

Joint Ventures



Boonshoft
School of Medicine
WRIGHT STATE UNIVERSITY

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Message from the Chair

As I look back over the last two years, a common theme developed in the activities occupying my time as chairman—change.

I have come to realize the key to this job is anticipating and responding to change positively. Change brings about opportunity, yet it can be a source of stress and anxiety. We in health care see this in all aspects of our work, from patient care to hospital, state, and national administration. How we anticipate and respond to change will determine the success of our medical practice, as well as our department as a whole.

We have nearly completed the residency program expansion to four residents per year, with two research residents. The rotations are now in three-month blocks, and we are moving to a model that will allow residents to rotate on most of the services as junior-level residents and then return as senior-level residents. Returning to a service brings added responsibilities, including supervising/teaching the junior resident, which seems to enhance the learning atmosphere. We have had great support from our full-time and clinical faculty through this expansion, and fortunately, there is enough clinical material to support this service model.

Clinical teaching challenges will come in maximizing the residents' efficiency, as their work hours could potentially be reduced again. Anticipating this, we have started a federally funded arthroscopy teaching lab at the Dayton VA Medical Center (see page 6). The lab is staffed, with a mid-level provider developing an educational curriculum, which will allow the residents to practice on models with functioning equipment and improve their arthroscopy skills. Michael A. Herbenick, M.D., and our newest faculty, Matthew J. Di Paola, M.D.—both with expertise in shoulder surgery—are developing this project. Teaching through simulation and virtual reality will become a bigger part of residency training as we will be required to show and evaluate surgical skill competence.

The funding for residency training has changed as well. As many of you know, the orthopaedist-industry relationship has come under intense scrutiny over the past few years. The result has negatively affected our ability to acquire funding from private industry—particularly local vendors who supply much of the equipment we use in our daily practice. In the past we have used this money to fund local visiting professors (including the activities sponsored by the Dayton Orthopaedic Society), resident attendance at national courses and meetings, and much of the basic science research we have done in the mechanical testing lab.

This funding must now be obtained through grants requiring formal applications and proposals. The money, while still available, is much more competitive to obtain and requires much more advance planning. We no longer have the luxury of planning for a visiting speaker a few months in advance and sponsoring the event with money from a local vendor. The most dramatic consequence will be seen in our ability to send our residents to courses that enhance their education and surgical skills, as well as in funding their research projects. This will necessitate more aggressive and organized fundraising activities for the Dayton Orthopaedic Resident Education Fund, which is our main source of funding for these activities.

As you may have noticed, the name and logo of the medical school's clinical practice have changed. Originally named University Medical Services Association (UMSA), the practice now operates as Wright State Physicians, Incorporated. The name change more closely identifies our relationship with the university and supports efforts to make medical practice plan members a more cohesive group. This change will become more evident as we move to electronic medical records and more cohesive/strategic clinical sites.

This past October, we were pleased to add Matthew J. Di Paola, M.D., to our group (see page 5). Matt comes to us after completing his residency at Thomas Jefferson University in

Message from the Chair

(cont. from previous page)

Philadelphia and his shoulder and elbow surgery fellowship at the Hospital for Joint Diseases with Joseph Zuckerman, M.D., the 2009-10 American Academy of Orthopaedic Surgeons president. Matt has hit the ground running by taking over the shoulder service at the VA for two days a week and beginning his practice at the Atrium Medical Center and Miami Valley Hospital. He has already shown a keen interest in resident teaching and will contribute to the simulation lab through teaching and research. His shoulder joint replacement training and expertise have been a welcome addition, as our shoulder surgery clinical practice has steadily increased over the past 10 years.

The Department of Orthopaedic Surgery, Sports Medicine, and Rehabilitation has merged with the Division of Plastic Surgery headed by R. Michael Johnson, M.D. (see page 5). Mike joined our department this past July for several reasons, and we are happy to have him. We have several common interests that make grouping our surgical specialties mutually beneficial. Mike has always been an important part of orthopaedic resident education, and the closer association of our practices will only enhance this relationship. We also have common research interests, and pooling resources should make this enterprise more cost-effective and efficient. We welcome Mike and his staff to our department and look

forward to further developing our mutual interests in the future.

Our research activities continue to grow, and we now have four Ph.D. faculty with joint appointments in our department. Dana L. Duren, Ph.D., holds an appointment in community health and works at the Lifespan Health Research Center. Her interests are in gait/human motion and the effects of arthritis/aging on gait. She has been successful in obtaining grant funding in genetics of arthritis and also will be working on a new skeletal growth study that will capitalize on the large database in the Fels Study Group, focusing on human development and aging.

Tarun Goswami, Ph.D., successfully obtained tenure in the Department of Biomedical, Industrial, and Human Factors Engineering and helps direct our mechanical testing lab (see page 2 below). He supervises several graduate students and biomechanical testing that is so important for our residents' research projects.

Ronald J. Markert, Ph.D., holds a joint appointment in the Department of Internal Medicine and provides statistical analysis for our projects. His input as an experienced scientific manuscript author and reviewer into our study design and analysis has greatly improved our success rate in publishing the work from our labs.

With the addition of the Division of Plastic Surgery, we have started collaborative projects with Andrea Hoffmann, Ph.D., whose interests include stem cell identification. She recently purchased a flow cytometer, which allows identification and analysis of stem cells, with the goal of developing tissue engineering models in the areas of bone and soft tissue production.

Finally, we are also fortunate to have Gregory P. Boivin, D.V.M., providing research support as the medical school's director of laboratory animal resources.

Our sustained growth would not be possible without the support of our department staff. Our business director, Mike Griffis, manages our academic and clinical practice finances and has been an invaluable asset in navigating through these rough economic times. Peggy Baldwin continues to manage the educational program of the residents and has successfully taken on the same responsibilities with our orthopaedic trauma fellowship. This multi-faceted cooperation has enabled us to continue to grow our academic interests and manage the daily changes we encounter. Anticipating change and capitalizing on its subsequent opportunities seems to be the one constant challenge I have encountered in the last two years. How we anticipate and respond to change will determine the success of our medical practice and the department as a whole.

Department Establishes Orthopaedic Biomechanics Lab



Established at Miami Valley Hospital in 2007, the Orthopaedic Biomechanics Lab houses a servo pneumatic EnduraTec bi-axial testing machine, among other research equipment. With a range of load cells, the machine is capable of simulating ending and torsion on axial tension and/or compression loads. Several custom-designed jigs are available, enabling the machine to grip different

sample types. The biomechanical evaluation of cadaver bone constructs with different devices is conducted on a routine basis involving the clavicle, humerus, femur, and other bones, (including synthetic). Other research includes design of new devices, wear rate prediction modeling of liners, and roughness analyses.

Directed by Associate Professor Tarun Goswami, Ph.D., the lab has generated over two dozen presentations and four high-impact journal publications since its inauguration. The facility is used by both orthopaedic surgery residents and biomedical engineering graduate students.

Department Hosts ARCOS Steering Committee

Residency coordinator Peggy Baldwin hosted the Association of Residency Coordinators in Orthopaedic Surgery (ARCOS) Steering Committee fall plenary meeting in October 2009. The 10-person committee traveled to Dayton to organize the association's upcoming annual meeting held in conjunction with the 2010 AAOS meeting in New Orleans.

This group provides orthopaedic residency and fellowship coordinators the opportunity to educate members on both the established and current trends of orthopaedic education, as well as focus on the challenges of maintaining residency and fellowship programs.

2009 Graduation

Dayton Country Club ■ June 20, 2009



Ross A. Schumer, M.D.
M.D. – Jefferson Medical College, Thomas Jefferson University
Orthopaedic Surgeon – Air Force Academy Hospital, Colorado Springs

Paul R. Sensiba, M.D.
M.D. – The Ohio State University College of Medicine
Sports Medicine Fellowship – Allegheny General Hospital Human Motion Center, Pittsburgh

Karl F. Siebuhr, M.D.
M.D. – Wright State University Boonshoft School of Medicine
Orthopaedic Surgeon – Basset Healthcare, Cooperstown

David J. Dalstrom, M.D. – Orthopaedic Trauma Fellow
M.D. – The Ohio State University College of Medicine
Foot & Ankle Fellowship – Harborview Medical Center, University of Washington, Seattle

Michael J. Coffey, M.D. – Research Fellow
M.D. – Creighton University School of Medicine
Orthopaedic Surgery Residency Program – Wright State University Boonshoft School of Medicine



Department Awards

1st Place Basic Science – Ross A. Schumer, M.D.

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

Dr. Schumer's Mentor Award – Lynn A. Crosby, M.D.

Dr. Sensiba's Mentor Award – Michael A. Herbenick, M.D.

Dr. Siebuhr's Mentor Award – James C. Binski, M.D.

Teaching Excellence – Michael J. Prayson, M.D.

New Residents & Fellows



Jennifer Delcamp, M.D.
 Loma Linda University School of Medicine



Elizabeth Dulaney-Cripe, M.D.
 University of Cincinnati College of Medicine



Brett LeFleur, M.D.
 Oregon Health & Science University School of Medicine



David Nelles, M.D.
 St. Louis University School of Medicine



Justin Sybesma, M.D.
M.D. – Loma Linda University School of Medicine
 Orthopaedic Residency – Michigan State University College of Human Medicine

Faculty Featured in Dayton Daily News

In a July 9, 2009 Dayton Daily News "Insight 2009: Health Care" article, **Dennis M. Brown, M.D.**, and **Richard T. Laughlin, M.D.**, discussed increasing trends in joint replacements and fractures. Dr. Brown indicated there were "about 250,000 total hip replacements and 600,000 knee replacements in the U.S.," and those numbers are expected to nearly triple by 2020. Both Dr. Brown and Dr. Laughlin attributed the increase to longer lifespans. Newer technology, using materials such as ceramic, titanium, and tantalum, has "increased the longevity of artificial joints to as much as 25 years." The article discussed how the economy is affecting joint replacement decisions. Dr. Brown shared, "more people are making choices for their care based on what it costs them out-of-pocket."

Residency ABOS Board Results

Our graduates continue to pass their American Board of Orthopaedic Surgery (ABOS) exams.

2009 Results

Part I

Ross A. Schumer, M.D.
Paul R. Sensiba, M.D.
Karl F. Siebuhr, M.D.

Part II

Mathew T. Gorman, M.D.
Martin Janout, M.D.

Board Certified

Michael J. Barnett, Jr., M.D.

CAQ – Sports Medicine

Michael A. Herbenick, M.D.

Names in the News

Residency Coordinator **Peggy Baldwin** secured a \$4,500 residency/general education grant from the American Orthopaedic Association's OMeGA Medical Grant Association to be used for the June 2010 graduate research symposium. Ms. Baldwin was recently named to the Association of Residency Coordinators in Orthopaedic Surgery (ARCOS) Steering Committee and was nominated for the ACGME's GME Program Coordinator Excellence Award.

The department congratulates **Michael J. Barnett, Jr., M.D.**, who was board certified by the American Board of Orthopaedic Surgery earlier this year. In 2008 we celebrated with **Michael A. Herbenick, M.D.**, and **Joe Rubino, M.D.**, for receiving their ABOS board certified status. **Dr. Herbenick** was awarded his Certificate of Added Qualification (CAQ) in Orthopaedic Sports Medicine in November 2009.

In mid-2009, the American College of Laboratory Animal Medicine Foundation named **Gregory P. Boivin, D.V.M.**, as foundation chair. He will continue his role as the foundation's scientific director.

In Miami Valley Hospital's 2009 Resident Research contest, **Michael J. Coffey, M.D.**, won first place for "Treatment of Glenohumeral Sepsis with a Commercially Produced Antibiotic-Impregnated Antibiotic Spacer." **Paul G. Peters, M.D.**, earned second place for "Time of Exposure to C-arm Drape Contamination," and **Michael Iossi, M.D.**, received third place for "Musculoskeletal Function Following Bariatric Surgery."

Dana L. Duren, Ph.D., received Wright State University's President's Award for Excellence: Early Career Achievement in September. This award "recognizes teaching, scholarship, and service during the first four years of a junior faculty member's initial appointment."

Ryan P. Finnan, M.D., received the Dallas B. Phemister, M.D., Physician in Training Award at the 2009 Mid-America Orthopaedic Association annual meeting for his research with **Michael J. Prayson, M.D.**, on "Use of the Reamer-Irrigator-Aspirator for Bone Graft Harvest." Dr. Finnan was also nominated to the AOA-OREF Resident Leadership Forum.

Tarun Goswami, Ph.D., earned tenure in the College of Engineering and Computer Science Department of Biomedical, Industrial, and Human Factors Engineering. Dr. Goswami holds a joint appointment in our department and directs the Orthopaedic Biomechanics Lab (see page 2), which is an integral part of our resident research projects.

Nicolas E. Grisoni, M.D., returned to Dayton to join James T. Lehner, M.D. in the practice of adult spine surgery. Dr. Grisoni completed his residency with us in 2007 and then completed an AO Spine Fellowship at The Spine Education and Research Institute in Denver with Dr. Michael Janssen. He practiced with this group for two years prior to his return to Dayton. Dr. Grisoni will be a welcome addition to the spine service at Miami Valley Hospital.

Michael A. Herbenick, M.D., received the First Place 2008 Resident Writer's Award for "Effects of Cyclooxygenase 2 Inhibitor on Fracture Healing in a Rat Model," announced in the May 2009 issue of the American Journal of Orthopedics. Dr. Herbenick was featured in Miami Valley Hospital's spring issue of *ProHealth*.

In spring 2009, **R. Michael Johnson, M.D.**, was honored on Miami Valley Hospital's Wall of Excellence for his commitment to providing high-quality care to patients and for his advocacy for the Burn Center program and staff.

Richard T. Laughlin, M.D., and **Michael J. Prayson, M.D.**, were both promoted to professor in July. Dr. Laughlin joined our department as assistant professor in 1994 and was promoted to associate professor in 1998, while Dr. Prayson arrived in 2004 as associate professor.

Ronald Markert, Ph.D., was elected to the Faculty Development Committee of the Wright State University Boonshoft School of Medicine through June 2011.

New Faces



James C. Binski, M.D.

Dr. Binski merged his private practice with our group in December 2008 and has been providing external fixation training to our residents for many years now as an internationally renowned expert in the Ilizarov method and Taylor Spatial Frames. Dr. Binski received his M.D. from Loyola University in Chicago and completed his internship year and a year of general surgery at Harkness Community Hospital in San Francisco. After serving in the U.S. Army, Dr. Binski completed his orthopaedic surgery residency training at Jacksonville Hospital Education Program and the College of Medicine of the University of Florida. Dr. Binski completed a two-month fellowship at the Ilizarov Center in Lecco, Italy, and completed the Taylor Spatial Frame Training Course. Associated with the residency program since 1983, Dr. Binski serves as clinical professor.



Matthew J. Di Paola, M.D.

In October 2009, Matthew J. Di Paola, M.D., joined our department as an upper extremity surgeon working in our Atrium Medical Center office, as well as at the Dayton VA Medical Center. Dr. Di Paola earned his M.D. with honors in research from Cornell University Medical College in New York City. He completed his orthopaedic surgery residency training at Thomas Jefferson University prior to a reconstructive shoulder and elbow fellowship at the New York University Hospital for Joint Diseases with Joseph Zuckerman, M.D., the 2009-2010 AAOS president. Dr. Di Paola is active in research and has been published in many peer-reviewed journals, including the Journal of Bone and Joint Surgery, the American Journal of Orthopaedics, and Spine.



R. Michael Johnson, M.D.

This past July, the Department of Orthopaedic Surgery, Sports Medicine and Rehabilitation merged with the Division of Plastic Surgery, under the direction of R. Michael Johnson, M.D. Dr. Johnson, an associate professor, has been investing in our orthopaedic residents for many years as the PGY-1 plastics rotation attending. After receiving his M.D. from the University of Cincinnati College of Medicine, he completed his general surgery residency training at Wright State University Boonshoft School of Medicine. He returned to the Department of Surgery after completing a plastic and reconstructive surgery fellowship at Southern University School of Medicine. We look forward to the Division of Plastic Surgery's growth under Dr. Johnson's guidance.

Visiting Professors

Jeffery E. Johnson, M.D.

Associate Professor
Orthopaedic Foot & Ankle Fellowship Director
Washington University School of Medicine
October 28-29, 2008

- *Management of Ankle Fractures in the Diabetic Patient*
- *Reconstruction of the Adult Acquired Flatfoot*

Mark Miller, M.D.

S. Ward Casscells Professor of Orthopaedic Surgery
Sports Medicine Division Head
University of Virginia Orthopaedics
June 19-20, 2009

- *Shoulder Arthroscopy – Alphabet Soup*
- *ACL-PCL A-Cross Knee*

Craig S. Roberts, M.D.

Professor & Residency Program Director
Department of Orthopaedic Surgery
University of Louisville School of Medicine
March 24-25, 2009

- *Operative Treatments of Scapula Fractures*
- *Antibiotic Cement Nailing of the Femur and Tibia*

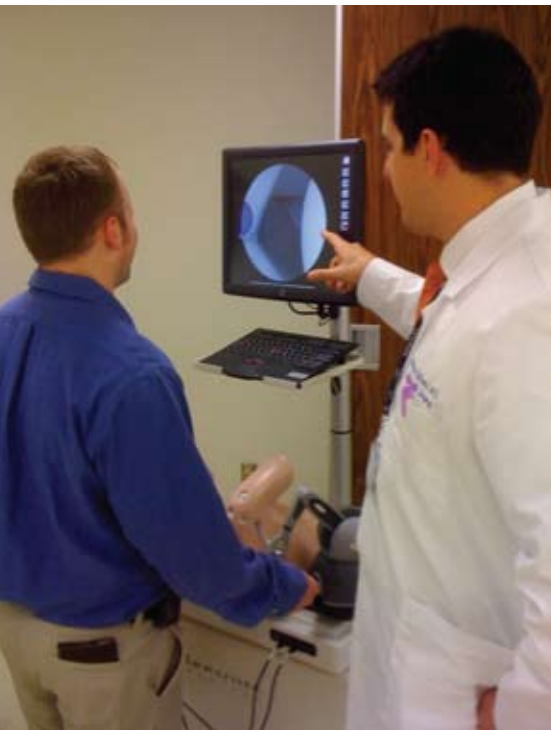
K. Donald Shelbourne, M.D.

Sports Medicine Fellowship Director
Shelbourne Knee Center
Associate Clinical Professor
Indiana University School of Medicine
November 3-4, 2009

- *Return to Sports after ACL Reconstruction and Subsequent Injury Rates*
- *Treatment Algorithm for Patellar Dislocation Malalignment*

Virtual Reality Arthroscopy Training: The Future is Here

By Matthew J. Di Paola, M.D.



For years, pilots have trained on simulators in order to reproduce real-life complex decision-making in the cockpit.

The rationale is this: put them through a realistic series of dangerous situations in an environment in which passengers are not at risk, repeat on a regular basis, and you will produce a safer airline industry. The model seems to work well. Pilot-initiated human

error is a relatively low-frequency event, considering the thousands of flights that traverse the skies daily. Why not do the same with surgeons? After all, both professions demand mastery of complex manual and information-processing skills that directly impact human safety. Some training institutions are doing just that. And our department, in conjunction with the Dayton VA Medical Center, is one of the lucky few in the country with full-time access to a virtual reality surgical simulator for resident training.

While most surgeons typically embrace new technology, surgical teaching programs have been slow to adopt virtual reality simulation training into their programs—and for good reason. Creating a realistic, cost-effective simulator of actual use to the surgeon is no easy task. It is only in the last decade or so that complex three-dimensional imaging has become mainstream. And the field of haptics—technology associated with converting virtual reality into tactile sensation—is only in its infancy, but necessary to create the realistic manual feedback of surgery. Hence, until now, most aspects of hands-on surgical training have been performed in the operating room and, to a lesser degree, the cadaver lab. Virtual reality simulators aim to change that paradigm and usher surgical education into the digital age.

The Dayton VA Medical Center has invested significant resources to become a leader in surgical simulation training. The campus laboratory houses about 10 different simulators that aid in training physicians to perform procedures such as intubation, colonoscopy, bowel surgery, and laparoscopy. We recently began using the virtual reality arthroscopy simulator, which reproduces knee and shoulder arthroscopic procedures with

life-like models integrated into a computer interface. Haptic technology provides tactile feedback to the surgeon, and the on-screen simulation provides realistic exercises for the surgeon to perform. Multiple training modules exist for various procedure types and learning levels. And each trainee has the ability—much like a video gamer—to keep track of his or her scores over time.

Arthroscopy is very difficult to teach without hands-on experience. Even the most skilled arthroscopists will tell you that learning how to translate three-dimensional anatomy and movements into two-dimensional feedback is a skill requiring significant time to master and is not at all intuitive. The arthroscopy simulator provides us with another tool to help tomorrow's surgeons over that hurdle.

Initial feedback from residents and staff has been positive. There is still, however, a long way to go before “video game” surgery completely replaces the real thing for residents. Most likely, we will see it as a complementary adjunct to the trainee's surgical experience in the future. We are currently in the process of designing and implementing a study measuring the effectiveness of virtual reality arthroscopy for our orthopaedic resident training. Resident physicians will compare standard OR arthroscopy training with simulator training to better understand its role in their education. Through study and personal feedback, we are developing a training protocol to set a standard for future arthroscopic training. Virtual reality training holds promise for the trainee of the future, and our department is helping lead the way into this new realm.

AAOS Media Briefing Features Department Study

Richard T. Laughlin, M.D., served on a media briefing panel—Obesity: A Musculoskeletal Nightmare—at the February 2009 AAOS meeting in Las Vegas. This briefing featured several new obesity-related joint replacement studies, including “Musculoskeletal Function Following Bariatric Surgery,” a cooperative venture by Dr. Laughlin, Dr. Michael Iossi (PGY-5), and Dr. Manny Konstantakos (PGY-3); Dr. Dana Duren and Dr. Richard Sherwood of the LifeSpan Health Research Center; and Dr. Donovan Teel, a bariatric

surgeon at Miami Valley Hospital and clinical assistant professor in the Department of Surgery.

The study followed 50 female gastric bypass surgery patients aged 20-74, post-operatively tracking their musculoskeletal and physical changes using the Timed-Get-Up-and-Go (TGUG) and SF-36 score system. Overall, patients experienced significant weight loss and improved musculoskeletal function after gastric bypass surgery, with a mean 2.4-second TGUG score improvement.

Tony Ortiz Athletic Training Scholarship Established

In a surprise announcement during the 2009 Alumni Weekend, the Wright State Athletic Training Program honored Tony Ortiz with the newly-established Tony Ortiz Athletic Training Scholarship, celebrating his 25 years in athletic training at Wright State. The scholarship will be awarded annually to a Wright State athletic training student.

As of December 2009, the fund had nearly reached \$10,000—almost halfway to its \$20,000 endowment goal. You can join us in supporting the scholarship by mailing your checks made **payable to WSU Foundation, Inc.**, noting “Tony Ortiz Athletic Training Scholarship (551129)” on the memo line, to:

ATTN: Tracey McKellar
WSU Foundation, Inc.
3640 Col Glenn Hwy
Dayton, OH 45435-0001

Dayton Orthopedic Medical Fund Contributions

The department appreciates all those who made tax-deductible contributions between June 2008 and December 2009 to the Dayton Orthopedic Medical Fund—a fund established to assist in training and educating our residents.

Christopher G. Anderson, M.D.
Bledsoe Bracing Systems/Rick Sawyer
Gerard A. Dehner, M.D.
Don D. Delcamp, M.D.
GlaxoSmithKline/Czarnowski Display Service, Inc./Tom Ferring
Nicolas E. Grisoni, M.D.
Hand and Reconstructive Surgeons, Inc.
Health Point/Trevor JK Wall
Holzer Clinic/J.T. Holland
Brian K. Hutchinson, M.D.
Martin Janout, M.D.
Glenn T. Johnson, II, M.D.
Johnson & Johnson/Ortho McNeil-Janssen Pharma, Inc.
David M. Kaehr, M.D.
Steve Kleinhenz, M.D.
Robert F. Malarkey, M.D.
Miami Valley Hospital/Medical Education
Mid-America Orthopaedic Association
OREF/JBJS
Orthopaedic Center for Spinal & Pediatric Care
Sanofi Aventis/Laura Fazio
Smith & Nephew
Synthes

Births

Jack Anders and Jude Franco Hamilton

September 13, 2008
Jack: 5 pounds, 10 ounces
Jude: 4 pounds, 9 ounces
Adam and Vanessa Hamilton

Jack Lucas Grisoni

September 15, 2008
7 pounds, 10 ounces, 20 inches
Nicolas and Jamie Grisoni

Sara Elise Barnett

April 16, 2009
6 pounds, 12 ounces
Michael and Jen Barnett

Connor Joseph Finnan

May 23, 2009
6 pounds, 10 ounces, 19.5 inches
Ryan and Erica Finnan

Elora Wan Schumer

August 16, 2009
5 pounds, 11 ounces, 19 inches
Ross and Evelyn Schumer

Lily Summer Sherwood

September 21, 2009
8 pounds, 1 ounce, 21 inches
Richard J. Sherwood and Dana L. Duren

Weddings

Matt and Betsy Noyes

September 6, 2008
Canton, Ohio

Karl and Dawn Siebuhr

June 6, 2009
Dayton, Ohio

Professional Activity

Publications

- Baumfeld JA, Diduch DR, **Rubino LJ**, Hart JA, Miller MD, Barr MS, Hart JM. Tunnel widening following anterior cruciate ligament reconstruction using hamstring autograft: a comparison between double cross-pin and suspensory graft fixation. *Knee Surg Sports Traumatol Arthrosc.* 2008 Dec;16(12):1108-13. Epub 2008 Sep 13.
- Bhandari M, Sprague S, Schemitsch EH, and the International Hip Fracture Research Collaborative (participating member – **Prayson MJ**). Resolving controversies in hip fracture care: the need for large collaborative trials in hip fractures. *J Orthop Trauma.* 2009;23(6): 479-484.
- Blome-Eberwein S, **Johnson RM**, Miller SF, Caruso DM, Jordan MH, Milner S, Tredget EE, Sittig KM, Smith L. Hydrofiber dressing with silver for the management of split-thickness donor sites: A randomized evaluation of two protocols of care. *Burns* (2009), doi:10.1016/j.burns.2009.06.193.
- Booth BA, Mistovich RJ, Janout M, Stills HF Jr, **Laughlin RT**. Fatty infiltration of the gastrocnemius after tendo-Achilles lengthening and gastrocnemius recession in a rabbit model. *Foot & Ankle International.* 2009;30(8):778-82.
- Coffey MJ**, Fazlur Rahman M, Thirkannad SM. Pediatric ganglion cysts of the hand and wrist: an epidemiologic analysis. *Hand.* 2008;3(4):359-62.
- Coffey MJ**, Scheker LR, Thirkannad SM. Total distal radioulnar joint arthroplasty in adults with symptomatic Madelung's deformity.
 - Hand. Epub 2009 March 21.
 - Hand. 2009;(4):427-31.
 - Presented at the 63rd Annual American Society for Surgery of the Hand, Residents and Fellows Conference, Chicago, IL, September 2008.
- Coffey MJ**, Stadnick ME, Thirkannad SM. Re: "Steiner-like" lesion in the little finger.
 - J Hand Surg Eur Vol. 2009;34:269-71.
 - Poster presented at the 63rd Annual American Society for Surgery of the Hand, Residents and Fellows Conference, Chicago, IL, September 2008.
- Coffey MJ**, Thirkannad SM. Glove-gauze regimen for the management of hand burns.
 - Tech Hand Up Extrem Surg. 2009(13):4-6.
 - Topical silver sulfadiazine cream covered with a sterile surgical glove in the treatment of partial and full thickness burns of the hand. Poster presented at the 63rd Annual American Society for Surgery of the Hand, Residents and Fellows Conference, Chicago, IL, September 2008.
- Di Paola CP, Bible JE, Biswas D, **Di Paola MJ**, Grauer JN, Rehtine GR. Survey of spine surgeons on attitudes regarding osteoporosis and osteomalacia screening and treatment for fractures, fusion surgery and pseudoarthrosis.
 - Spine J. 2009 Jul;9(7):537-44. Epub 2009 Mar 28.
 - Physician knowledge and opinion of the CMS' Physician Quality Reporting Initiatives (PQRI) as they relate to osteoporosis. Presented at the 8th International Symposium on Osteoporosis: Translating Research into Clinical Practice, Washington, DC, April 2009.
- Di Paola CP, Sawyers A, Conrad BP, Horodyski M, **Di Paola MJ**, Del Rossi G, Rehtine GR II. Comparing cervical spine motion with different halo devices in a cadaveric cervical instability model. *Spine.* 2009;34(2):149-55.
- Di Paola MJ**, Marchetto P. Coracoid process fracture with acromioclavicular joint separation in an American football player: a case report and literature review. *American Journal of Orthopaedics.* 2009;38(1):37-9 (discussion 40).
- Ely EE, **Konstantakos EK**, **Laughlin RT**, **Johnson RM**, **Binski JC**. Total dislocation of the talus and the navicular: a case report. *J Orthop Trauma.* 2009;23(7):546-9.
- Finnan RP**, **Herbenick MA**, **Prayson MJ**, McCarthy M. Bladder incarceration following anterior external fixation of a traumatic pubic symphysis diastasis treated with immediate open reduction and internal fixation. *Patient Safety in Surgery.* 2008 Oct 19; 2(1):26.
- Herbenick MA**. Windmill pitching compared to baseball overhead pitching. *Sports Medicine Center Athlete's Update*, Miami Valley Hospital, Dayton, OH, Summer 2008.
- Herbenick MA**, Gambardella R. Revision anterior cruciate ligament reconstruction using a unique bioabsorbable interference screw for malpositioned tunnels. *Am J Orthop.* 2008;37(8):425-8.
- Herbenick MA**, King J, Altobelli G, Nguyen B, Podesta L. Injury patterns in professional arena football. *Am J Sports Med.* 2008;36(1):91-8.
- Herbenick MA**, Sprott DC, Stills HF Jr, **Lawless MW**. The effects of a cyclooxygenase-2 inhibitor on fracture healing in a rat model.
 - Am J Orthop. 2008;37(7):E133-7.
 - 1st Place. 2008 Resident Writer's Award, American Journal of Orthopedics, 2009.
- Horodyski M, Di Paola CP, **Di Paola MJ**, Conrad BP, Del Rossi G, Rehtine GR 2nd. Comparison of the flat torso vs. the elevated torso shoulder pad removal techniques in a cadaveric cervical spine instability model. *Spine.* 2009;34(7):687-91.
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 - Presented at the American Academy of Orthopaedic Surgeons 76th Annual Meeting, Las Vegas, NV, February 2009.
 - Poster presented at the Orthopaedic Trauma Association 24th Annual Meeting, Denver, CO, October 2008.
 - 2nd Place – Miami Valley Hospital Resident Research Paper Contest, May 2009.
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- *Journal of Shoulder and Elbow Surgery*. Accepted 2009.
- Poster accepted for presentation at the American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA, March 2010.
- Poster accepted for presentation at the Mid-America Orthopaedic Association Annual Meeting, Austin, TX, April 2010.
- 1st Place – Miami Valley Hospital Resident Research Paper Contest, May 2009.

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- Presented at the Orthopaedic Trauma Association 24th Annual Meeting, Denver, CO, October 2008.
- Presented at the 50th Annual Society for Military Orthopaedic Surgeons meeting, Las Vegas, NV, December 2008.
- Presented at the American Academy of Orthopaedic Surgeons 76th Annual Meeting, Las Vegas, NV, February 2009.
- Presented at the Mid-America Orthopaedic Association 27th Annual Meeting, Amelia Island, FL, April 2009.
- Dallas B. Phemister, MD Physician in Training Award. Mid-America Orthopaedic Association, April 2009.

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Schumer RA, Muckley KL, **Markert RJ**, Heflin J, **Goswami T**, **Prayson MJ**. Biomechanical comparison of proximal humerus locked plating using two methods of head fixation.

- *Journal of Shoulder and Elbow Surgery*. Accepted November 2009.
- Presented at the American Academy of Orthopaedic Surgeons 76th Annual Meeting, Las Vegas, NV, February 2009.
- Presented at the 2009 Ohio Orthopaedic Society Annual Meeting, Columbus, OH, May 2009.
- **Schumer RA**, **Prayson MJ**, **Konstantakos EK**. Biomechanical analysis of a new locked plating system for the proximal humerus. - Presented at the 2008 Society of Engineering Science Orthopaedic Bioengineering – Nano to Device Level Meeting, Champaign, IL, October 2008.
- Presented at the 50th Annual Society for Military Orthopaedic Surgeons meeting, Las Vegas, NV, December 2008.
- Presented at the American Academy of Orthopaedic Surgeons 76th Annual Meeting, Las Vegas, NV, February 2009.
- Presented at the Mid-America Orthopaedic Association 27th Annual Meeting, Amelia Island, FL, April 2009.

Sensiba PR, **Coffey MJ**, Williams NE II, Mariscalco M, **Laughlin RT**. Interobserver and intraobserver reliability in the radiographic evaluation of adult flat foot deformity. *Foot & Ankle International*. Accepted September 2009.

Submitted for Publication

Butler DL, Gooch C, Kinneberg KRC, **Boivin GP**, Galloway MT, Nirmalanandhan VS, Shearn JT, Dymont NA, Juncosa-Melvin N. The use of mesenchymal stem cells in collagen-based scaffolds for tissue-engineered repair of tendons. *Nature Protocols*. Submitted 2009.

Crosby LA, **Noyes M**, **Kleinhenz B**, **Markert RJ**. Functional and radiographic long-term outcomes of hemiarthroplasty for proximal humerus fractures.

- In preparation for publication submission.
- Presented at the American Shoulder and Elbow Surgeons Annual Meeting, New York, October 2009.
- Accepted for presentation at the Mid-America Orthopaedic Association Annual Meeting, Austin, TX, April 2010.

Dib P, Hicks T, Quan R, **Johnson RM**, **Hoffmann A**. Role of selective AT2 receptor activation in melanoma growth. *Advances in Pharmacological Research*. In review.

Di Paola MJ, Bosco J. The painful scapulothoracic articulation. *JAAOS*. In submission.

Di Paola MJ, Herman H, Pizzitullo P. Incidence of unscheduled cast changes in a pediatric population: etiology and implications. *Journal of Pediatric Orthopedics*. In review.

Dundon J, **Lawless MW**, **Markert RJ**. Correlation between patella and patellar tendon width: An anatomic study. In preparation.

Gayton C, **Prayson MJ**, **Venkatarayappa I**, **Markert RJ**. The effects of magnetic resonance imaging on surgical staples: An experimental analysis. *Journal of Trauma*. Submitted December 2009.

Konstantakos EK, **Laughlin RT**, **Markert RJ**, **Crosby LA**. Assuring the research competence of orthopaedic graduates.

- *Journal of Surgical Education*. Submitted December 2009.
- Building a successful orthopaedics department. Presented at the American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV, February 2009.
- **Markert RJ**, **Konstantakos EK**, **Laughlin RT**, **Crosby LA**. Professionalism in graduate medical education: misrepresentation of research publications by orthopaedic residency applicants. Presented at the Central Group on Educational Affairs, Association of American Medical Colleges, Rochester, MN, March 2009.

Konstantakos EK, **Prayson MJ**. Orthopaedic reductions made simple. In progress.

Perry TL, **Johnson RM**, Heyse P. Large flap preservation in a patient with extensive necrotizing fasciitis: is vertical transmission of infection directly proportional to centrifugal spread of disease? *Plastic and Reconstructive Surgery*. In submission.

Peters PG, **Herbenick MA**, Anloague P, **Markert RJ**, **Rubino LJ**. Knee range of motion: The reliability and agreement of three measurement methods.

- *American Journal of Orthopaedics*. Submitted October 2009.
- Radiographic correlation of knee range of motion assessed on routine physical examination. Presented at the Mid-America Orthopaedic Association Annual Meeting, Amelia Island, FL, April 2009.

Picha B, **Konstantakos EK**, **Gordon D**, **Markert RJ**. Bilateral incidence of scapholunate dissociation. In preparation.

Prayson MJ, **Sirkin M**, **Dalstrom DJ**. Fractures of the tibial shaft. In: *OKU 4 Trauma*. Submitted November 2009.

Rokito A, Birdzell M, Cuomo F, **Di Paola MJ**, Zuckerman J. The effect of surgical approach on recovery of strength and proprioception after open capsulolabral reconstruction. *Journal of Shoulder and Elbow Surgery*. In review.

Presentations

Barnett MD. Pedorthic management. Presented at *Clinical Applications of Prosthetics & Orthotics*, Miami Valley Hospital, Dayton, OH, March 2009.

Binski JC. History review of external fixation. Tibial fractures. Billing/coding reimbursement. Presented at the *Essentials of External Fixation Course*, Scottsdale, AZ, January 2009.

Binski JC. Principles of deformity correction I – introduction. Principles of deformity correction II – complex tibia deformity. Upper extremity external fixation. Principles of deformity correction III – distal femur. Limitations of Taylor Spatial Frame. Presented at the *3rd Annual Innovative Trauma and Reconstructions Solutions Advances and Controversies in Limb Reconstruction Course*, Kitzbuhel, Austria, January 2009.

- Binski JC.** History review of external fixation. Overview of foot and ankle indications. Hands-on lab – equinus frames. Presented at the Essentials of External Fixation Course, Chicago, IL, April 2009.
- Binski JC.** Advanced Taylor Spatial Frame planning: CORAsponding point. Ankle arthrodesis lab. CORAgin method. Distal femoral deformity application. TSF bi-level lab. TSF distal femur lab. TSF foot lab. TSF segmental transport lab. TSF tibial fracture lab. Presented at the 11th Taylor Spatial Frame Course, Vienna, Austria, May 2009.
- Binski JC.** Nonunions at the docking site: how to reduce the risk. Presented at the Limb Lengthening & Reconstruction Society Meeting, Louisville, KY, July 2009.
- Binski JC.** Advanced planning techniques lab. Defining parameters lab. Fracture management with external fixation. Indications for Taylor Spatial Frame (lab lecture). Presented at the 19th Annual Baltimore Limb Deformity Course, Baltimore, MD, September 2009.
- Binski JC.** Fracture management with Taylor Spatial Frame. Tibial fracture lab. Femur deformity lab. Surgical demonstration: Taylor Spatial Frame for malunion of the femur. Ilizarov external fixation for infected nonunion of the femur. Presented at the Taylor Spatial Frame Meeting, Lecco, Italy, September 2009.
- Binski JC.** History review of external fixation. Lucite lab. Presented at the Essentials of External Fixation Meeting, Orlando, FL, October 2009.
- Binski JC.** Type 4 osteomyelitis: treatment strategies. The infected nonunion: overview of surgical management – tibia. Indications, tips, and tricks for femoral and tibial bone transport. Tibial bone transport lab. Presented at the Osteomyelitis and Segmental Bone Defects Meeting, Baltimore, MD, September 2009.
- Coffey MJ.** Metabolic bone disease. Presented at the 3E/SE/NE Orthopaedic Review, Miami Valley Hospital, Dayton, OH, September 2009.
- Duren DL.** Normal human locomotion. Presented at Clinical Applications of Prosthetics & Orthotics, Miami Valley Hospital, Dayton, OH, March 2009.
- Ellis CJ.** Skin infections. Wright State University Athletic Training Program Presentations, Dayton, OH, January 2008.
- Ellis CJ.** Endurance sports coverage. Wright State University Athletic Training Program Presentations, Dayton, OH, May 2008.
- Ellis CJ.** Exercise-induced bronchospasm asthma. Wright State University Athletic Training Program Presentations, Dayton, OH, February 2009.
- Ellis CJ.** Let's get internal: Physical exam findings. Presented at the Great Lakes Athletic Trainers Association Annual Meeting, Ft. Wayne, IN, March 2009.
- Ellis CJ.** Muscle cramping. Wright State University Athletic Training Program Presentations, Dayton, OH, May 2009.
- Ellis CJ.** Concussion updates. Wright State University Athletic Training Program Presentations, Dayton, OH, September 2009.
- Ellis CJ.** Review of 3rd concession and sports statement. Greater Dayton Athletics Association, Dayton, OH, November 2009.
- Gargac S, **Goswami T.** Stress analysis of Ohio total ankle replacement models. Presented at the 2008 Society of Engineering Science Orthopaedic Bioengineering – Nano to Device Level Meeting, Champaign, IL, October 2008.
- Hamilton A.** Orthopaedic trauma. Presented at the 3E/SE/NE Orthopaedic Review, Miami Valley Hospital, Dayton, OH, September 2009.
- Herbenick MA.** Evaluation and treatment of SLAP tears. Presented at the Miami Valley Hospital Sports Medicine Grand Rounds, Dayton, OH, August 2008.
- Herbenick MA.** Current concepts of cartilage injuries. Presented at the Miami Valley Hospital Sports Medicine Grand Rounds, Dayton, OH, December 2008.
- Herbenick MA.** Neurologic disorders of the shoulder & elbow. Presented at the Greater Dayton Area Trainer's Association Meeting, Dayton, OH, March 2009.
- Herbenick MA.** Sports management. Presented at Clinical Applications of Prosthetics & Orthotics, Miami Valley Hospital, Dayton, OH, March 2009.
- Herbenick MA.** Treatment of full thickness rotator cuff tears. Shoulder instability: sport specific considerations in athletic shoulder instability Presented at the Annual Ohio State AST Meeting, March 2009.
- Herbenick MA.** Clinical outcomes of shoulder patients with greater tuberosity cysts on MRI. Presented at the Mid-America Orthopaedic Association Annual Meeting, Amelia Island, FL, April 2009.
- Herbenick MA.** Reverse total shoulder. Presented at the Dayton Area Orthopaedic Nurses Meeting, Dayton, OH, April 2009.
- Herbenick MA.** Upper extremity orthopaedic surgery. Presented at the University of Dayton Doctorate Physical Therapy Program, Dayton, OH, April 2009.
- Herbenick MA.** Non-neurologic causes of elbow pain. Presented at the American Association of Neuromuscular & Electrodiagnostic Medicine Annual Meeting, San Diego, CA, October 2009.
- Herbenick MA.** Interesting cases of the shoulder and elbow. Presented at the Miami Valley Hospital Sports Medicine Grand Rounds, Dayton, OH, December 2009.
- Herbenick MA, Chae J, Crosby LA, Markert RJ.** Incidence of symptomatic Opus anchor failure in mini-open rotator cuff repairs. Presented at the Mid-America Orthopaedic Association Annual Meeting, Amelia Island, FL, April 2009.
- Ingawale S, **Goswami T.** Temporomandibular joint model development. Presented at the 2008 Society of Engineering Science Orthopaedic Bioengineering – Nano to Device Level Meeting, Champaign, IL, October 2008.
- Iossi MF, Konstantakos EK.** Degenerative joint disease; Adult spine disorders. Presented at the 3E/SE/NE Orthopaedic Review, Miami Valley Hospital, Dayton, OH, September 2009.
- Iossi MF, Konstantakos EK, Duren DL, Sherwood RJ, Hedgecorth K, Teel D, MacGuire M, Laughlin RT.** Musculoskeletal function following bariatric surgery.
 - Proceedings of the 2009 American Academy of Orthopaedic Surgeons Annual Meeting.
 - Proceedings of the 2009 Mid-America Orthopaedic Association Annual Meeting.
- Proceedings of the 2009 Ohio Chapter of the American College of Surgeons Annual Meeting.
 - **Laughlin RT.** "Obesity: A Musculoskeletal Nightmare" Media Briefing Participant – American Academy of Orthopaedic Surgeons 76th Annual Meeting, Las Vegas, NV, February 2009.
 - Presented at the American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV, February 2009.
 - Presented at the Mid-America Orthopaedic Association Annual Meeting, Amelia Island, FL, April 2009.
 - Poster presented at the Ohio Chapter of the American College of Surgeons Annual Meeting, Cleveland, OH, May 2009.
 - 3rd Place – Miami Valley Hospital Resident Research Paper Contest, May 2009.
- Iossi MF, Miller D, Markert RJ, Crosby LA, Goswami T.** Recurrent dissociation of a modular humeral prosthesis: a case report and biomechanical retrieval analysis.
 - Presented at the 2008 Society of Engineering Science Orthopaedic Bioengineering – Nano to Device Level Meeting, Champaign, IL, October 2008.
 - Biomechanical analysis of modular humeral prosthesis dissociation. Poster presented at the 10th Annual Dayton Area Graduate Medical Education Consortium (DAGMEC) Resident Research Forum, Dayton, OH, April 2009.
- Krishnamurthy AB.** Orthopedic systems redesign. Presented at the VISN 22 SR Conference, Culver City, CA, September 2008.
- Krishnamurthy AB.** Service agreements. Presented at the VISN 20 System Redesign Collaborative Part 2, Seattle, WA, July 2008; and the VISN 12: VA Great Lakes Health Care System SR Meeting, Chicago, IL, October 2008.
- Krishnamurthy AB.** Orthopedic service review. Presented at the Portland VA Medical Center at the request of the Chief of Surgical Service, Portland, VA, December 2008.
- Krishnamurthy AB, Carr B, Ahluwalia G, Goswami T.** The history and evolution of knee arthroplasty. Presented at the 2008 Society of Engineering Science Orthopaedic Bioengineering – Nano to Device Level Meeting, Champaign, IL, October 2008.
- Laughlin RT.** Moderator. Session II at the Orthopaedic Bioengineering – Nano to Device Level Conference of the Society of Engineering Science 2008 Technical Meeting, Champaign, IL, October 2008.
- Laughlin RT.** Lower limb amputation. Opening and closing remarks. Presented at Clinical Applications of Prosthetics & Orthotics, Miami Valley Hospital, Dayton, OH, March 2009.
- Laughlin RT.** Talus fractures. Calcaneus and talus fractures lab. Complex ankle fractures. Infection post fixation. Presented at the AO North America Advanced Principles & Techniques of Operative Fracture Management Course, Covington, KY, September 2009.
- 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, July 2008.
- Lawless MW.** Treatment of tendonitis. Presented at the Sports Medicine Grand Rounds, Department of

- Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, November 2008.
- Lawless MW.** Anterior cruciate ligament (ACL). Presented at the 2009 Upper Valley Medical Center Sports Medicine Symposium, Edison Community College, Piqua, OH, February 2009.
- Lawless MW.** Contralateral knee grafts. Presented at the Sports Medicine Grand Rounds, Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, April 2009.
- Lawless MW.** Joint health. Presented at the Miami Valley Hospital Mall Walkers Program, Dayton, OH, April 2009.
- Lawless MW.** Perioperative care for TKA. Presented at the Sports Medicine Grand Rounds, Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, November 2009.
- Muckley K, **Goswami T.** Intervertebral disc replacement devices. Presented at the 2008 Society of Engineering Science Orthopaedic Bioengineering – Nano to Device Level Meeting, Champaign, IL, October 2008.
- Prayson MJ.** Ultra-sound technology for fracture healing: clinical and economic benefits for your patients and practice. Presented at EXOGEN-sponsored Educational Forum, Cincinnati, OH, November 2008.
- Prayson MJ.** EXOGEN bone stimulation – clinical overview and case presentations. Presented at Smith & Nephew's Biologics & Spine National Sales Meeting, Dana Point, CA, January 2009.
- Prayson MJ.** A biomechanical evaluation of hybrid fixation in an osteoporotic supracondylar femur fracture model. Presented at the Mid-America Orthopaedic Association 27th Annual Meeting, Amelia Island, FL, April 2009.
- Prayson MJ.** A fresh perspective in fracture healing. Presented at Smith & Nephew's Scientific Discussion, Carmel, IN, April 2009.
- Prayson MJ.** Course faculty, small group sessions and lab instructor. Proximal and distal tibial nailing. Insufficiency fractures. Presented at the AO Advanced Residents Course, Covington, KY, September 2009.
- Prayson MJ.** Presented as course faculty for the 15th Annual Comprehensive Fracture Course for Residents at the Orthopaedic Trauma Association 25th Annual Meeting, San Diego, CA, October 2009.
- Prayson MJ.** The protective effect of locking screw placement on non-locking screw insertion torque in an osteoporotic supracondylar femur fracture model. Presented at the Orthopaedic Trauma Association 25th Annual Meeting, San Diego, CA, October 2009.
- Rubino LJ.** Athletic hip injuries. Presented at the Sports Medicine Grand Rounds, Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, January 2009.
- Rubino LJ.** Facilitator. Resident Arthroscopy Course. Naples, FL, 2009.
- Rubino LJ.** Moderator – Sports Medicine Break Out Session. Presented at the Mid-America Orthopaedic Association Annual Meeting, Amelia Island, FL, April 2009.
- Rubino LJ.** Upper and lower sports and trauma injuries seminar. Presented at the University of Dayton Doctorate of Physical Therapy Program, Dayton, OH, Summer 2008.
- Rubino LJ.** Overuse injuries in the hip. Presented at the Sports Medicine Grand Rounds, Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, October 2009.

Posters/Abstracts

- Dyment NA, **Boivin GP**, Galloway MT, Shearn JT, Greiwe RM, Kenter K, Hasan SS, Butler DL. Collagenase vs. prostaglandin-E2 for inducing degenerative changes in the rabbit patellar tendon. Proceedings of the Orthopaedic Research Society Annual Meeting, 2009.
- Finnan RP.** Tetracycline labeling as a measure of humeral head viability after three- or four-part proximal humerus fracture. Poster presented at the 10th Annual Dayton Area Graduate Medical Education Consortium (DAGMEC) Resident Research Forum, Dayton, OH, April 2009.
- Goshtasby P.** The aesthetic surgical management of PARRY-ROMBERG Syndrome. Proceedings of the Aesthetic Facial Reconstruction Meeting, February 2009.
- Goshtasby P.** Pyoderma gangrenosum complicating breast reduction. Proceedings of the American Society of Aesthetic Plastic Surgeons Meeting, May 2009.
- Jain A, Shearn JT, Gooch CG, Galloway MT, **Boivin GP**, Powell HM, Boyce ST, Butler DL. Effects of mechanical stimulation of MSC-seeded collagen-GAG constructs on construct and repair biomechanics. Proceedings of the Orthopaedic Research Society Annual Meeting, 2009.
- Kinneberg KRC, Galloway MT, Searn JT, Gooch C, **Boivin GP**, Butler DL. Autograft repair of central-third PT defect is biomechanically and histologically inferior to normal and TE repair. Proceedings of the Orthopaedic Research Society Annual Meeting, 2009.

Awards/Honors

- Binski JC.** Outstanding Teaching in Orthopaedic Surgery. Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, June 2009.
- Duren DL.** President's Award for Faculty Excellence: Early Career Achievement. Wright State University, Dayton, OH, September 2009.
- Herbenick MA.** Outstanding Teaching in Orthopaedic Surgery. Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, June 2009.
- Johnson RM.** Wall of Excellence. Miami Valley Hospital, Dayton, OH, March 2009.

Grants

- Baldwin PK.** Residency/General Education Grant. OMeGA Medical Grant Association, 2009.
- Coffey MJ.** Effects of multiple freeze-thaw cycles on fibular allograft bone. Research Resident and Fellow Support Grant. DAGMEC, 2008.
- Gayton CJ, Boivin GP.** Analysis of rotator cuff motor end-plate after rotator cuff tear in a rabbit model. Research Resident and Fellow Support Grant. DAGMEC, 2009.
- Iossi MF.** JBJS Resident Journal Club Grant. Orthopaedic Research and Education Foundation, 2009.
- Noyes MP.** Comparison of pre-contoured locking and non-locking plates in midshaft clavicle fractures: a biomechanical study. Research Resident and Fellow Support Grant. DAGMEC, 2008.
- Perry T, **Johnson RM**, Shapiro M, **Hoffmann A.** Prospective quantitative evaluation of pathophysiological markers in patients with inhalation injury receiving and accepted protocol, 2009.
- Prayson MJ.** Fixation using alternative implants for the treatment of hip fractures (FAITH). University of Minnesota, 2009.
- 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. Greenville Hospital System, 2009.
- Rubino LJ.** Evaluation of motor end plates in rotator cuff tears. LARF, 2009.
- Schumer RA.** JBJS Resident Journal Club Grant. Orthopaedic Research and Education Foundation, 2008.
- Vourazeris JD.** Research Resident Proposal Grant. DAGMEC, 2009.

Prayson MJ. Outstanding Teaching in Orthopaedic Surgery. Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, June 2009.



Boonshoft
School of Medicine
WRIGHT STATE UNIVERSITY

Orthopaedic Surgery, Sports Medicine and Rehabilitation
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UPCOMING EVENTS

2010 Graduation

Jason H. Calhoun, M.D., FACS
Professor & Frankl J. Kloenne Chair
The Ohio State University
Medical Center
June 18-19, 2010

Sports Medicine Symposium

July 9, 2010

Spine Visiting Professor

Fall 2010

Department Holiday Party

December 9, 2010

2011 AAOS Alumni Reception

San Diego, California
February 19, 2011

Orthopaedic Interest Group Continues

In 2006 the Wright State University Boonshoft School of Medicine Orthopaedic Interest Group was established. Justin Mistovich and Kyle Randall, both students at the time, took the initiative to start the group, which now meets three to four times a year. This year's group is headed by Erin Ely, Matt Johansen, and Sylvester Youlo.

The topics for these meetings are chosen by the leaders as determined by student interest. At least once a year, Michael D. Barnett, Jr., M.D., director of undergraduate orthopaedic student medical education and the group advisor, leads a question-and-answer session on how to successfully obtain an orthopaedic surgery residency position. Other topics have included orthopaedic research, orthopaedic subspecialties, and life as an orthopaedic surgeon. The group strives to provide interested students access to orthopaedic faculty in an informal setting.

PGY-2 Adult Reconstruction Rotation Added

In July 2008, the residency program added a PGY-2 adult reconstruction rotation with Dennis M. Brown, M.D., and The Joint Center at Good Samaritan Hospital. In 2007, chief residents began spending one day per week with Dr. Brown to increase their volume of joint replacement cases. We appreciate Dr. Brown, The Joint Center, and Montgomery Orthopaedic Surgeons joining forces with our department to further our commitment to providing a well-rounded training experience for our residents.