

Joint Ventures

DEPARTMENT OF ORTHOPAEDIC SURGERY, SPORTS MEDICINE & REHABILITATION



Boonshoft
School of Medicine
WRIGHT STATE UNIVERSITY

Department of Orthopaedic Surgery
Sports Medicine & Rehabilitation

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Message from the Chair	1-2
Orthopaedic Surgery Residency Update	2
Orthopaedic Trauma Update	3
Residency ABOS Board Results	3
Orthopaedic Interest Group	3
Resident Education Fund Contributions	4
Graduation Research Symposium	4
New Residents and Fellows	4
39th Annual Graduation Ceremony	5
Educational Sessions to the Public	6
New Location Opens on Wright State Campus	6
Resident Earns Humanism and Excellence in Teaching Award	6
Department Faculty Appointed to Service Line Councils	6
Physical Therapy at Wright State	7
Department News	8
Visiting Professors	8
Dr. Pompe	8
Orthopaedic Symposium	9
Weddings and Births	9
Plastic Surgery Residency Update	10-11
Scholarly Activity	12-15
Upcoming Events	15



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Message from the Chair



It seems each year I write this article, it starts with the observation that the past year has been one of change. This year is no exception. The major challenges lie

in managing collaborative work between large institutions in order to work toward common goals. In general, the larger the institution, the slower the change; however, our goal of advancing musculoskeletal education and delivery of care remains the same.

Over the past year, Premier Health created service line councils for their major clinical areas. Orthopaedics and Sports Medicine are two of these groups. The purpose of these councils is to improve the quality of orthopaedics at all the participating hospitals through data sharing. In this work group we are able to share information on best practices with the goal of raising the quality of orthopaedic and musculoskeletal care throughout the health system. The participating hospitals are Atrium Medical Center in Middletown, Miami Valley Hospital South, Miami Valley Hospital, Good Samaritan Hospital, and Upper Valley Medical Center in Troy. Representative orthopaedic surgeons and primary care sports medicine physicians comprise the councils and have been meeting over the past six months. It has been very educational just to hear about what is being done in hospitals that have been competitors historically. As health care delivery and utilization change in the coming years, these types of alliances will become increasingly important.

These collaborations extend into the education and research areas. This past year, Wright State University and Premier Health formed the Clinical Trials and Research Alliance to lay the groundwork for clinical research. This group holds great potential, and Wright State

Orthopaedics is excited to be a part of it. By aligning the five-hospital system and the university, resources can be pooled with the advantage of gaining access to large volumes of patients. Last year there were 2,200 hip and knee replacements done in Premier hospitals. This is just one example of creating a large database by combining patient numbers from multiple hospitals. Collecting information on these large groups of patients will allow us to be competitive for research funding, which will greatly enhance the educational experiences for many of our students and residents. In addition, ground has been broken on the Neuroscience and Engineering Collaboration Building on the main campus of Wright State. This will be an extension of the Neuroscience Institute and provide basic and translational research opportunities for scientists, students, and residents. The emphasis on starting these projects has been to more closely align clinicians with basic scientists to promote translational research. These goals are becoming reality as the groups are now in place—the challenge is to seize the opportunities that have been created.

The research labs in our department, along with the tissue engineering lab in the Division of Plastic Surgery, continue to develop. Greg Gould balances his time between the tissue engineering lab and the biomechanics lab. He has had a busy year as we purchased equipment to test the mechanics of soft tissue, tendons, and ligaments in our biomechanics lab at Miami Valley Hospital. We are very appreciative of the support given by Dan Nolan, the lab director. In addition, Greg was able to move the tissue lab into the offices at Miami Valley Hospital allowing full access to the plastic surgery residents and faculty. This proximity in location fosters the exchange of ideas and will promote the translational research that is our goal. In addition to these labs, we have received excellent support from Greg Boivin, Ph.D., director of the animal lab at Wright State; Dana Duren, Ph.D., from the

continued from page 1

Lifespan Health Research Center; and Ron Markert, Ph.D. Each of these researchers has made generous contributions of their time and resources to collaborate with our department in numerous research projects.

On the clinical side, last summer we opened the medical office building on the Wright State campus. This building brings together the athletic training department of the university with the resources of the medical school. The first floor houses the athletic training department with our new physical therapy division creating a unique environment where we can deliver a service to the community and provide a learning environment for athletic training students. This will also be the main location for the trainers for the varsity athletes, intramural,

and club sports. By bringing together these groups, we can efficiently share equipment, knowledge, and experience in providing care not only to high level athletes, but also to patients seeking similar programs. This collaboration will create opportunities for research and education in sports performance and provide a unique learning environment for athletic training students, medical students, and residents. Our sports medicine physicians (Matt Lawless, M.D., and Corey Ellis, M.D., team physicians for WSU Athletics; and Mike Herbenick, M.D., and Joe Rubino, M.D., team physicians for University of Dayton) each see patients in this building. We now have diagnostic ultrasound and MRI imaging and DEXA scanning. In addition, it is the site of our newly opened

Concussion Clinic run by Corey Ellis, M.D., that provides baseline IMPACT testing along with evaluation and management of concussions. The building is next to the new synthetic turf fields constructed by the university and right down the street from the newly renovated baseball field and the Nutter Center. I invite everyone to come out and see the new facilities.

These are challenging times in health care and alliances between former competitors are more important now than ever before. Wright State Orthopaedics has positioned itself to accept and adapt to these challenges without compromising the goal of excellent patient care and progressive educational programs.

—Richard T. Laughlin, M.D.

Orthopaedic Surgery Residency Update



Our program had another quality class of graduating chief residents to send off to the world to take care of people. We graduated four residents this past June, all of whom have decided to pursue subspecialty training. Dr. Michael Anderson decided to start a Trauma

Fellowship this year in Minnesota. Dr. Ben Kleinhenz started his fellowship position at the University of Iowa in hand surgery. Dr. Manny Konstantakos accepted a fellowship position at the University of Illinois Chicago in sports medicine. Dr. Matt Noyes accepted the Rockwood Shoulder and Elbow Fellowship in San Antonio, Texas. Our residents continue to obtain excellent postgraduate fellowships, and we are proud of their accomplishments.

We were very fortunate in the NRMP match this past year and are proud to have matched with Dr. Andrea Stitgen, Dr. Roman Trimba, Dr. Chris Wild, and Dr. Chad Williams. We

welcome our new residents to the Wright State University Orthopaedic Surgery family. The residency continues to grow and flourish with quality graduates and an impressive complement of new residents.

As residency program rules and health care continue to change, the department has been busy making adjustments to the educational process. One of the primary focuses for the ACGME has been on supervision policies for residency programs. We have adjusted policies for the program and continue to work on the balance of graduated responsibilities and autonomy for the program. We are continuing our commitment to improving resident skills through our arthroscopic simulator and sawbones skills labs. The need for better surgical simulation modules becomes more critical as resident work hours and decreasing autonomy have changed resident educational programs across the country. We continue to explore creative avenues to enhance the surgical skills experience for the residents.

Additionally, we implemented a new educational curriculum this past year focused on system-based learning modules for our residents. Integrating multiple teaching disciplines from the Wright State and community faculty has yielded a higher quality educational model centered on maximizing residency education. The changes we have made in the curriculum have been very positive for the residents. We are dedicated to staying ahead of the educational curve by creating unique learning environments that improve procedural skills and orthopaedic knowledge for our residents. As health care policy changes, resident demands increase, and work hours become more restricted, we are constantly looking for ways to optimize the educational process. We thank our dedicated alumni for their support. Know that your contributions to the Wright State University Orthopaedic Residency Program continue to improve resident education and make this a special place to train.

—Michael A. Herbenick, M.D.

Orthopaedic Trauma Update



The orthopaedic trauma service at Miami Valley Hospital remains busy. The trauma admission volume remains steady compared to last year, even with Kettering Medical Center functioning as a Level 2 trauma center since November of 2011. Over 90 percent of our trauma admissions occur through a blunt mechanism of injury. Falls and motor vehicle collisions remain the two most common mechanisms of injury.

Eight faculty members (both academic and clinical) contribute to the orthopaedic trauma coverage at the hospital. Dr. Indresh Venkatarayappa will be joining Wright State Physicians, Inc., in July 2013 and be a welcome addition to the academic orthopaedic trauma program. Additionally, the orthopaedic trauma fellow, three orthopaedic residents (chief, R-3, intern), Diane Kimpel, R.N., and an emergency medicine resident, provide daily coverage and support for the service.

The orthopaedic trauma fellowship continues with full accreditation through the Accreditation Council for Graduate Medical Education (ACGME) and solid support from Miami Valley Hospital. Last year's

graduate, Eric Verwiebe, M.D., has a military assignment at Landstuhl Regional Medical Center in Germany. Our current fellow, Kim Poludnianyk, D.O., will return to her training program as an attending traumatologist in Clemens, Michigan. Next year, Nicholas Quercetti, D.O., will join us from his orthopaedic training program in New Jersey. Two affiliates of our program, Drs. Jerele and Horne, have both secured trauma fellowships for the 2014-2015 year. Dr. Jerele will be at Duke University and Dr. Horne at Ortho Indy.

The C-Stars Program (Center for Sustainment of Trauma and Readiness Skills) with Wright-Patterson Air Force Base continues strong. Brandon Horne, M.D., and Bryan Hooks, D.O., have participated thus far. Dr. Horne will have a regular presence at Miami Valley Hospital until he leaves for his fellowship.

We look forward to another busy year in orthopaedic trauma at Miami Valley Hospital, providing important educational opportunities to our medical students, residents, and fellow.

—Michael J. Prayson, M.D.

Residency ABOS Board Results

Part I

Michael Anderson, M.D. (2012)
Benjamin Kleinhenz, M.D. (2012)
Matthew Noyes, M.D. (2012)

Part II, Board Certified

David Dalstrom, M.D. (2012)
Paul Sensiba, M.D. (2012)

Orthopaedic Interest Group



The Wright State University Boonshoft School of Medicine Orthopedic Interest Group continued to be well attended over the previous year. The group was led by fourth year

medical students Ryan Hamilton and Dan Luckenbill. Meetings included a presentation on "Getting into an Orthopaedic Residency." There was also an orthopaedic trauma sawbones lab where students were given the opportunity to drill and fill plates and screws in bone models provided by our local Zimmer representatives.

Drew Burleson, M.D., the 2012 orthopaedic-focused medical student graduate, matched at Loyola University Medical Center.

We continue to offer two fourth-year electives for medical students, one for students interested in surgery and one for those going into primary care. In addition, several students participate in research electives in the student initiated elective program. The electives have been popular and we enjoy our interaction with the medical students.

Our 2013 graduating medical students matched as follows:

Zachary DiPaolo – Wright State University Boonshoft School of Medicine

Ryan Hamilton – University of Toledo

Dan Luckenbill – Wright State University Boonshoft School of Medicine

Jeff Otte – Mount Caramel Health System, Columbus

—Michael D. Barnett, Jr., M.D.

Resident Education Fund Contributions

Bledsoe/Vollmer Medical Systems, LLC

Cadence Pharmaceuticals/
Jan M. Wineberg

Gerard A. and Marilyn J. Dehner

J. Adam Hamilton, M.D., and
Vanessa D. Hamilton

Janssen Pharmaceuticals, Inc.

Northwestern Mutual/
Benjamin C. Roelle

Ortho McNeil/Beth Gochenouer

Ridgewood Nursing & Rehab
Center

Charles A. Rockwood Jr., M.D.
Stryker/Joe Keller & Jason Brown
Synthes USA

Seventh Annual Graduation Research Symposium

The seventh annual scientific symposium was held Friday, May 4, 2012, in connection with the 2012 graduation. Dr. Charles Rockwood, professor and chairman emeritus and director of Shoulder Services of the University of Texas Health Science Center at San Antonio's Department of Orthopaedics, served as visiting professor and presented "Proximal Humerus Fractures" and "Industry Relations with Orthopaedic Surgeons."

John Dundon, M.D. (PGY-2)
Hemiarthroplasty for Osteoarthritis

Peter Knoll, M.D. (PGY-2)
Acromion Fracture Non-Union After Reverse TSA

Jennifer Jerele, M.D. (PGY-3)
Open Reduction Internal Fixation Capitellum

Chris Lyons, M.D. (PGY-4)
Hemiarthroplasty with Biological Resurfacing of the Glenoid with Allograft Meniscus

Indresh Venkatarayappa, M.D. (PGY-4)
Treatment of Clavicle Fracture with a Rockwood Screw

Emmanuel Konstantakos, M.D. (PGY-5)
Isolated Plasmacytoma of Scapula

Ryan Rieser, M.D. (Research Resident)
Distal Third Clavicle Fracture Fixation:
A Biomechanical Evaluation of Fixation

Matthew Ross, M.D. (Research Resident)
Sizing of the Lesser Toe Flexor Digitorum Tendon and the Proximal Phalanx for Hammertoe Correction

David Nelles, M.D. (PGY-2)
The Protective Effect of Locking Screw Placement on Non-locking Screw Extraction Torque in an Osteoporotic Supracondylar Femur Fracture Mode

Brett LaFleur, M.D. (PGY-3)
Retrospective Study of a Comprehensive Pain Protocol Using a Continuous Fascia Iliaca Compartment Block

Michael Coffey, M.D. (PGY-4)
Treatment of Glenohumeral Sepsis with a Commercially Produced Antibiotic-Impregnated Cement Spacer

Michael Anderson, M.D. (PGY-5)
Revision Total Knee Arthroplasty in a Veteran Population

Ben Kleinhenz, M.D. (PGY-5)
The Metal-backed Glenoid Component in Total Shoulder Arthroplasty: A Systematic Review

Matthew Noyes, M.D. (PGY-5)
Functional and Radiographic Long Term Outcomes of Hemiarthroplasty in 3- and 4-Part Proximal Humerus Fractures

2012 Residents and Fellows



Andrea Stitgen, M.D.
The University of Wisconsin School of
Medicine & Public Health



Christopher Wild, M.D.
University of Oklahoma College of
Medicine



Kim Poludniaynk, D.O.
Orthopaedic Trauma Fellow
M.D. – Des Moines University College
of Osteopathic Medicine
Residency—Mount Clemens Regional
Medical Center



Roman Trimba, M.D.
Jefferson Medical College
6-Year Research Track



Chad Williams, M.D.
Creighton University School of
Medicine
6-Year Research Track

39th Annual Graduation Ceremony

Orthopaedic Surgery Residency Program

Dayton Country Club ■ June 8, 2012



Graduates

Michael J. Anderson, M.D.

M.D.—University of Wisconsin School of Medicine and Public Health
Private Practice—General Orthopaedic Surgeon, Dayton, Ohio

Benjamin P. Kleinhenz, M.D.

M.D.—University of Cincinnati College of Medicine
Hand and Upper Extremity Fellowship—University of Iowa Hospitals
and Clinics

Emmanuel K. Konstantakos, M.D.

M.D.—Case Western Reserve University
Sports Medicine Fellowship—University of Illinois Chicago

Matthew P. Noyes, M.D.

M.D.—The University of Toledo College of Medicine
Shoulder & Elbow Surgery Fellowship—UT Health Science Center
at San Antonio

Eric Verwiebe, M.D. – Orthopaedic Trauma Fellow

M.D.—Uniformed Services UHSC
Internship/Residency—William Beaumont Army Medical Center
Orthopaedic Trauma Surgeon—Landstuhl Regional Medical Center,
Germany

Department Awards

1st Place Basic Science Award

Matthew P. Noyes, M.D.

2nd Place Basic Science Award

Benjamin Kleinhenz, M.D.

Dr. Anderson's Teaching Excellence Award

Steven Kleinhenz, M.D.

Dr. Kleinhenz' Teaching Excellence Award

Peter Barre, M.D.

Dr. Konstantakos' Teaching Excellence Award

Michael Albert, M.D.

Overall Teaching Excellence Award

Anil Krishnamurthy, M.D.

Educational Sessions for the Public Instituted

On November 20, 2012, Dr. Laughlin hosted the inaugural educational session for the general public on various orthopaedic issues. The goal of these sessions is to provide a free service to the public to learn more information about common orthopaedic issues they may be experiencing. Attendees are able to ask questions of the presenting physician in a comfortable and nonmedical environment. Dr. Laughlin's session focused on common problems in the adult foot and highlighted the more recent focus of treating Achilles heel pain with platelet rich plasma (PRP) injections.

The sessions are scheduled for the third Thursday monthly. The schedule included:

Common Problems in the Adult Foot – Richard Laughlin, M.D. (November 20)

Common Causes of Knee Pain – Joe Rubino, M.D. (January 15)

Common Causes of Shoulder Pain – Michael Herbenick, M.D. (February 19)

Plastic Surgery: It is More Than Just Cosmetics – Salim Mancho, D.O. (March 19)

Concussion Update – Corey Ellis, M.D. (April 23)

Common Painful Disorders of Muscles, Bones, Joints & Nerves – Greg Stover, D.O. (May 21)

Future Sessions:

June 18

July 16

August 20

September 17

October 15

November 19

Resident Earns Humanism and Excellence in Teaching Award



Jacob Deister, M.D., ('16) received the 2012 Arnold P. Gold Foundation Humanism and Excellence in Teaching Award with induction into the Gold Humanism Honor Society, Wright State Chapter. The award acknowledges Dr. Deister's "demonstration of commitment to teaching and compassionate treatment of patients and families, students, and colleagues."



New Location Opens on Wright State Campus

Wright State Orthopaedics and Sports Medicine opened a satellite patient office at the newly opened Wright State Physicians Medical Office Building on Wright State's campus (725 University Boulevard). Corey Ellis, M.D., moved his office to the new location and began seeing patients in July 2012, along with Drs. DiPaola, Herbenick, Laughlin, Lawless, Rubino, and Stover. We have received great feedback from patients on the new location's convenience and on the facilities themselves. Iva Staats, P.T., also began seeing referred physical therapy patients in our state-of-the-art physical therapy and athletic training facility. Dr. Laughlin and the department hold great appreciation for all the faculty and staff involved in coordinating, moving, and preparing the new office for its grand opening.

Department Faculty Appointed to Service Line Councils

With the changing health care environment, health systems are working toward clinical integration between their hospitals and area physicians to develop active and ongoing clinical initiatives that control costs and improve the quality of health care services. To that end, Premier Health has created various councils to evaluate its service lines, and has partnered with area physicians to lead these efforts. Our faculty are involved in both orthopaedic-related councils. Dr. Laughlin serves as chair of the Premier Health Orthopedic Institute Council with Dr. Lawless serving as a physician leader. Both Dr. Herbenick and Dr. Ellis serve as physician leaders on the Premier Health Sports Medicine Institute Council.

Wright State Orthopaedics Offers Physical Therapy at Wright State Physicians on the Campus of Wright State University



To better meet the needs of patients, Wright State Orthopaedics is now offering physical therapy services at the Wright State Physicians medical office building on the campus of Wright State University (725 University Blvd.).

The state-of-the-art facility is part of the Wright State Orthopaedics offices on the first floor of the Wright State Physicians building. The physical therapy services center includes a full range of modalities including cold laser, advanced therapeutic exercise equipment, isokinetic testing capacity, a traction unit, and various aerobic equipment. The facility also includes WSU athletic training student classrooms, academic faculty offices, and the varsity athletic training room.



Iva Staats, P.T., a physical therapist with more than 18 years of experience in musculoskeletal outpatient orthopaedics and sports medicine, is the head of the Wright State Orthopaedics physical therapy team.

Staats helps patients recover from surgery, injury, and disorders of the musculoskeletal system. She identifies a patient's problem and implements a plan of care to address limitations related to dysfunction and pain. This may include thermal modalities, manual therapy techniques, heat, cold, electricity,

or neuromuscular reeducation. All therapeutic interventions incorporate a strong exercise and educational component.

“All musculoskeletal injuries have a mechanical source,” Staats said. “A physical therapist’s job is to undo the problem from a mechanical perspective.”

Staats has a strong background in manual therapy, a specialized form of physical therapy delivered with the hands instead of a device or machine. Staats uses multiple techniques to put directed pressure on muscle and other soft tissues or mobilize a joint to decrease pain and restore function.

The in-house physical therapy service also provides continuity of care. Physicians from Wright State Orthopaedics see patients at the Wright State Physicians location. Staats can talk to them face-to-face about a patient’s physical therapy treatment. “When your physician is right around the corner, you get a much more team-oriented and integrated approach to their care,” she said.

The physical therapy services ultimately will grow to include additional physical therapists, physical therapy assistants, certified athletic trainers, and administrative staff.

—Heather Maurer



Wright State Orthopaedics Expands Sports Medicine Service

This past year Wright State Orthopaedics added Centerville High School to its list of partners in sports medicine. Our sports medicine staff keeps busy covering sporting events and providing orthopaedic and primary care services to several area teams. In addition, the expanding Concussion Clinic is preparing for a busy fall.

School

Wright State University
 University of Dayton
 Miami University-Middletown
 Fairborn High School
 Beavercreek High School
 Springboro High School
 Middletown Madison
 Centerville High School

Team Physician

Dr. Lawless/Dr. Ellis
 Dr. Herbenick/Dr. Rubino
 Dr. Rubino
 Dr. Lawless
 Dr. Ellis
 Dr. Rubino
 Dr. DiPaola
 Dr. Herbenick

2012 Department News

Michael A. Herbenick, M.D. ('05), serves as an orthopaedic consultant for Centerville High School Athletics. He was also appointed vice chair of Miami Valley Hospital's Department of Orthopaedic Surgery and serves as a physician leader on the Premier Health Sports Medicine Institute Council.

Mark Ciota, M.D. ('95), CEO for Mayo Clinic Health System Albert Lea, Minnesota, was additionally appointed as CEO for Mayo Clinic in Austin, Minnesota.

Matthew DiPaola, M.D., was named to the Arthritis Foundation 2013 Southern Ohio Board of Advisors. In 2012, Dr. DiPaola spent time at the Mayo Clinic in Rochester, Minnesota, under the Mid-America Orthopaedic Traveling Fellowship, studying advanced elbow surgical techniques.

Brett LaFleur, M.D. ('14), was nominated as resident member of the ACGME Institutional Review Committee (June 2012).

Our faculty and alumni were featured in Miami Valley Hospital's online orthopaedic services videos. The interviews included Michael Herbenick, M.D. ('05), on sports medicine and minimally invasive shoulder surgery; Nicolas Grisoni, M.D. ('07), on the anatomy of neck and spine, spine surgery, and the Spine Center; Richard Laughlin, M.D., on foot and ankle surgery; Matthew Lawless, M.D. ('01), on hip and knee surgery, and the goals of treatment for knee pain; and Michael Prayson, M.D., on trauma surgery.

Richard T. Laughlin, M.D., was appointed to and served on the Wright State University Boonshoft School of Medicine's Dean Search Committee, and serves as chair of the Premier Health Orthopaedic Institute Council. Also during the year, he was interviewed for a *Dayton Daily News* article, "Summer sandals don't have to mean painful feet." He also participated in an article for the *Columbus Dispatch*, "Female orthopedic surgeons are still disproportionately outnumbered by males."

Matthew W. Lawless, M.D. ('01), participated in Miami Valley Hospital's Health Care Consortium on June 5, 2012. He shared information about the benefits of the Knee Express Program to area physicians, PCPs, and residents. He also serves as physician leader on the Premier Health Orthopaedic Institute Council.

Our orthopaedic sports medicine physicians and specialists were featured at the Premier Health Third Annual Sports Medicine Symposium on September 18, 2012.

Joe Rubino, M.D. ('05), presented on athletic shoulder injuries; Michael Herbenick, M.D. ('05), on athletic injuries of the elbow and wrist; Matthew W. Lawless, M.D. ('01), on athletic injuries of the knee in the adult population; and Michael D. Barnett, M.D., on foot and ankle injuries in the athlete.

Mark Stouffer, M.D. ('13), and Indresh Venkatarayappa, M.D. ('13), were named to the new Patient Safety and Quality Improvement Council, reporting to Wright State's Graduate Medical Education Committee. This council is an important component of achieving compliance with the new ACGME institutional accreditation requirements.

William Vitello, M.D. ('03), hand surgeon, currently practices with Chicago Orthopaedics & Sports Medicine, S.C., in Chicago.



During the 2012 AAOS meeting in California, Dr. Laughlin took a quick flight down to Santa Barbara to visit with Dr. Pompe and Minnie.

Visiting Professors

Charles A. Rockwood, M.D.
Professor & Chairman Emeritus
Orthopaedic Department, Director, Shoulder Services
University of Texas Health Science Center at San Antonio
May 3, 2012
"Natural History of Rotator Cuff Tears"
"Proximal Humerus Fractures"
"Industry Relations with Orthopaedic Surgeons"

Robert Bourne, M.D.
Professor, University of Western Ontario
September 25-26, 2012
"TKA in the Young, Active Osteoarthritic Patient: Is This a Realistic Option?"
"Giving Something Back & the Role of Medical Missions"
"The Impact of Evidence-Based Medicine on Orthopaedic Surgery"

First Annual Orthopaedic Symposium Held



Gregory L. Stover, D.O. served as director for the first annual orthopaedic symposium held October 26, 2012, Current Concepts in Musculoskeletal Care, held at the Nutter Center. Speakers from around the Miami Valley provided training to over 30 attendees, who were able to earn 6.5 hours of *AMA PRA Category 1 CME Credits*. The American Osteopathic Association also approved the event for 6.5 hours of category 1-A credits.

James C. Binski, M.D.—Hip Problems from Womb to Tomb

Iva C. Staats, P.T.—The Non-Surgical Knee: A Case for Therapeutic Intervention

Stephen J. Pomeranz, M.D.—Traumatic Injury—An MRI Update: Knee, Foot, Ankle, Hip, Shoulder, and Wrist

Matthew W. Lawless, M.D.—Athletic Injuries of the Knee in the Adult Population

Phillip M. Porcelli, D.O.—Lumbar Disc Disease

R. Michael Johnson, M.D.—Wound Care Update

Matthew J. DiPaola, M.D.—Diagnosing Shoulder Pain: Is MRI Powerful or Pointless?

Jared A. Griffith, D.O., M.H.A., M.P.H.—Imaging Characteristics of Common and Less Common Spine Diseases

Ricardo M. Buenaventura, M.D.—Current Pain Management Topics

Richard T. Laughlin, M.D.—Achilles Tendinosis

Sanford W. Wolfe, D.O.—New Developments in Rheumatology

Corey J. Ellis, M.D.—Concussion Updates

Gregory L. Stover, D.O.—Problems from the Neck to the Fingertips

The Second Annual Current Concepts in Musculoskeletal Care Symposium will be held on Friday, October 25, 2013, in the Berry Rooms at the Nutter Center on the Wright State University campus. Plans include expanding CME credit opportunities to additional medical professional categories.

Weddings

Jennifer Delcamp & Joe Jerele
May 19, 2012

G. Ryan Rieser & Susan Britt
May 19, 2012

Births

Jacob Christopher Williams
June 28, 2011
Nathan & Melissa Williams

Everett Asher Cripe
January 23, 2012
Ben & Liz Cripe

Ava Whitney Dundon
January 24, 2012
John Dundon & Suzane Lelinda

Roshan Sunil Menon
Diya Sunil Menon
March 8, 2012
Sunil & Sajna Menon

Henry Philip DiPaola
June 3, 2012
Matthew & Krystene DiPaola

Willem Paul Sensiba
June 12, 2012
Paul & Branyan Sensiba

Leila Simone Lyons
September 27, 2012
Chris Lyons & Nikki Magnuson

Brooke Ellen LaFleur
November 21, 2012
Brett & Jayci LaFleur



The Plastic Surgery Division is continuing to develop with the help of department leadership and support of the outstanding clinical faculty.

We are all in the same boat when it comes to the Next Accreditation System and the Milestone Project. As much as we would like to be exempt from this process, it is truly inevitable for all of us. Our task should be less difficult than many residency programs with larger numbers, but the preparation and development of the process is pretty standard. For those who are not familiar, briefly the Next Accreditation System is the process of continuous residency accreditation evaluation by the ACGME, rather than the traditional site visit system. Operative logs and duty hours will be monitored by the ACGME and focused site visits will be ordered if violations occur. The Milestone Project is a specific set of competency-based evaluations (28 of them in the case of plastic surgery) that need to be completed by a faculty Clinical Competency Committee every six months for every resident. This is in addition to, not instead of, previous resident evaluations.

On a happier note, the alumni of our plastic surgery residency program continue to do well in practice. Dr. Todd Hicks is now the chief of Plastic Surgery for Miami Valley Hospital. Dr. Parviz Goshtashby is doing well in California and Dr. Ben Monson is serving our country at Nellis AFB in Las Vegas. We are especially happy to have Dr. Salim Mancho return to us from his Pediatric Craniofacial Surgery Fellowship at the Los Angeles Children's Hospital/University of Southern California Program under the

direction of Mark Urata. Dr. Colin Rymer will be doing a hand fellowship at Southern Illinois University, (Dr. Laughlin's and Dr. Johnson's stomping grounds), and Dr. Sunishka Wimalawansa is in the Hand Fellowship Match this year. We also matched Dr. Michelle Siefert from the University of Arizona to our program.

Our scholarship efforts have increased dramatically, and our foundation for the tissue-engineering lab in the main 2200 suite is now budgeted for long-term success. We continue to maintain the microsurgery-training lab and frequently utilize the anatomy lab in the bioscience center.

Our international service efforts continue to expand. Dr. Schmidt and the Legacy of Healing program continue their yearly efforts. Last year, Sunishka accompanied them to the Dominican Republic, and this year, Lindsay Abbott will travel with the group to the Honduras. Dr. Johnson has been appointed a co-chair of the Burn Reconstruction Division for Operation Smile, has continued efforts in Vietnam, and is establishing relationships in Oruro, Bolivia, for future service once the Vietnam efforts are completed. Dr. Rigano also continues his international service in Jamaica and Gabon.

We have developed new partnerships with Transforming Techniques to fill the aesthetic needs of our patients. The expertise of Amy Tobias and Cathy Murray are greatly appreciated. Also we realize the division could not function without the support of Nancy Bates, Amy Plummer, and Jennifer MacDonald. Their efforts during the transition to a new location, accreditation system, and partner have been simply outstanding. Hopefully, we will bring more positive developments as we continue through 2013.

—R. Michael Johnson, M.D.

Michael Johnson, M.D., Named Co-chair of Operation Smile Burns Program

Michael Johnson, M.D., associate professor of orthopaedic surgery at Wright State University Boonshoft School of Medicine, was chosen as co-chair of the Operation Smile Burns Program. In this role, Johnson will work to grow the program and contribute time, effort, and his expertise in plastic surgery and burn care to bring much-needed attention to individuals in developing, underserved areas world who suffer from correctable burn-related deformities.



Board certified in plastic surgery, Johnson is the plastic surgery residency program director at Wright State, where he also sees patients at Wright State Physicians in a large clinical practice. He earned his M.D. at the University of Cincinnati College of Medicine and completed a general surgery residency at Wright State and a plastic surgery residency at Southern Illinois University. He sees patients at Miami Valley Hospital in Dayton.

Johnson will work closely with co-chair Peter Rumbolo, M.D., associate director of the Burn Center at St. John's Mercy Medical Center in St. Louis, Mo. The Operation Smile Burns Mission team consists of approximately 30 credentialed medical professionals with burn experience, including surgeons, anesthesiologists, pediatric intensivists, and nurses, along with physical and occupational therapists.

"As a community-based medical school, we encourage faculty members to practice medicine in ways that benefit underserved populations," said Richard Laughlin, M.D., chair of the Department of Orthopaedic Surgery, Sports Medicine and Rehabilitation at Wright State. "Dr. Johnson is an exemplary member of our surgery team, and we are so pleased that burn patients in the developing world, through Operation Smile, will benefit from the skill and expertise Dr. Johnson developed here in Dayton."

Operation Smile is an international children's medical charity that heals children's smiles, forever changing their lives. Operation Smile provides reconstructive surgery for children born with facial deformities, such as cleft lip and cleft palate, through a mobilized force of medical professionals in more than 60 countries. Since 1982, Operation Smile has performed more than 2 million patient evaluations and over 200,000 free surgeries.

In 2010, Operation Smile launched the Burns Division to expand care to patients with severe burns. The Burns Division conducts medical missions exclusively to treat patients affected both functionally and psychologically by burn deformities. Operation Smile conducted an inaugural burn mission in Mumbai, India, in January 2010, where medical volunteers from six countries performed 69 procedures for 38 patients, giving them back their hope, mobility, and new lives.

—Heather Maurer

2012 Plastic Surgery Residents

Lindsay Abbott, M.D.
University of Kansas School of Medicine, Kansas City, Ks.

David Jerkins, M.D.
UT Medical School
Houston, Texas

Benjamin Monson, M.D. ('12)
Uniformed Services
University of Health Sciences
F. Edward Herbert School of Medicine
Bethesda, Md.

M. Colin Rymer, M.D.
West Virginia University School of Medicine
Morgantown, W.Va.

Sunishka Wimalawansa, M.D.
Baylor College of Medicine
Houston, Texas

2012 General/Plastic Surgery Residents

Francisco Sanchez-Navarro, M.D.
University of Iowa Roy J. & Lucille A. Carver College of Medicine
Iowa City, Iowa

Maximilian Malotky, M.D.
University of Arkansas for Medical Sciences College of Medicine
Little Rock, Ark.

Visiting Professors

Anne Taylor, M.D.
Associate Professor
Department of Plastic Surgery
The Ohio State University
January 17, 2012
"Breast Asymmetry: Just Say No to Scars on the Breast"

Stefan Mark Szczerba, M.D.
Cosmetic Plastic Surgeon
Chicago, Ill.
April 17, 2012
"Reconstructive Plastics: Effects of Patient Outcomes with Regenerative Medicine"



Graduation

**Sycamore Creek Country Club
June 16, 2012**

The Division of Plastic Surgery enjoyed a graduation celebration in honor of 2012 graduate, Benjamin Monson, M.D., who reported for duty to Nellis AFB in Las Vegas following graduation. Dr. Monson earned a bachelor's in biochemistry at the University of Utah in Salt Lake City, and his doctorate from the Uniformed Services University of the Health Sciences in Bethesda, Maryland. He started as a Wright State University Boonshoft School of Medicine and Wright-Patterson AFB general surgery resident before completing his plastic surgery residency training with our Division of Plastic Surgery.

Division of Plastic Surgery Awards

Outstanding Teaching Award—Robert G. Chami, M.D., F.A.C.S.

Academic Achievement Award—M. Colin Rymer, M.D.

Gregory E. Maupin Chief's Award for Outstanding Contributions to Plastic Surgery—William C. Rigano, M.D.

Dr. Mancho Joins Plastic Surgery Division



Salim N. Mancho, D.O., assistant professor, joined the Plastic Surgery Division in August of 2012, after completing a pediatric craniofacial surgery fellowship at the University of Southern California and Los Angeles Children's Hospital, under the direction of Mark Urata.

Dr. Mancho received his doctorate in osteopathic medicine from Ohio University, and completed his plastic surgery residency training in our department in 2011. He also com-

pleted a general surgery residency at the Medical University of Ohio through the University of Toledo Medical Center (formerly the Medical College of Ohio). Dr. Mancho is board certified in general surgery and board eligible in plastic and reconstructive surgery.

In his clinical practice, Dr. Mancho sees patients at the Wright State Orthopaedics office at Miami Valley Hospital. He serves as medical director for the plastic surgery clinic and provides pediatric plastic surgery emergency care at Children's Medical Center. He also provides aesthetic services at Transforming Techniques.

Scholarly Activity

Publications—Peer Reviewed

- Anloague P, Spees V, Smith J, Herbenick M, Rubino L. Glenohumeral range of motion and lower extremity flexibility in collegiate-level baseball players. *Sports Health*. 2012;4(1):25-30.
- Bates B, Wimalawansa SM, Monson B, Rymer MC, Shapiro R, Johnson RM. A simple cost-effective method of microsurgical simulation training: the turkey wing model.
- Abstract published in the Ohio Valley Society of Plastic Surgeons annual meeting program, Cleveland, OH, 2012.
- Plastic Recon Surg. Accepted 2012.
- Dalstrom DJ, Nelles DB, Patel V, Goswami T, Markert RJ, Prayson MJ. The protective effect of locking screw placement on nonlocking screw extraction torque in an osteoporotic supracondylar femur fracture model.
- Presented at the Resident Research Symposium, Department of Orthopaedic Surgery, Sports Medicine and Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, May 2012.
- J Orthop Trauma*. 2012 Sept;26(9):523-527. Epub 2012 Mar 16. doi: 10.1097/BOT.0b013e318238c086.
- Dulaney-Cripe E, Hadaway SJ, Bauman RD, Trame C, Smith CA, Sillaman B, Laughlin RT. A continuous infusion fascia iliaca compartment block in hip fracture patients: A pilot study.
- J Clin Med Res*. 2012 Feb;4(1):45-8. Doi: 10.4021/jocmr724w. Epub 2012 Jan 17.
- Dulaney-Cripe E, Hadaway S, Smith C, LaFleur B, Rieser GR, Bauman R, Prayson MJ, Laughlin RT. A retrospective study of a comprehensive pain protocol using a continuous fascia iliaca compartment block. Poster presented at the 13th Annual DAGMEC Resident Research Forum, Dayton, OH, April 2012.
- Presented at the Orthopaedic Trauma Association Annual Meeting, Minneapolis, MN, October 2012.
- Poster presented at the Wright State University Boonshoft School of Medicine, Central Research Forum, Dayton, OH, November 2012.
- Dundon JM, Rymer MC, Johnson RM. Total patellar skin loss from cryotherapy after total knee arthroplasty. *J Arthroplasty*. 2013 Feb;28(2):376.e5-7. doi: 10.1016/j.arth.2012.05.024. Epub 2012 Jun 30.
- Gayton JC, Rubino LJ, Stouffer MH, Wang Q, Rich MM, Boivin GP. Rabbit supraspinatus motor endplates are unaffected by a rotator cuff tear.
- Paper 66 presented at the American Academy of Orthopaedic Surgery Annual Meeting, San Francisco, CA, February 2012.
- Presented at the Mid-America Orthopaedic Association Annual Meeting, Bonita Springs, FL, April 2012.
- J Orth Res*. 2013 Jan;31(1):99-104. Epub 2012 Jul 26.
- Peters PG, Herbenick MA, Anloague PA, Markert RN, Rubino LJ. Knee range of motion: reliability and agreement of 3 measurement methods. *Am J Orthop*. 2011 Dec;40(12):E249-E252.

- Peters PG, Laughlin RT, Markert RJ, Nelles DB, Randall KL, Prayson MJ. Timing of C-arm drape contamination. *Surg Infect (Larchmt)*. 2012 Apr;13(2):110-3. doi: 10.1089/sur.2011.054. Epub 2012 Mar 22.
- Picha BM, Konstantakos EK, Gordon DA. Incidence of bilateral scapholunate dissociation in symptomatic and asymptomatic wrists. *J Hand Surg Am*. 2012 Jun;37(6):1130-5. doi: 10.1016/j.jhsa.2012.03.020. Epub 2012 May 1.
- Prayson MJ—Participating Member. Hebert-Davids J, Laflamme GY, Rouleau D. HEALTH and FAITH trial investigators. Bias towards dementia: are hip fracture trials excluding too many patients? A systematic review. *Injury*. 2012 Dec;43(12):1978-84. Epub 2012 Sep 19.
- Prayson MJ—Participating Member. The Science of Variation Group. Diagnosis of elbow fracture patterns on radiographs; interobserver reliability and diagnostic accuracy. *Clin Orthop Relat Res*. 2013 Apr;471(4):1373-8. 10.1007/s11999-012-2742-4. Epub 2012 Dec 18.
- Prayson MJ—Participating Member. The Science of Variation Group. Interobserver reliability of computed tomography to diagnose scaphoid wrist fracture union. *J Hand Surg Am*. 2012 Feb;37(2):250-4.
- Prayson MJ—Participating Member. The Science of Variation Group. Training improves interobserver reliability for the diagnosis of scaphoid fracture displacement. *Clin Orthop Relat Res*. 2012 Jul;470(7):2029-34. Epub ahead of print.
- Prayson MJ—Participating Member. Zielinski SM, Viveiros H, Heerveld MJ, Swiontkowski MF, Bhandari M, Patka P, Van Lieshout EM, FAITH trial investigators. Central coordination as an alternative for local coordination in a multicenter randomized controlled trial: the FAITH trial experience. *Trials*. 2012 Jan 8;13:5.
- Shaw JM, Hunter SA, Gayton JC, Boivin GP, Prayson MJ. Repeated freeze-thaw cycles do not alter the biomechanical properties of fibular allograft bone. *Clin Orthop Relat Res*. 2012 Mar;470(3):937-43. Epub 2011 Aug 24.
- Richetti E, Cicotti M, DiPaola MJ, Ciccotti M, Williams G, Lazarus M. Outcomes of arthroscopic repair of panlabral tears of the glenohumeral joint.
- Presented at the American Academy of Orthopaedic Surgeons Annual Meeting, San Diego, CA, February 2011.
- Presented at the Arthroscopic Association of North America Annual Meeting, San Francisco, CA, April 2011.
- Am J Sports Med*. 2012 Nov; 40(11):2561-8.
- Rieser GR, Edwards K, Gould GC, Markert RJ, Goswami T, Rubino LJ. Distal-third clavicle fracture fixation: a biomechanical evaluation of fixation.
- Presented at the Resident Research Symposium, Department of Orthopaedic Surgery, Sports Medicine and Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, May 2012.
- J Shoulder Elbow Surg*. 2012 Nov 21. doi:p11: S1058-2746(12)00368-0. 10.1016/j.jse.2012.08.022. [Epub ahead of print]

Accepted for Publication

- Anloague P, Turri J, Flowers S, Heller B, Herbenick MA. The effect of patellar taping on patellar position as determined by fluoroscopy in patients with patellofemoral pain syndrome. *J Applied Res*. Accepted 2012.
- Ingawale S, Johnson RM. A biomechanical evaluation of the mandible under cyclic compressive loads. *J Oral Maxillofacial Surg*. Accepted with revisions 2012.
- Roche C, Stroud N, Martin B, Steiler C, Flurin P, Wright T, Zuckerman J, DiPaola M. The impact of scapular notching on reverse shoulder glenoid fixation.
- Glenoid fixation. Presented at Miami Valley Hospital's Orthopaedic Resident Conference Basic Science Lecture, Dayton, OH, April 2012.
- Presented at the Exactech Clinical Evaluators Meeting, Asheville, NC, August 2012.
- J Shoulder Elbow Surg*. Accepted 2012.

Submitted for Publication

- Boivin GP, Egleide EY, Schultze AK, Chodavarapu H, Hunter SA, Elased EM. Biomechanical properties of db/db diabetic mouse achilles tendon. *Comp Med*. Submitted 2012.
- DiPaola MJ, Abzug J, Pizzitullo P, Herman M. Incidence of unscheduled cast changes in a pediatric population: etiology and implications. *J Ped Orthop*. Submitted 2012.
- Froehle AW, Laughlin RT, Teel DD, Sherwood RJ, Duren DL. Excess body weight loss is associated with non-pathological gait patterns in women four to five years after bariatric surgery. *Obesity Surg*. Submitted 2012.
- Iossi M, Konstantakos E, Duren D, Sherwood R, Hedgecorth K, Teel D, MacGuire M, Laughlin RT. Musculoskeletal function following bariatric surgery.
- Duren DL, Sherwood RJ, Laughlin RT, Teel D. Long-term musculoskeletal functional outcomes following bariatric surgery. Department of Community Health Stimulus Grant, Wright State University Boonshoft School of Medicine. 2011–2012.
- Obesity*. Submitted October 2012.
- Luckenbill D, Iossi MF, George Whitney AM, Goswami T, Crosby LA. Biomechanical evaluation of recurrent dissociation of modular humeral prostheses. *J Materials Sci: Materials in Med*. Submitted May 2012.
- Sensiba P, Venkatarayappa I, DeHoff C, Manternach A, Laughlin RT, Binski J, Prayson MP. A survey of patient opinion regarding the use of reprocessed external fixator components. *Indian J Orthop*. Submitted May 2012.
- Vourazeris JD, Lawless MW, Markert R, Burleson AP, Stills HF Jr, Boivin GP. Semitendinosus muscle fatty infiltration following tendon resection in rabbits.
- J Orthop Res*. Submitted 2012.
- Presented at the Ohio Orthopaedic Society Annual Meeting, Columbus, OH, May 2012.

Publications – Non-Peer-Reviewed

- DiPaola MJ. AAOS Now and OrthoSupersite are two apps that provide orthopedic musculoskeletal news and information. *Orthopaedics Today*. March 2, 2012. <http://tinyurl.com/76ty8js>.
- DiPaola MJ. Clinical orthopedic exam (CORE) app is a great resource for Internists and specialists alike. *Orthopaedics Today*. March 19, 2012. <http://tinyurl.com/8yphj39>.
- DiPaola MJ. Google set to revolutionize health and medicine with Google glasses? *iMedicalApps*. March 1, 2012. <http://tinyurl.com/845hwxc>.
- DiPaola MJ. Knee decide: educating patients on knee surgery with a medical app. *iMedicalApps*. Aug 31, 2011. www.imedicalapps.com/2011/08/knee-unhinged/.
- DiPaola MJ. Shoulderdocus: Shoulderdocus app fluidly conveys a heavy dose of shoulder information. *iMedicalApps*. December 21, 2011. <http://tinyurl.com/7vwbkfk>.
- DiPaola MJ. SLIC app is a great, free tool for surgeons who evaluate cervical spine injuries. *iMedicalApps*. March 26, 2012. <http://tinyurl.com/c52p8bb>.
- DiPaola MJ. Surgichart: Surgichart allows logging and sharing of case files in a HIPAA compliant manner. *iMedicalApps*. Sep 16, 2011. <http://tinyurl.com/7kdjm3q>.
- DiPaola MJ, Franko O. Apps make it easier to communicate orthopedic concepts. *Orthopaedics Today*. June 2012. <http://tinyurl.com/bp65vel>.
- DiPaola MJ, Franko O. Apps provide a primer on splinting techniques, but could be improved. *Orthopaedics Today*, October 2012. <http://tinyurl.com/c4ctp47>.
- DiPaola MJ, Franko O. Check out the must have app for your new holiday tablet. *Orthopaedics Today*. December 2012. <http://tinyurl.com/ceehd6h>.
- DiPaola MJ, Franko O. Classification apps allow users to carry knowledge in the user pockets. *Orthopaedics Today*. 2012 Apr; 37-8.
- DiPaola MJ, Franko O. Implant manufacturers move into the mobile app market. *Orthopaedics Today*. August 2012. <http://tinyurl.com/8eduucc>.
- DiPaola MJ, Franko O. Orthopedic news apps bring orthopedic news to your fingertips. *Orthopaedics Today*. February 2012.
- Franko O, DiPaola MJ. 'Feed' apps enhance browsing efficiency for favorite journals. *Orthopaedics Today*. July 2012. <http://tinyurl.com/c6f7kky>.
- Franko O, DiPaola MJ. Apps can aid the orthopedic surgeons in keeping abreast of the literature. *Orthopaedics Today*. 2012 May. <http://tinyurl.com/6qa4xhf>.
- Franko O, DiPaola MJ. Physical exam apps help students refine skills, others aid surgeons in the clinic. *Orthopaedics Today*. March 2012. www.orthosupersite.com/view.aspx?rid=95446.
- Franko O, DiPaola MJ. Mobile apps help preparation for board review and in training tests. *Orthopaedics Today*. November 2012. <http://tinyurl.com/cf6840>.
- Franko O, DiPaola MJ. Orthopedic journals and publishers transition to iPad format. *Orthopaedics Today*. September 2012. <http://tinyurl.com/bqdz5wk>.
- Laughlin RT. Featured in newspaper article: Female orthopedic surgeons are still disproportionately outnumbered by males. *Columbus Dispatch*. September 2012.
- Laughlin RT. Featured in newspaper article: Summer sandals don't have to mean painful feet. *Dayton Daily News*. July 2012.
- Laughlin RT. Reconstruction for deformity of the forefoot due to rheumatoid arthritis. Foot and ankle case study published by Miami Valley Hospital, April 2012.
- Lawless MW, Carolyn Meyer. Finding new hope. Featured on MVH Website Communications. Fall 2012. <http://www.miamivalleyhospital.org/mvhdefault.aspx?id=69418>.
- Rubino LJ. Charles Jobe: A healing touch, new patient tower impacts patient recovery. Featured on MVH Website Communications. April 2012. <http://www.miamivalleyhospital.org/mvhdefault.aspx?id=57374>.
- Rubino LJ. Fractures in the young athlete. *Athlete's Update* (MVH Premier Health Partners). Winter 2012.
- Rubino LJ. Thurman Legg: mending knees. *ProHealth* (MVH publication). 2012, 32(2). Featured on MVH Website Communications. Fall 2012. <http://www.miamivalleyhospital.org/mvhdefault.aspx?id=67457>.
- Barnett MD. Foot and ankle injuries. Presented at the Miami Valley Hospital Annual Sports Medicine Symposium, David H. Ponitz Sinclair Center, Dayton, OH, September 2012.
- Binski JC. Lecturer: Advanced techniques in limb reconstruction and trauma using the Taylor Spatial Frame. Presented at the Japan Association for Orthopedic Reconstruction and Ilizarov Method, Tokyo, Japan, September 2012.
- Binski JC. Lecturer: Circular external fixation versus intramedullary nailing for severe option tibial fractures: argument pro-external fixation. Presented at the Limb Lengthening and Reconstruction Society/ Orthopaedic Trauma Association Joint Session of the American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, CA, February 2012.
- Binski JC. Lecturer: Complex open tibial fracture case presentation. Presented at Trauma Expert Interactions: Advanced Case Complications Symposium, New York, NY, November-December 2012.
- Binski JC. Lecturer: Docking site pearls • External fixation in the upper extremity • Top ten reasons the Taylor Spatial Frame is the best tool for deformity correction. Moderator: Tumors Free papers. Presented at ASAMI and BR 7th International Congress, Thessaloniki, Greece, June 2012.
- Binski JC. Lecturer: Hip problems from womb to tomb. Presented at Current Concepts in Musculoskeletal Care, Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Berry Room/Nutter Center, Dayton, OH, October 2012.
- Binski JC. Lecturer: Past president's symposium case presentations. Instructor: Essentials of limb deformity course. Presented at the Limb Lengthening & Reconstruction Society 22nd Annual Scientific Meeting, Cincinnati, OH, July 2012.
- Binski JC. Lecturer: Posttraumatic deformities of the foot • Treatment for open fracture • Use of fixator controlled by computer in the upper extremity • Multiapical deformity correction. Commentator/Free Paper Session: New possibilities of treatment with external fixation. Presented at the 2nd World Congress on External Fixation & Bone Reconstruction Societies & 11th Brazilian Congress of ASAMI, Praia do Forte, Bahia, Brazil, September 2012.
- Binski JC. Lecturer: What the young-uns are missing. Presented at the Limb Lengthening and Reconstruction Society Specialty Day, American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, CA, February 2012.
- Binski JC. Lecturer/Lab Instructor: Tibial fracture technique and software • Postoperative care Equinus frames. Presented at Essentials of Taylor Spatial Frame, Las Vegas, NV, March 2012.
- DiPaola MJ. Case presentation: failed reverse total shoulder. Presented at the Ohio Shoulder Society Annual Meeting, Cleveland, OH, January 2011; Columbus, OH, January 2012.
- DiPaola MJ. Clarifying shoulder arthritis. Webinar with the Great Lakes Chapter of the Arthritis Foundation, August 2012.
- DiPaola MJ. Common shoulder conditions in the adult population. Presented at the Atrium Medical Center Patient Education Symposium, Franklin, OH, November 2011.
- DiPaola MJ. Diagnosing shoulder pain: is MRI powerful or pointless? Presented at Current Concepts in Musculoskeletal Care, Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Berry Room/Nutter Center, Dayton, OH, October 2012.
- DiPaola MJ. Is your purse too heavy? How daily activities may be affecting your orthopedic health. Presented at the Atrium Medical Center Women's health Symposium, Union Center Marriott, West Chester, OH, May 2012.
- DiPaola MJ. Labral injuries: diagnosis and community center. Presented at the Atrium Medical Center's Sports Medicine Symposium, Franklin, OH, May 2011.
- DiPaola MJ. Panel Speaker. Health and medical services: successful transitioning from employee to entrepreneur. Presented at the Entrepreneurship@Cornell Conference, Ithaca, NY, April 2011.
- DiPaola MJ. Shoulder arthroplasty. Presented at Miami Valley Hospital's Orthopaedic Resident Conference Basic Science Lecture, Dayton, OH, October 2011.
- Dulaney-Cripe E, Prayson MJ. A comparative analysis of stability of initial management of humerus fractures. —DAGMEC Grant. 2010–2012.
- Poster presented at the 13th Annual DAGMEC Resident Research Forum, Dayton, OH, April 26, 2012.
- Poster presented at the Wright State University Boonshoft School of Medicine, Central Research Forum, November 2012.

- Ellis CJ. Concussion update.
—Presented at Current Concepts in Musculoskeletal Care, Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Berry Room/Nutter Center, Dayton, OH, October 2012.
—Presented at University of Dayton to DPT 3rd yr students, Dayton, OH, November 2012.
- Ellis CJ. Concussions in sports.
—Presented at the Beavercreek High School In-Service Day, Beavercreek, OH, October 2012.
—Sport Therapy Elective, presented at the University of Dayton Doctor of Physical Therapy Program, Dayton, OH, November 2012.
- Ellis CJ. Monthly WSU Family Medicine Musculoskeletal Workshop. Presented at Ollie Davis Medical Center, Dayton, OH, throughout 2012.
- Ellis CJ. Rehabbing with a concussion. Presented at the Atrium Medical Center Sports Symposium, Franklin, OH, June 2012.
- Gayton JC, Noyes MP, Nelles D, Gould G, Prayson MJ. Comparison of pre-contoured locking and non-locking plates in midshaft clavicle fractures: a biomechanical study. Poster presented at the AAOS Annual Meeting, San Francisco, CA, February 2012.
- Herbenick MA. Athletic injuries of the elbow and wrist. Presented at the Miami Valley Sports Medicine Symposium Meeting, Dayton, OH, September 2012.
- Herbenick MA. Failed reverse total shoulder arthroplasty. Presented at the Ohio Shoulder and Elbow Meeting, Columbus, OH, January 2012.
- Herbenick MA. Surgical treatment of the shoulder.
—Presented at the Wright State University Athletic Training Class, Dayton, OH; September 2011, October 2012.
—Presented at the University of Dayton DPT Program, Dayton, OH, September 2012.
- Herbenick MA. Treatment of massive rotator cuff tear. Presented at the Miami Valley Hospital Sports Medicine Grand Rounds, Dayton, OH, April 2012.
- Herbenick MA. Upper extremity orthopaedic surgery. Presented at the University of Dayton Doctorate Physical Therapy Program, Dayton, OH, September 2011.
- Johnson RM. Approach to the HIV-positive patient facing surgery. Presented at the American Academy of Physician Assistants Annual meeting, Toronto, Canada, May 2012.
- Johnson RM. Breast reconstruction update. Presented at Good Samaritan Hospital, Dayton, OH, February 2012.
- Johnson RM. Full thickness frostbite to the patellar surface in an elite athlete: resurfacing using a staged tubed pedicle flap: burn etiologies. Presented at the 11th Quadrennial Congress of the International Society of Burn Injuries, Seattle, WA, August 2002.
- Johnson RM. The skinny on fat: Breast surgery in massive weight loss patients. Presented at the Ohio Valley Society of Plastic Surgeons Annual Meeting, Cleveland, OH, May 2012.
- Johnson RM. Wound care update. Presented at Current Concepts in Musculoskeletal Care, Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Berry Room/Nutter Center, Dayton, OH, October 2012.
- Laughlin RT. Sports medicine foot and ankle. Presented at the Athletic Training Program, Department of Health, Physical Education, and Recreation, Wright State University College of Education and Human Services, Dayton, OH, January 2011, January 2012, September 2012.
- Lawless MW. Athletic knee injuries in the adult athlete. Presented at Sinclair Community College, Sports Symposium, Dayton, OH, September 2012.
- Lawless MW. Athletic knee injuries in the adult population. Presented at Current Concepts in Musculoskeletal Care, Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Berry Room/Nutter Center, Dayton, OH, October 2012.
- Lawless MW. Common Injuries. Presented at Miami Valley Hospital, Sports Medicine Grand Rounds, MVH Sports, Dayton, OH, February 23, 2012.
- Lawless MW. Knee anatomy. Presented at the Sports Medicine Grand Rounds, MVH Sports, Miami Valley Hospital, Dayton, OH, October 2011.
- Lawless MW. Knee express clinic. Presented at the Spine and Joint Health Care Consortium, Miami Valley Hospital South, Dayton, OH, June 2012.
- Lawless MW. Knee surgeries. Presented to Wright State University Boonshoft School of Medicine 3rd Year Athletic training students, Dayton, OH, February 2012.
- Markert RJ, Konstantakos E, Laughlin RT, Crosby L. Misrepresentation of research activity of orthopaedic applicants. Presented at the Graduation Research Symposium, Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, June 2011.
- Noyes M, Crosby L, Kleinhenz B, Markert RJ. Functional and radiographic long-term outcomes of hemiarthroplasty for proximal humerus fractures. Presented at the Resident Research Symposium, Department of Orthopaedic Surgery, Sports Medicine and Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, May 2012.
- Prayson MJ. EXOGEN bone healing system. Invited Lecturer. Presented at the Smith & Nephew Biologics & Spine Global Sales Meeting, Miami, FL, January 2012.
- Prayson MJ. Faculty. 17th Annual Comprehensive Fracture Course for Residents at the Orthopaedic Trauma Association 27th Annual Meeting, San Antonio, TX, October 2011.
- Prayson MJ. Lab Lead Instructor, Faculty. 18th Annual Comprehensive Fracture Course for Residents at the Orthopaedic Trauma Association 28th Annual Meeting, Minneapolis, MN, October 2012.
- Prayson MJ. Results of complex proximal femur fractures treated with locking proximal femur plates. Poster presented at the Orthopaedic Trauma Association 28th Annual Meeting, Minneapolis, MN, October 2012.
- Prayson MJ. Ultrasound and fracture healing. Invited Lecturer. Presented at the Smith & Nephew Educational Program, Cleveland, OH, May 2012.
- Ross MS, Markert RJ, Dipaolo Z, Kiger L, Laughlin RT. Characterization of the flexor digitorum tendon to the proximal phalanx in the correction of hammer toe deformity.
—Poster presented at the Wright State University Boonshoft School of Medicine 13th Annual Medical Student Research Symposium and the DAGMEC Resident Research Forum, Dayton, OH, April 2012. 2nd Place.
—Presented at the Ohio Orthopaedic Society 74th Annual Meeting, Dublin, OH, May 2012.
—Presented at the Resident Research Symposium, Department of Orthopaedic Surgery, Sports Medicine and Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, May 2012.
—e-Poster presented at the American Orthopaedic Foot & Ankle Society Annual Summer Meeting, San Diego, CA, June 2012.
—Presented at the Wright State University Boonshoft School of Medicine Central Research Forum, Dayton, OH, November 2012.
- Rubino LJ. Athletic shoulder injuries. Presented at the Annual Miami Valley Hospital Sports Medicine Symposium, David H. Ponitz Sinclair Center, Dayton, OH, September 2012.
- Rubino LJ. Lower extremity symposium. Presented at University of Dayton DPT program, Dayton, OH, September 2012.
- Rubino LJ. Medical management of common upper extremity fractures/injuries. Presented at the Upper Extremity Rehabilitation Symposium, Miami Valley Hospital South, Dayton, OH, November 2012.
- Rubino LJ. Meniscal repair with early weight bearing. Presented at the Atrium Medical Center Sports Symposium, Franklin, OH, June 2012.
- Sensiba P, Venkatarayappa I, DeHoff C, Manternach A, Laughlin RT, Binski J, Prayson MJ. Reuse of external fixation components—patient survey. Presented at the Graduation Research Symposium, Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, June 2011.
- Stouffer MH, Gayton JC, Venkatarayappa I, George A, Prayson MJ. Assessment of periprosthetic fracture risk with short and long cephalomedullary nails—a biomechanical study. Presented at the Ohio Orthopaedic Society Annual Meeting, Columbus, OH, May 2012.

Awards and Honors

- DiPaola MJ. Lead Writer. Ortho Apps column. Orthopedics Today.
- DiPaola MJ. Writer. iMedical Apps Blog site.
- Ellis CJ. Reviewer. AMSSM Physician Writer. www.beginnertriathlete.com.
- Prayson MJ. Consultant and EXOGEN Clinical Think Tank Panelist. Bioventus Biologics & Spine Division.
- Krishnamurthy AB. Teaching Excellence Award. Presented at the Orthopaedic Surgery Residency Program Graduation Ceremony, Department of Orthopaedic Surgery, Sports Medicine and Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, June 2012.
- Laughlin RT. Reviewer. American Journal of Sports Medicine.
- Prayson MJ. Reviewer. Journal of Trauma: Injury, Infection and Critical Care.
- Prayson MJ. Reviewer. Acta Scandinavia Orthopaedica.
- Prayson MJ. Reviewer. Journal of Orthopaedic Trauma.

Grants and Research

- Binski JC. Investigator: OP-1 Study.
- Boivin GP, Dulaney-Cripe E, Rubino LJ. Adipose tissue-derived stem cells to improve tendon-to-bone repair. AOSSM Young Investigator Grant. 2011-2013.
- Boivin GP, Knoll P. Mass spectrometry analysis of diabetic tendons. DAGMEC Resident Research & Fellow Support. 2012.
- Boivin GP, Laughlin RT. Exercise effect on diabetic (db/db) mice achilles tendons. American Orthopaedic Foot and Ankle Society Research Grant. 2011-2012.
- DiPaola MJ. Evaluating electronic tablets in outcomes based orthopedic research. Dayton Area Graduate Medical Education Community (DAGMEC) Seed Grant. 2012.
- Prayson MJ. Aviation and motor vehicle safety: examining the role of the surgeon mindset. Science of Variation Group (SVG). 2012.
- Prayson MJ. Classification and treatment (operative vs. non-operative) of scapular fractures on three-dimensional movies. Science of Variation Group (SVG). 2012.
- Prayson MJ. Comparing alternative irrigating solutions and pressures in patients with open fractures. Fluid Lavage of Open Wounds (FLOW): A Multi-Center, Blinded, Factorial Trial. Funded by the United States Department of Defense, Orthopaedic Trauma Research Program. Sponsor: Greenville Hospital System, Greenville, South Carolina. Ongoing study with 2012 award.
- Prayson MJ. Fixation using alternative implants for the treatment of hip fractures (FAITH). Multi-site clinical trial. Funded by the Canadian Institutes of Health Research (CIHR). Grantee: University of Minnesota. Ongoing study with 2012 award.
- Prayson MJ. Operative vs. non-operative management of displaced proximal humeral fractures. Science of Variation Group (SVG). 2012.
- Prayson MJ. Reliability of diagnosis of scapholunate dissociation (SLD) associated with intraarticular fractures of the distal radius on radiographs. Science of Variation Group (SVG). 2012.
- Prayson MJ, Laughlin RT. Major extremity trauma research consortium (METRC). Multi-site clinical trial. Funded by the United States Department of Defense, Orthopaedic Trauma Research Program. Coordinating Center: Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland. POvIV Study.
- Ross MS, Laughlin RT. Growth factor elution reates from various commercial grade cements in differing morphologies. DAGMEC Grant. 2012.

UPCOMING EVENTS

ORTHOPAEDIC SURGERY

2013 Orthopaedic Surgery Graduation

Orthopaedic Surgery Residency Program
Dayton Racquet Club
Dayton, Ohio
June 22, 2013

Visiting Professor

Dayton Orthopaedic Society Meeting
Dayton Country Club
Fall 2013

2nd Annual Orthopaedic Symposium

Current Concepts in Musculoskeletal Care
Wright State Orthopaedic Surgery, Sports Medicine & Rehabilitation
Berry Room, Nutter Center, WSU
October 25, 2013

Department Holiday Party

Dayton Country Club
Dayton, Ohio
December 19, 2013

Orthopaedic Surgery Residency Interviews

Dayton, Ohio
January 3-4, 2014

Orthopaedic Trauma Fellowship

Match Day
March 11, 2014

Alumni Reception/AAOS

Meeting
March 14, 2014
New Orleans, Louisiana

Orthopaedic Surgery Residency

Match Day
March 21, 2014

PLASTIC SURGERY

Plastic Surgery Residency Interviews

Dayton, Ohio
December 2013 & January 2014

Plastic Surgery Residency

Match Day
March 21, 2014

PUBLIC EDUCATIONAL SESSIONS

Location: Wright State Physicians, 2nd Floor Classroom, 725 University Blvd, Dayton, OH 45435

Osteoporosis and Bone Health

Thomas Koroscil, M.D., Ph.D.
June 18, 2013, 7 p.m.

July 16, 2013, 7 p.m.

Matthew J. DiPaola, M.D.
August 20, 2013, 7 p.m.

September 17, 2013, 7 p.m.

October 15, 2013, 7 p.m.

Common Problems in the Adult Foot
November 21, 2013, 7 p.m.



Boonshoft
School of Medicine
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