Both the changing climate in medical education and economics in medicine have required careful examination of the way we deliver care to our orthopaedic patients. Over the past year, our department has confronted many issues related to these topics.

Starting in July, resident work hours will be further restricted. The new changes will predominately affect the interns as they will not be allowed to work shifts longer than 16 hours. The intern year has historically been a time when new physicians learned patient management in high volume settings, where much was learned through sheer repetition. Interns learned to be efficient by handling a high volume of patients. As the educational model has evolved into its present form, interns must learn more with less patient exposure and contact. The knowledge base required to pass board exams has increased, yet the patient contact has decreased. We must address these changes by making the educational time more efficient. We are developing the bioskills teaching lab with this in mind. This year we began offering weekly skills labs at the Dayton VA Medical Center rotating orthopaedic topics. This would not be possible without faculty and vendor support.

Our research programs have seen similar changes. Funding for Ph.D. support and lab equipment has been reduced as part of budget cuts, yet our research endeavors continue to grow. The residents and faculty in orthopaedics and plastic surgery continue to devise creative ideas through collaboration. Over the past year, we have begun a relationship with the engineering group at the University of Dayton to develop a tissue engineering research lab. This has been the project of R. Michael Johnson, M.D., chair of the plastic surgery division. The challenge to our faculty is to develop clinical pathways for our basic science research to get their ideas out of the lab and into clinical practice.

As our clinical practice grows in volume, we have seen reimbursements decrease, again challenging us to continue to efficiently provide a high level of care with the same number of staff members. Our group has continued to grow as we welcomed Gregory L. Stover, D.O., into our practice. Greg brings with him 20 years of experience running an independent practice, and he will provide valuable input as we transition to electronic medical records. By combining staffs and resources, we will gain efficiency and expertise through collaboration.

Overall, the past year has been challenging as economic times have necessitated many difficult budget decisions in both our educational programs and our clinical practice. Through careful examination, many creative ideas have emerged that will allow us to confront the challenging times and continue to pursue our goals.
Orthopaedic Surgery Residency Update

As a 2005 graduate of the Wright State University Boonshoft School of Medicine Orthopaedic Surgery Program, I am privileged and proud to have been asked to take on the role of residency program director. I take over the position at a time when our program has been unbelievably productive with regard to research and clinical activity. Once again our program is incredibly fortunate to have such great physicians to send off to the world to take care of people.

We graduated three residents this past June, each of whom has gone on to excellent post-graduation positions. Dr. Michael Iossi and Dr. Paul Peters both took foot and ankle fellowship positions at a couple of the most prestigious programs in the country. Mike is at Washington University in St. Louis and Paul is at Union Memorial Hospital in Baltimore. Dr. Ryan Finnan was asked to start a trauma readiness program organized through the U.S. Air Force, C-STARS, and is making great strides in creating this very impressive program. He is currently living in Cincinnati and working at The University Hospital as a trauma attending.

We will be graduating three residents this year, Dr. Kenny Edwards, Dr. Adam Hamilton, and Dr. Brad Picha. Kenny has accepted a spine fellowship at The Texas Back Institute in Dallas and Brad a spine fellowship at Ortho Indy Spine in Indianapolis. Although we are always proud of our residents getting great fellowship positions such as these, it is equally satisfying to see graduates enter clinical practice after residency without one. Adam has taken a private practice position as a general orthopaedist in Minnesota, and we feel that he is very well equipped to do so.

We were fortunate in the NRMP match this past year and are proud to have matched with Dr. John Dundon, Dr. Peter Knoll, Dr. G. Ryan Rieser, and Dr. Matthew Ross. We welcome these new residents to our family and know that the residency is set up for great success in the future.

We are once again proud that all of our graduated residents passed the Orthopaedic Board Examination this past year.

We have recently introduced a bioskills and simulation surgery program at the Dayton VA Medical Center to enhance the procedural skills of our residents. We are excited about the potential educational, clinical, and research applications the simulator provides the residency.

The residency program has had a very productive research year, as evidenced by the Scholarly Activity section (see page 8). We continue to strive to make a difference in the practice of orthopaedic surgery beyond our own walls.

As I look back at my time as a student and resident, and now as a faculty member here in Dayton, I am amazed at the growth our program has seen. While the program is no doubt indebted to its leadership for their vision, it is the staff, residents, and faculty that continue to make this a special place to train.

—Michael A. Herbenick, M.D.

2010 Graduation Symposia

The 5th annual scientific symposia were held in conjunction with our June 2010 graduation celebration. Dr. Jason H. Calhoun, professor and chair of The Ohio State University College of Medicine’s orthopaedic surgery department, served as our visiting professor.

Research Symposium, June 18, 2010

Jason H. Calhoun, M.D., F.A.C.S – History of military orthopaedic infections
Ryan P. Finnan, M.D. (Chief Resident) – Bone graft harvest using the Reamer-Irrigator-Aspirator: a mechanical comparison of three starting points in cadaveric femurs
Paul G. Peters, M.D. (Chief Resident) – Time of exposure to C-arm drape contamination
Michael F. Iossi, M.D. (Chief Resident) – Musculoskeletal function following bariatric surgery
J. Adam Hamilton, M.D. (R-4) – Scapula fractures following reversed shoulder arthroplasty: classification and treatment
Matthew P. Noyes, M.D. (R-3) – Functional and radiographic long-term outcomes of hemiarthroplasty for proximal humerus fractures
Mark H. Stouffer, M.D. (R-2) – Five-year radiographic and clinical follow-up of all cemented total shoulder arthroplasty
Michael J. Coffey, M.D. (R-2) – Treatment of glenohumeral sepsis with a commercially produced antibiotic-impregnated cement spacer
Brad M. Picha, M.D. (R-4) – The effect of locking plugs on the strength of a locking compression plate construct in an osteoporotic model
Emmanuel K. Konstantakos, M.D. (R-3) – Healing of iatrogenic skeletal muscle wounds is affected by incision device
Kelly Estes (WSUBSOM Medical Student) – Biomechanics of ACL injury

Alyssa George (WSUBSOM Medical Student) – Analytical evaluation of humerii failure
Isaac Mabe (WSUBSOM Medical Student) – Cervical spinal endplate design and development
Ashkan Golshani (WSUBSOM Medical Student) – Total ankle replacements – new models

Graduation Symposium, June 19, 2010

Richard T. Laughlin, M.D. – Open and closing remarks

Jason H. Calhoun, M.D., F.A.C.S – Surgical site infections in orthopaedics
Case Presentations – Kenny B. Edwards, M.D. (R-4), J. Adam Hamilton, M.D. (R-4), Brad M. Picha, M.D. (R-4), Michael J. Anderson, M.D. (R-3), Benjamin P. Kleinhenz, M.D. (R-3), Christopher B. Lyons, M.D. (R-3), Indresh Venkatrayappa, M.D. (R-3)
Orthopaedic Trauma Update

The orthopaedic trauma service at Miami Valley Hospital remains busy and productive. There were 3,424 trauma admissions in 2010, an increase of 167 admissions from the previous year. Ninety-three percent of our trauma is through a blunt mechanism with falls and motor vehicle collisions accounting for the vast majority. September of 2010 was the busiest month ever on record with 342 trauma admissions.

Ten faculty members (both academic and clinical) contribute to the orthopaedic trauma coverage at the hospital. Additionally, the orthopaedic trauma fellow, three orthopaedic residents, Diane Kimpel, R.N., and an emergency medicine resident provide the daily coverage and support for this busy service.

Our newest clinical faculty participant in the orthopaedic trauma call schedule is Chad Weber, D.O., who recently joined Orthopedic Associates of Southwest Ohio.

The orthopaedic trauma fellowship remains strong with full accreditation through ACGME and strong support from Miami Valley Hospital. Last year’s graduate, Justin Sybesma, M.D., pursued his subspecialty interest in Kalamazoo, Mich., and serves two level I trauma centers in that community. Our current fellow, Dr. K. Sunil Menon, is pursuing a general orthopaedic surgery position in Coffeyville, Kan. Next year, Eric Verwiebe, M.D., will join the fellowship from William Beaumont Army Medical Center in El Paso, Texas. The match for the 2012-2013 fellowship position will be held on March 1, 2011.

We look forward to another busy year with ever-increasing volume.

37th Annual Graduation Ceremony

Dayton Country Club  ■  June 19, 2010

Ryan P. Finnan, M.D.
M.D. – Loyola University Stritch School of Medicine, Chicago
Active Duty – U.S. Air Force, Center for Sustaining Trauma & Readiness Skills (C-STARs), Cincinnati University Hospital Trauma Center, Cincinnati

Michael F. Iossi, M.D.
M.D. – University of Iowa Carver College of Medicine, Iowa City
Foot & Ankle Fellowship – Washington University, St. Louis

Paul G. Peters, M.D.
M.D. – Wayne State University School of Medicine, Detroit
Foot & Ankle Fellowship – Union Memorial Hospital, Baltimore

Justin T. Sybesma, M.D. – Orthopaedic Trauma Fellow
M.D. – Loma Linda University School of Medicine
Residency – Michigan State University College of Human Medicine, Grand Rapids
Orthopaedic Trauma Surgeon – Healthcare Midwest Physician Group, Kalamazoo

Department Awards

1st Place Basic Science – Indresh Venkatarayappa, M.D.

2nd Place Basic Science – Ryan P. Finnan, M.D.

Dr. Finnan’s Teaching Excellence Award – Michael J. Prayson, M.D.

Dr. Iossi’s Teaching Excellence Award – Richard T. Laughlin, M.D.

Dr. Peters’ Teaching Excellence Award – Timothy F. Peters, M.D.

Department Teaching Excellence Award – Steven M. Kleinhizen, M.D.

New Residents and Fellows

John M. Dundon, M.D.
Wright State University
Boonshoft School of Medicine, Dayton

Peter A. Knoll, M.D.
Case Western Reserve University
School of Medicine, Cleveland

G. Ryan Rieser, M.D.
Wake Forest University
School of Medicine, Winston-Salem
6-Year Research Track

Matthew S. Ross, M.D.
Keck School of Medicine of the University of Southern California, Los Angeles
6-Year Research Track

K. Sunil Menon, M.B.B.S./M.D.
Orthopaedic Trauma Fellow
M.B.B.S./M.D. – Thrissur Medical College, Thrissur, Kerala, India
Master of Surgery – Kasturba Medical College, Manipal, Karnataka, India
Internship/Residency – Medical Colleges of Thrissur and Calicut, Kerala, India
Adult Reconstruction Fellowship – Duke University Medical Center, Winston-Salem
Master of Public Health – University of Maryland School of Public Health, College Park
Tarun Goswami, D.Sc., is in the midst of major research efforts to redesign artificial joints for the whole musculoskeletal system. According to a feature in the Fall 2010 issue of Wright State University Boonshoft School of Medicine’s Vital Signs, “Goswami’s goal is to extend the life of artificial joints, make them more flexible, and reduce pain for patients.” Another goal of this research is to spur Ohio’s economic and job growth as these devices transition into the joint replacement industry. His team is researching artificial knee joint liners and hip joints, and has produced patented artificial ankle joints, total toe joints, braces, and splints. Richard T. Laughlin, M.D., orthopaedic surgery professor and chair, is pleased with these research efforts. “Collaborating with the orthopaedic surgery department has raised the level of understanding and scholarship in joint replacement.” Through an external grant with matching Wright State research funds, Dr. Goswami also established the Spine Research Group (SRG) to train future engineers, physicians, and researchers.

Dr. Konstantakos Featured in AAOS Now Article

The October 2010 issue of AAOS Now, the journal of the American Academy of Orthopaedic Surgeons, featured an interview with Manny Konstantakos, M.D., a fourth year orthopaedic surgery resident. Konstantakos successfully challenged himself and his fellow residents to a 100 percent participation in the Orthopaedic Political Action Committee. According to Konstantakos, “[the Orthopaedic PAC] is the only national political action committee in Washington, D.C., representing the interests of the orthopaedic community before Congress. If we as orthopaedic residents don’t support our field to provide our patients the utmost in health care, who will?”

Dr. Gayton’s Medical Mission to Kenya

In January 2010, Dr. Chris Gayton (R-2) traveled to Western Kenya with World Medical Mission, a division of Samaritan’s Purse. Dr. Gayton worked at Tenwek Hospital in Bomet under the direction of Dan Galat, M.D. Dr. Galat, who completed his orthopaedic surgery residency training at the Mayo Clinic, serves as the Surgical Implant Generation Network (SIGN) program manager at Tenwek. During his three-week trip Dr. Gayton assisted in over 30 surgeries, which were mostly trauma cases.
On January 12, 2010 Haiti was ravaged by a 7.0 magnitude earthquake about 25 miles west of Port-au-Prince, killing approximately 250,000 people, leaving nearly 1 million homeless. Captivating the world’s attention, Haiti desperately needed international relief efforts. Brad Picha, M.D. (R-5), and James T. Lehner, M.D., clinical associate professor and department alumnus, provided medical aid to the Haitian people through an affiliation with InterVol, a humanitarian organization out of Rochester, NY. They worked in Leogane—the earthquake’s epicenter where an estimated 80-90 percent of the buildings were either destroyed or left uninhabitable—at a facility associated with the University of Notre Dame’s Haiti Program. They left the states on February 26 and returned on March 6, and were joined by a plastic surgeon, a pediatrician, a geriatrician, a psychiatrist, nurses, and other support staff. Their “hospital” was a mobile tent consisting of an operating room, recovery room, OB suite, and ER. The first anniversary of the Haitian crisis highlighted the ongoing need for humanitarian aid and rebuilding of the nation’s infrastructure.

**Herbenick Named Residency Program Director**

Michael A. Herbenick, M.D., has added another milestone to his orthopaedic medical education career. In 2010, the department named Dr. Herbenick as the Orthopaedic Surgery Residency Program director. Dr. Herbenick graduated from our residency program in 2005 and joined the department as assistant professor in 2006, after completing a sports medicine fellowship at Kerlan-Jobe in Los Angeles. In 2009 he was certified by the American Board of Orthopaedic Surgeons in the orthopaedic sports medicine subspecialty. Dr. Herbenick focuses his practice on sports medicine and is team physician for the University of Dayton and consultant for Wright State Athletics.

**Neuroscience Institute Launched**

At a joint press conference in February 2010, dignitaries from both institutions announced the Wright State University & Premier Health Partners Neuroscience Institute with offices located at Wright State University as well as Miami Valley Hospital. Also announced was Miami Valley Hospital’s long-term investment in creating a Department of Neuroscience within the Boonshoft School of Medicine. A national department chair search is underway. According to the fall 2010 Vital Signs article, “the institute will be the critical centerpiece for conducting neuroscience research, and will promote ways to move the results of that research directly from the laboratory to the bedside, providing outstanding neurological clinical care to the community and creating a clinical and research enterprise that will be pivotal for the region’s economic recovery.”

**Births**

**Nathan Edward Williams, III**
April 20, 2010
9 pounds, 21 inches
Nathan and Melissa Williams

**Jacob Stouffer**
June 10, 2010
8 pounds, 20.5 inches
Mark and Melissa Stouffer

**Liam Robert Cripe**
December 30, 2010
7 pounds, 13 oz, 20.5 inches
Liz Dulaney-Cripe and Ben Cripe
The Wright State University Boonshoft School of Medicine Division of Plastic Surgery enters its fifth year of existence with renewed energy and significant change. While our previous residency program coordinator, Taunia Robinson, was recruited to the Grandview Medical Center Medical Education Department, Nancy Bates has done a terrific job in filling the big shoes Taunia left behind. Additionally, Andrea Hoffman, Ph.D., will be leaving to do a postdoctoral fellowship at the University of Dayton, and Ryan Shapiro, our clinical research coordinator, will be entering Wright State University Boonshoft School of Medicine next year after completing his master's degree.

We are in the process of transferring our lab equipment currently housed at Wright State's main campus to the Miami Valley Hospital campus. We are continuing our adipose stem cell culture work, and relocating the lab is essential to improving resident knowledge and experience in basic science and translational research.

Our faculty continues to be bolstered by our outstanding and active voluntary clinical faculty, in particular William C. Rigano, M.D., Steven P. Schmidt, M.D., Matthew J. Fox, M.D., Todd L. Hicks, M.D., and Robert G. Chami, M.D., Special mention should be given to our subspecialty faculty as well: Ronald E. Warwar, M.D., A. Reza Miremadi, D.D.S., M.D., Chris J. Danis, M.D., Rannie Alsamkari, M.D., and Peter S. Barre, M.D.

Our residents continue to be a diverse group with outstanding talents in and out of the operating room. Our former resident, Todd Hicks, is doing great in private practice and is ready to take the ABPS certifying exam. Parviz Goshtasby has moved to Newport Beach, California, to pursue private practice.

The last site visit went extremely well. Our Plastic Surgery Residency Program is now fully accredited with a five-year term. Our division will be undergoing a change in format from a coordinated 3+3 format to a six-year plastic surgery format with a slight curriculum change.

In summary, the recent changes to the plastic surgery division promise continued growth and success now as well as into the future.

—R. Michael Johnson, M.D.

Graduation

Dayton Country Club
June 19, 2010

The Division of Plastic Surgery enjoyed a graduation celebration in honor of 2010 graduate, Parvis H. Goshtasby, M.D., who has entered private practice in Newport Beach, California. Dr. Goshtasby earned a bachelor’s in biochemistry before receiving his M.D. from Tufts University School of Medicine in Boston. He spent three years in general surgery residency training at Baystate Medical Center in Springfield, Massachusetts, completing his training at York Hospital in York, Maine. He completed a hand surgery fellowship at the State University of New York at Buffalo before joining our division in 2007.

Division of Plastic Surgery Awards

Outstanding Teaching Award – William C. Rigano, M.D.

Academic Achievement Award – Salim N. Mancho, D.O.

Mentor Appreciation Award – R. Michael Johnson, M.D.

Gregory E. Maupin Chief’s Award for Outstanding Contributions to Plastic Surgery – Taunia Robinson, BS/BA

Births & Weddings

Kiersten Leigh
February 4, 2010
9 pounds, 11 ounces, 21 inches
Benjamin and Michelle Monson

M. Colin Rymer and Anna Halley Zivkovich
September 2010
Trinity Episcopal Church
Parkersburg, WV
Guest Speakers

January 19, 2010
William C. Rigano, M.D.
Advanced Breast & Cosmetic Surgery, Inc., Kettering
Clinical Assistant Professor, Division of Plastic Surgery
Wright State University Boonshoft School of Medicine, Dayton
Out of Africa, mission trip

April 20-21, 2010
Andrea Hoffmann, Ph.D.
Research Assistant Professor, Division of Plastic Surgery
Wright State University Boonshoft School of Medicine, Dayton
Stem cell research general overview and applied stem cell research in the division of plastic surgery, department of orthopaedic surgery, sports medicine and rehabilitation

Salim N. Mancho, D.O.
Plastic Surgery Resident, Division of Plastic Surgery
Wright State University Boonshoft School of Medicine, Dayton
Analysis of a wound matrix combination therapy with human adipose tissue-derived stem cells for advancement of bone fracture healing

Drew Nedderman, B.S.
Graduate Student, Division of Plastic Surgery
Wright State University Boonshoft School of Medicine, Dayton
Human adipose tissue-derived mesenchymal stem cells (ASC) as anti-cancer therapy for melanoma

Edwin G. Wilkins, M.D.
Professor, Division of Plastic Surgery
University of Michigan, Ann Arbor
• Outcomes research in post mastectomy
• Refinements in autogenous tissue breast reconstruction
• Prevention of postoperative venous thrombosis in plastic surgery patients

July 20, 2010
Christopher B. Gordon, M.D.
Clinical Assistant Professor, Division of Plastic Surgery
University of Cincinnati College of Medicine, Cincinnati
Facial cosmetic surgery and body contouring surgery

October 19, 2010
Jon Mendelsohn, M.D.
Medical Director
Advanced Cosmetic Surgery & Laser Center, Cincinnati
Rhinoplasty

Current Residents

Salim Mancho, M.D.
Ohio University College of Osteopathic Medicine, Columbus

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

Benjamin Monson, M.D.
Uniformed Services University of Health Sciences
F. Edward Herbert School of Medicine, Bethesda, MD

UPCOMING EVENTS

Match Day
March 17, 2011

Dayton Plastic Surgery Society Meeting
Dayton Country Club, April 19-20, 2011
Michael W. Neumeister, M.D.
Chair & Program Director, Division of Plastic Surgery
Southern Illinois University School of Medicine, Springfield

Division of Plastic Surgery Graduation
NCR Country Club, June 18, 2011

Dayton Plastic Surgery Society Meeting
Dayton Country Club, July 19, 2011
Frank Barone, M.D., F.A.C.S
Frank Barone, M.D. Plastic Surgery & evolv Medical Aesthetics
Clinical Professor of Surgery and Otolaryngology, Medical College of Ohio

American Society of Plastic Surgeons Annual Meeting
Denver, Colorado, September 23-27, 2011

Dayton Plastic Surgery Society Meeting
Dayton Country Club, October 18, 2011
David A. Billmire, M.D., F.A.C.S., F.A.A.P.
Associate Professor, Department of Pediatrics, University of Cincinnati
Director of Plastic Surgery, Cincinnati Children’s Hospital Medical Center

Plastic Surgery Resident Interviews
January 2012
Accepted for Publication


Markert RJ, Crites G, Richardson WS, Markert RJ, Goggans S. Psychometrics of an EBM test: three group validation. Submitted to Medical Education.


Presentations and Lectures

Barnett MD. Pedorotic management. Presented at the 2009 Prosthetic & Orthotics Course at the Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, February 2010.

Barnett MD. Lecture presented to MS-III orthopaedic surgery rotations at the Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, May and November 2010.

Barnett MD. Presented foot and ankle OTIE review at the Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, November 2010.

Barnett MD. Musculoskeletal/integument lecture. Presented at the Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, December 2010.

Binki JC. Taylor Spatial Frame description, components, indications, chronic, rings first, residual and total residual correction • Taylor Spatial Frame origin, corresponding point, reference fragments and components, indications, chronic, rings first, residual and total correction • Taylor Spatial Frame description, compo-


Binski JC. External fixation: complications are the rule not the exception • History of the external fixator • Corrections of post traumatic foot deformities • Cadaver with external fixation lab • Equinus contracture • Tibial lengthening • Femoral deformity correction. Presented at the Bochum Deformity Correction Course, Bochum, Germany, May 2010.

Binski JC. Advanced Taylor Spatial Frame planning: CORAgin method • Trauma application • Taylor Spatial Frame and distal femur deformity lab. Presented at the 12th Vienna Taylor Spatial Frame Course, Vienna, Austria, May 2010.

Binski JC. Middle tibia application • Foot application • Case discussions – foot focus • Billing and coding • Foot lab. Presented at Advanced Taylor Spatial Frame Course, New York, NY, June 2010.

Binski JC. New advances and changes to the Taylor Spatial Frame and software • Planning methods for the Taylor Spatial Frame • Taylor Spatial Frame for acute trauma • Managing nonunions with the Taylor Spatial Frame • Peri/intraarticular fractures • Applications of the Taylor Spatial Frame to the humerus • Application of the Taylor Spatial Frame to forearm/wrist • Overview of different foot applications for the Taylor Spatial Frame • Tips and tricks and preventing difficulties: trauma perspective • Cable bone transport workshop • Butt frame and software planning workshop. Presented at the 1st Taylor Spatial Frame Masters Course, Umzumbe, Kwazulu, South Africa, August 2010.

Binski JC. Bone transport with the Taylor Spatial Frame • Taylor Spatial Frame lab • Introduction to Taylor Spatial Frame software lab. Presented at the 20th Annual Baltimore Limb Deformity Post-Course, Baltimore, MD, September 2010.


Blackmore M, Goswami T. Using finite difference methods to develop the probability of neck injury. Presented at the Annual Technical Meeting of the Society of Engineering Science (SES), University of Iowa, Ames, IA, October 2010.


Herbenick MA. Orthopaedic surgery: experience and path of my profession. Presented as the University of Dayton Pre-med Program/Visiting Professor, Dayton, OH, July 2009.


Herbenick MA. Knee bracing: clinical indications and use in the young athletic population. Presented at the Orthotics and Prosthetics Symposium, Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, March 2010.

Herbenick MA. Lecture to the MS-III orthopaedic surgery rotations. Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, September 2010.


Hoffmann A. Stem cell research general overview and applied stem cell research in the Division of Plastic Surgery, Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation. Presented at the Dayton Plastic Surgery Society Meeting, Dayton, OH, April 2010.


Krishnamurthy AB. Knee arthroscopy simulation demonstration lecture at the SIMLEARN Meeting, New Orleans, LA, September 2010.

Laughlin RT. The correlation between orthopaedic and plastic surgery – Q&A. Presented at the Dayton Area Medical Education Associates Meeting, Dayton, OH, May 2010.

Laughlin RT. Lab table instructor. Distal radius fracture lab. Facilitated at the Orthopaedic Trauma Association Annual Meeting, Baltimore, MD, October 2010.

Lawless MW. Patella dislocations. Presented at the Sports Medicine Grand Rounds, Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, February 2010.


Lawless MW. ACL tears. ACL surgery. Presented at the 2010 Wright State Physicians, Sports Medicine Symposium, Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, July 2010.

Lawless MW. Joint health. What to expect from a hip or knee replacement. Presented at the Miami Valley Hospital Mall Walkers Program, Dayton, OH, August 2010.

Lawless MW. Lecture to the MS-III orthopaedic surgery rotations. Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, September 2010.

Lawless MW. ACL surgeries. Presented at the Sports Grand Rounds, Miami Valley Hospital, Dayton, OH, October 2010.
Prayson MJ. Effects of anthropometric geometry on the outcome of finite element models of vertebral endplates. Presented at the Annual Technical Meeting of the Society of Engineering Science (SES), University of Iowa, Ames, IA, October 2010.


Prayson MJ. Orthopaedic on call coverage for hospital emergency departments – opportunity or obligation? Invited Panel Participant (Topic – Trauma Transfers) at the Ohio Orthopaedic Society Annual Meeting, Columbus, OH, May 2010.


Prayson MJ. Faculty, 16th annual comprehensive fracture course for residents presented at the Orthopaedic Trauma Association Annual Meeting, Baltimore, MD, October 2010.


Rubino LJ. Sports medicine session/Moderator at the Mid-America Orthopaedic Association Annual Meeting, Amelia Island, FL, April 2010.

Rubino LJ. Management of rotator cuff tears. Presented at the Physical Therapy Seminar, Greene Memorial Hospital, Xenia, OH, June 2010.

Rubino LJ. Rotator cuff tears. Presented at the Shoulder Symposium, Greene Memorial Hospital, Xenia, OH, June 2010.

Rubino LJ. Cervical spine trauma. Presented at the Orthopaedic Sports Symposium, Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, July 2010.

Rubino LJ. Lecture to the MS III orthopaedic surgery rotations. Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, July 2010.


Whitney AG, Goswami T. Mechanical comparison of cadaver femurs implanted with various intramedullary nails. Presented at the Annual Technical Meeting of the Society of Engineering Science (SES), University of Iowa, Ames, IA, October 2010.

Posters

Chou RM, Nedderman DM, Goshtasby PH, Johnson RM, Hoffmann A. Differentiation of human adipose tissue-derived mesenchymal stem cells (ASCs) into hematopoietic lineages as anti-cancer therapy for melanoma. Poster presented at the Central Research Forum, Wright State University Boonshoft School of Medicine, Dayton, OH, March 2009.


Nedderman DM, Chou RM, Goshtasby PH, Johnson RM, Hoffmann A. Tissue specific effects of adipose stem cells (ASC) and melanoma tumor environment. Poster presented at the International Federation of Adipose Therapeutics & Science (IFATS) Annual Conference, Dallas, TX, October 2010.


Awards and Honors


Lawless MW. Excellence in Medical Education & Research – Junior Faculty, Academy of Medicine, Wright State University Boonshoft School of Medicine, Dayton, OH, 2010.

Markert RJ. Faculty Mentor Award, Wright State University Boonshoft School of Medicine, Dayton, OH, 2010.

Prayson MJ. Nominated and selected to the Physician Wall of Excellence, Miami Valley Hospital, Dayton, OH, 2010.

Grants and Research

Boivin GP. Mammutome biopsy study.

Boivin GP. Study of the action of venom protein on the proliferation of prostate cancer cells.

Boivin GP. Butler D. Functional tissue engineering of tendon repair.

Boivin GP. Doetschman T. Role of TGFβ1 in T-cell homeostasis and tolerance.

Boivin GP. Laughlin RT. Hunter S. Allograft assisted orthopaedic tissue repair.

Boivin GP. Mancho SN. Human adipose tissue-derived stem cell revitalization of nonviable tendon grafts by mechanical paddle blending.

Dulaney-Cripe EM. A comparative analysis of stability of initial management of humerus fractures.


Duren DL. Sherwood RJ. Genetic architecture of the human craniofacial complex.

Duren DL. Sherwood RJ. Genetic architecture of the human dentognathic complex.


Duren DL. Genetic and other influences on pediatric skeletal health.

Duren DL. Siervogel RM, Towne B. Genetic, somatic and morbid influences on pediatric skeletal health.

Goswami T. Cervical injury, risk assessment and new device design.

Goswami T. Gas turbine engine material life support.

Goswami T. Turbine engine component design.

Goswami T. Turbine engine retirement for cause (RFC) component implementation: phase I.

Hoffmann A. Human adipose tissue-derived stem cell revitalization of nonviable tendon grafts.

Hoffmann A. Integra Life Science.

Markert RJ. IPA Services: VAMC.

Prayson MJ. DAMEC Grant.

Prayson MJ. Fluid lavage of open wounds (FLOW): a multi-center, blinded, factorial trial comparing alternative irrigating solutions and pressures in patients with open fractures.
Faculty Named UD Flyer Team Physicians

Earlier this year, Michael A. Herbenick, M.D., and L. Joseph Rubino, III, M.D., were named team physicians for the University of Dayton Flyers athletics department. Dr. Herbenick, a UD alumni, and Dr. Rubino have also been involved with UD’s Doctorate of Physical Therapy program.