of Orthopedic Surgery (primary appointment)
Doctor of Medicine, University of Tennessee, 2004

Jeremy James McCormick, M.D.

Professor of Orthopedic Surgery (primary appointment)
Division Chief - Division of Foot and Ankle
Baccalaureatus, Dartmouth College, 1999
Doctor of Medicine, Loyola University Chicago, 2003

Douglas J. McDonald, M.D.

Professor Emeritus Orthopaedic Surgery
Bachelor of Science, Saint Johns University, 1978
Doctor of Medicine, University of Minnesota, 1982

Maria Isabel Menendez Montes, D.V.M., Ph.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Doctor of Veterinary Medicine, University of Leon, 2002
Main Campus, 2015

John P Metzler, M.D.

Professor of Orthopedic Surgery (primary appointment)
Professor of Neurology
Bachelor of Science, Texas A&M University, 1991
Doctor of Medicine, University of Texas Galveston, 1995

Zachary Isaac Meyer, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Doctor of Medicine, Washington University in St Louis, 2015

Laura L Meyers, M.D.

Associate Professor of Orthopedic Surgery (primary appointment)
Bachelor of Science, Washington University in St Louis, 1988
Doctor of Medicine, Vanderbilt University, 1993

Anna Noel Miller, M.D.

Professor of Orthopedic Surgery (primary appointment)
Jerome J. Gildea, MD Endowed Distinguished Professor of Orthopaedic Surgery
Vice Chair - Department of Orthopedic Surgery
Division Chief - Division of Orthopedic Trauma
Bachelor of Arts, Rice University, 2001
Doctor of Medicine, Baylor College of Medicine, 2005

Mark L. Miller, M.D.

Associate Professor of Orthopedic Surgery (primary appointment)
Bachelor of Science, Stanford University, 2004
Doctor of Medicine, Harvard University, 2008

Blake Karlton Montgomery, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Assistant Professor of Neurological Surgery
Doctor of Medicine, University of Missouri Kansas City, 2016

Marie Theresa Morris, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Bachelor of Science, University of Arkansas Main Campus, 2012
Doctor of Medicine, Washington University in St Louis, 2016

N

Jeffrey Jerome Nepple, M.D.

Associate Professor of Orthopedic Surgery (primary appointment)
Bachelor of Science, Truman State University (Formerly Northeast Missouri State University), 2003
Doctor of Medicine, Washington University in St Louis, 2007

Brian J. Neuman, M.D.

Professor of Orthopedic Surgery (primary appointment)
Professor of Neurological Surgery
Doctor of Medicine, Thomas Jefferson University, 2007

Ryan M. Nunley, M.D.

Associate Professor of Orthopedic Surgery (primary appointment)
Bachelor of Arts, Vanderbilt University, 1998
Doctor of Medicine, University of North Carolina at Chapel Hill, 2002

O

Regis James O'Keefe, Ph.D., M.D.

Professor of Orthopedic Surgery (primary appointment)
Fred C Reynolds Professor of Orthopedic Surgery
Head of the Department of Orthopedic Surgery
Bachelor of Arts, Yale University, 1981
Doctor of Medicine, Harvard University, 1985
Doctor of Philosophy, University of Rochester, 2000

Mitchel Robert Obey, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Bachelor of Arts, Luther College Iowa, 2012
Doctor of Medicine, Mayo Medical School, 2017

Arin D Oestreich, Ph.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Doctor of Philosophy, University of Missouri Columbia, 2015

Nathan P Olafsen, M.D.

Associate Professor of Orthopedic Surgery (primary appointment)
Associate Professor of Neurology
Doctor of Medicine, University of Missouri Columbia, 2012

P

Nicholas Pallotta, M.S., M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Assistant Professor of Neurological Surgery
Bachelor of Science, Rensselaer Polytechnic Institute, 2007
Master of Science, Rensselaer Polytechnic Institute, 2009
Doctor of Medicine, Stony Brook School of Medicine, 2013

Joseph Pangelinan, M.A., Ph.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Master of Arts, Southeast Missouri State University, 1995
Doctor of Philosophy, University of Missouri in St Louis, 2015

Cecilia Pascual Garrido, M.D.

Associate Professor of Orthopedic Surgery (primary appointment)
Doctor of Medicine, Universidad de Buenos Aires, 2000

R

Elizabeth Yanik Rowlands, Sc.M., Ph.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
College Park, 2007
Master of Science, Johns Hopkins University, 2009
Doctor of Philosophy, University of North Carolina at Chapel Hill, 2013

Rimma Ruvinskaya, M.D.

Associate Professor of Orthopedic Surgery (primary appointment)
Doctor of Medicine, Saint Petersburg State Pediatric Medical Academy,
1985

S

Linda J Sandell, M.S., Ph.D.

Professor Emeritus of Orthopedic Surgery
Bachelor of Arts, University of Denver, 1969
Master of Science, University of Denver, 1971
Doctor of Philosophy, Northwestern University, 1980

Andrew M. Schneider, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Bachelor of Arts, University of California Berkeley, 2011
Stritch School of Medicine, 2017

Perry Lee Schoenecker, M.D.

Professor of Orthopedic Surgery (primary appointment)
Bachelor of Science, University of Wisconsin Madison, 1964
Doctor of Medicine, University of Wisconsin Madison, 1968

Girdhar G Sharma, M.S., Ph.D.

Instructor in Orthopedic Surgery (primary appointment)
Bachelor of Science, Banaras Hindu University, 1990
Master of Science, Banaras Hindu University, 1992
Doctor of Philosophy, Banaras Hindu University, 2000

Jason Shellhaas

Voluntary Clinical Assistant Professor of Orthopedic Surgery

Hua Shen, M.S., Ph.D., M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Doctor of Medicine, Capital University of Medical Sciences (#####),
1991
Master of Science, Peking Union Medical College (#####formerly ##
#####), 1996
Doctor of Philosophy, University of Konstanz, 2002

Jie Shen, M.S., Ph.D.

Associate Professor of Orthopedic Surgery (primary appointment)
Bachelor of Science, Nanjing University (####), 2005
Master of Science, University of Rochester, 2011
Doctor of Philosophy, University of Rochester, 2012

Matthew J Silva, M.Eng., Ph.D.

Professor of Orthopedic Surgery (primary appointment)
Julia and Walter R Peterson Professor of Orthopedic Research
Vice Chair - Research, Department of Orthopedic Surgery
Professor of Mechanical Engineering and Materials Science
Assistant Professor of Biomedical Engineering

Bachelor of Science, Cornell University, 1982
Master of Engineering, Cornell University, 1984
Doctor of Philosophy, Massachusetts Institute of Technology, 1996

Scott A. Simpson, M.D.

Associate Professor of Orthopedic Surgery (primary appointment)
Associate Professor of Neurology
Bachelor of Arts, Columbia University, 2005
Doctor of Medicine, University of Rochester, 2010

Matthew Vernon Smith, M.D.

Professor of Orthopedic Surgery (primary appointment)
Doctor of Medicine, Virginia Commonwealth University, 2002

Michael F Sookochoff, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Doctor of Medicine, University of Wisconsin Madison, 2016

Katherine Caroline White Stenson, M.D.

Associate Professor of Orthopedic Surgery (primary appointment)
Associate Professor of Neurology
Bachelor of Arts, Washington University in St Louis, 1994
Doctor of Medicine, Northwestern University Medical, 2018

Jason Strelzow

Associate Professor Orthopedic Surgery (Pending Executive Faculty
Approval) (primary appointment)

Gaurav Swarnkar, Ph.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Doctor of Philosophy, Jawaharlal Nehru University, 2012

T

Katharine Tam, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Assistant Professor of Neurology
Bachelor of Science, Cornell University, 2010
Doctor of Medicine, Albert Einstein College of Medicine, 2014

Chi-Tsai Tang, M.D.

Associate Professor of Orthopedic Surgery (primary appointment)
Associate Professor of Neurology
Doctor of Medicine, University North Carolina, 2004

Simon Tang, M.S., Ph.D.

Associate Professor of Orthopedic Surgery (primary appointment)
Associate Professor or Mechanical Engineering and Materials Science
Bachelor of Science, University of California Berkeley, 2003
Master of Science, Rensselaer Polytechnic Institute, 2005
Doctor of Philosophy, Rensselaer Polytechnic Institute, 2007

Andrew Paul Thome, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Bachelor of Arts, University of Missouri Kansas City, 2013
Doctor of Medicine, University of Missouri Kansas City, 2015

W

Lindley Bevelle Wall, M.D.

Professor of Orthopedic Surgery (primary appointment)
Jacqueline N Baker and W. Randolph Baker Professor

Division Chief - Division of Pediatrics
Bachelor of Science, Duke University, 2002
Doctor of Medicine, Washington University in St Louis, 2006

Cuicui Wang, M.S., Ph.D.

Assistant Professor of Orthopedic Surgery (Pending Executive Faculty Approval) (primary appointment)
Bachelor of Science, Soochow University (#####), 2005
Master of Science, Nanjing University, 2008
Doctor of Philosophy, University of Rochester, 2014
Bachelor of Science in Nursing, Goldfarb School of Nursing, 2020

Melissa A. Wright, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Bachelor of Science, Duke University, 2010
Doctor of Medicine, Washington University in St Louis, 2014

Rick Wayne Wright, M.D.

Voluntary Clinical Professor of Orthopedic Surgery
Bachelor of Science, University of Missouri Columbia, 1984
Doctor of Medicine, University of Missouri Columbia, 1988

Z

Benjamin Matthew Zmistowski, M.D.

Assistant Professor of Orthopedic Surgery (primary appointment)
Doctor of Medicine, Jefferson Medical College, 2014

Research Electives

Orthopaedic Surgery Research Electives

During the fourth year, opportunities exist for many varieties of advanced clinical or research experiences.

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 (orthosurg@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

- Deeptee Jain, 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

Courses

Visit online course listings to view offerings for M96 Ortho.

M96 Ortho 807 Physical Medicine and Rehabilitation (Clinical Elective)

The elective is designed to provide the student with a broad introduction to the field of Physical Medicine and Rehabilitation. Major objective of this clinical elective is to achieve greater knowledge of the neurological and musculoskeletal diseases and their treatment, and gain understanding of basic principles of rehabilitation. The student will learn the clinical and rehabilitative care of patients with strokes, traumatic brain injury, spinal cord trauma and diseases, and limb amputations. Student will gain clinical skills in evaluating in management of functional impairments. Students will be expected to participate in daily rounds on inpatient rehabilitation units with the clinical care team, follow 3-5 patients, attend multidisciplinary team conferences and family meetings, attend outpatient rehabilitation clinics in spinal cord, stroke, traumatic brain injury, and amputee. Teaching and supervision is provided by the physiatry and neurology faculty of the Division of Rehabilitation. Rehabilitation and neurology residents are involved in student teaching as well. Students are required to participate in didactic teaching conferences within the PM&R residency. This rotation is particularly useful for students considering careers in rehabilitation, neurology, geriatrics, primary care, neurosurgery, or any other field that will require experience in the evaluation and management of patients with physical impairment and disabilities.

Credit variable, maximum 4 units.

M96 Ortho 815 Orthopedic Surgery (Clinical Elective)

Available blocks: All
2 or 4 weeks

This 2 or 4 week elective will allow for a rich immersion within one of many possible orthopaedic surgery subspecialties. The student will be assigned to a mentor/preceptor and work primarily with a single attending within the possible available subspecialties including orthopaedic oncology, hand surgery, orthopaedic trauma, sports medicine, arthroplasty and adult reconstruction, pediatric

orthopaedics, spine, foot and ankle or shoulder and elbow. The student will have the opportunity to care for patients in the inpatient and outpatient setting, and working within a team to include residents, attendings and possibly fellows. Emphasis will be on the evaluation and treatment of a variety of orthopaedic conditions in the outpatient clinic and hospital. Surgical education with an emphasis on anatomy, surgical approaches and operative rationale will be central to the rotation. Participation in department and service specific lectures and conferences will be expected. Overnight call responsibilities will be available to allow for further exposure to the management of acute orthopaedic problems in the emergency room.

Student time distribution: Variable by service. Inpatient 0-80%; Outpatient 20-100%; Conferences/Lectures 10%; Subspecialty Care 80%

Patients seen weekly: Variable, approximately 80

On-call/weekend responsibility: Call will be expected. Frequency will be no more than every 4th day, variable based on number of students in the call pool.

Credit variable, maximum 4 units.

M96 Ortho 816 PM&R Musculoskeletal and Sports Medicine (Clinical Elective)

Available blocks: 1, 2, 4, 5, 6, 7, 9, 10, 11, 13, 14, 15, 16

Rotation options: 2 or 4 weeks

In this outpatient Physical Medicine and Rehabilitation rotation, students will assess patients with musculoskeletal and sport medicine concerns, develop a diagnostic approach, and design treatment plans. Common presenting concerns include acute or chronic pains, strains, and sprains. Students will be exposed to a variety of outpatient procedures including diagnostic ultrasound, electrodiagnostic testing, as well as anatomic, ultrasound, and fluoroscopic-guided injections. This rotation is useful for any student, especially those interested in PM&R, primary care, emergency medicine, radiology, and orthopedic surgery.

Duties: Evaluating new and return patients in clinic, participating in and helping with outpatient procedures, attending PM&R Conference / Journal club. All of this will be under the guidance of attendings, residents, and possibly fellows.

Patient population: pediatric and adult, including geriatric

Student time distribution: 95% Outpatient; 5% Conferences/Lectures; 100% Subspecialty care

Patients seen weekly: 15-25 per day, 60-125 per week, 30-50 of which will be outpatient procedures

On-call/weekend responsibility: none

Credit variable, maximum 4 units.

M96 Ortho 817 PM&R and Orthopedic Injury Clinic (Clinical Elective)

Available blocks: 1, 2, 4, 5, 6, 7, 11, 13, 14, 15, 16

Rotation options: 2 weeks

In this outpatient Physical Medicine and Rehabilitation rotation, students will assess patients presenting to the Orthopedic Injury Clinic, our orthopedic urgent care clinic. Common presenting concerns include acute or chronic pains, fractures, strains, and sprains. Students will help develop a diagnostic approach and design treatment plans. Students will be exposed to a variety of outpatient

procedures including diagnostic ultrasound, anatomic, ultrasound, and fluoroscopic-guided injections. This rotation is useful for any student, especially those interested in PM&R, primary care, emergency medicine, pediatrics, radiology, and orthopedic surgery.

Duties: Evaluating new and return patients in clinic, participating in and helping with outpatient procedures, attending PM&R Conference / Journal club. All of this will be under the guidance of attendings, residents, and possibly fellows.

Patient population: pediatric and adult, including geriatric

Student time distribution: 95% Outpatient; 5% Conferences/Lectures; 100% Subspecialty care

Patients seen weekly: 15-25 per day, 60-125 per week, 30-50 of which will be outpatient procedures

On-call/weekend responsibility: none

Credit variable, maximum 4 units.

M96 Ortho 899 Special Study Elective: Orthopedic Surgery

Credit variable, maximum 16 units.

M96 Ortho 899C Clinical Special Study Elective: Ortho

Credit variable, maximum 16 units.

M96 Ortho 910 Orthopedic Surgery Advanced Clinical Rotation (ACR)

This will be a 4 week clinical experience involving the evaluation, diagnosis and treatment of orthopedic conditions. This will be an inpatient and outpatient clinical experience with exposure to a variety of degenerative and acute orthopedic disease states. Students will be expected to function at the level of a PGY1 with regard to clinical duties and responsibilities. Participation will involve floor management, ER evaluation, operating theatre participation and outpatient clinic experience. Emphasis will be on correlating anatomy to function in normal and pathologic states. Patient populations: adult and pediatric Services: orthopedic trauma, adult reconstruction (joint replacement), or pediatric orthopedics Duties: rounding on inpatients, participating in service and department wide education conference, participating/assisting in operations, seeing and evaluating new, return and postoperative patients in clinic, taking call in the emergency room. This will be done under the guidance of attendings, fellows and residents.

Credit 4 units.