

Orthopaedic News



Boonshoft
School of Medicine
WRIGHT STATE UNIVERSITY

For Department of Orthopaedic Surgery, Sports Medicine
and Rehabilitation alumni and friends

Volume 6: 2007-2008

Message from the Chair	1
Department News	2
Visiting Professors	3
Research Fellow	3
PGY-1 Residents	4
PGY-2 Residents	4
Alumni News	5
Contributions	5
Orthopedics Ranks in Top 50	5
2008 Alumni Reception	6-7
2007 Graduation	8-9
2008 Graduation	10-11
Professional Activity	12-15
2008 Graduates	15

We'd like to feature you in our newsletter!

Please send career updates, honors, awards, publications and personal highlights, along with newsletter ideas and suggestions to: jrknauff@mvh.org

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& Rehabilitation
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Message from the Chair



Richard T. Laughlin, M.D.
Chair

The 2007-2008 academic year brought new challenges and successes to our department. As many of you know, Lynn Crosby, M.D., our chair since 2002, stepped down to focus more time on research and his reconstructive shoulder practice. I would like to thank Lynn for all he brought to the department over the years. He truly had a vision for transforming the department into a university-based model without losing the positive influence of community-based teaching and service. Under his direction, we increased the number of program residents to four per year with two research positions. He was instrumental in hiring Tarun Goswami, Ph.D., as director of our biomedical engineering programs by using money from funds started by our former chairman, H.F. Pompe van Meerdervoort, M.D. He has also fostered a departmental research committee that has been very active in collaborating with individuals and departments with interest in musculoskeletal issues. His academic accomplishments and growing national reputation have created opportunities for all our residents and younger faculty. Lynn's contributions in leading this department have set the table for future accomplishments. Probably no one has benefited more from his leadership and influence than I have and I hope to carry on many of the projects he started.

Our mission's focus is graduate resident education. In the last year, we successfully applied for a fourth resident and were granted a five-year accreditation. This could not have been accomplished without recent departmental changes and increased research efforts. In addition, we have had outstanding support from our hospital partners. Miami Valley Hospital has been the main sponsoring institution of the residency since it started. The Dayton VA and Children's Medical Centers also provide support. With the addition of the fourth resident, Good Samaritan Hospital has joined us as a full-time teaching site for the orthopaedic residents. This growth allows us to broaden the residents' experience, further enhancing their education and research opportunities.

Peggy Baldwin, our residency coordinator has been invaluable in organizing our accreditation site visits. Her experience and attention to detail have greatly contributed to the success of the applications. Now that we have obtained our five-year accreditation, she has "volunteered" to take on the task of getting our orthopaedic trauma fellowship accredited. The trauma fellowship, under the direction of Mike Prayson, M.D., was started two years ago with industry support. With the growing demand for fellowship-trained orthopaedic traumatologists, the demand for fellowships has increased. We have the one-year position filled through June 2011. The interest in coming to Miami Valley Hospital for trauma training is a credit to the work that has been done by the orthopaedic trauma attendings over the past several years.

Continued on Page 3

Department News



Dr. Laughlin welcomed **David J. Dalstrom, M.D.**, into the Alpha Omega Alpha Honor Medical Society, Wright State University Boonshoft

School of Medicine Chapter, on Tuesday, May 6, 2008, at the Country Club of the North in Beavercreek, Ohio. Alpha Omega Alpha elects outstanding medical students, graduates, alumni, faculty, and other honorary members.



Associate Professor **Corey J. Ellis, M.D.**, and his wife Lori Ellis, M.D., welcomed Calder Ron Ellis, on April 26, 2008, at 9:00 a.m. Weighing

7 pounds, 12 ounces, and measuring 20 inches long, Calder was welcomed by big brother Cohen Dodson Ellis, who was born July 27, 2006, at 7 pounds, 12 ounces, and 20.5 inches long.



Ryan P. Finnan, M.D., and Erica Steinbicker were married Saturday, July 19, 2008 at the Church of the Incarnation in

Centerville, Ohio. The reception was held at the Schuster Center in downtown Dayton. Dr. Finnan received third place for "A Biomechanical Evaluation of Cadaveric Femurs after Bone Graft Harvesting with the Reamer-Irrigator-Aspirator" in the Resident's Paper Contest at the 2008 Ohio Orthopaedic Society annual meeting. He was also nominated as the *Journal of Orthopaedic Trauma's* Best PGY-3 Orthopaedic Teaching Resident from our program and was awarded a Synthes-sponsored one-year subscription to the journal.



Michael A. Herbenick, M.D., was elected to the Wright State University Boonshoft School of Medicine Nominating

Committee for the July 1, 2008, to June 30, 2010, term.



Serving the July 1, 2008, to June 30, 2010, term, **Anil B. Krishnamurthy, M.D.**, was elected to the Wright State University Boonshoft School of Medicine Admissions Committee.



Stacy McMahon joined the department in February 2008 as the new Trauma Research Coordinator. A graduate of the Rochester Institute

of Technology in New York, Stacy received her bachelor's in biotechnology. Previously, Stacy worked in California as an Enologist Assistant for Firestone Vineyard, a Primary Mass Spec Analyst for Environmental Analytical Services, and an Associate Scientist for Miravent Pharmaceuticals.



At the April 2008 Mid-America Orthopaedic Association meeting, **Paul G. Peters, M.D.**, was awarded the \$1,000 Carl L.

Nelson, M.D. Physician in Training Award. "Time of Exposure to C-Arm Drape Contamination," is based on research directed by Dr. Prayson. This paper was also presented—by invitation—at the 2009 AAOS meeting in Las Vegas.



Joe Rubino, M.D., received first place for "The Effect of Tibial Tunnel Starting Position on Femoral Tunnel Length and Location in ACL

Reconstruction: A Cadaveric Study" in the 2007 Ohio Orthopaedic Society's member paper contest.



The Department nominated **Paul R. Sensiba, M.D.**, to the 2008 AOA-OREF-Zimmer Resident Leadership Forum. This forum was held

during the June 2008 AOA meeting in Quebec City, Quebec. PGY-4 residents are nominated based on their accomplishments during their residency training. The forum gives them an opportunity to further build their leadership skills. Past department leadership forum attendees include Martin Janout, M.D., (2005), Michael A. Herbenick, M.D., (2004) and Damian M. Andrisani, M.D., (2003).



Mark H. Stouffer, M.D., was awarded a \$10,000 OTA Research Grant for "Comparison of Short and Long Cephalomedullary

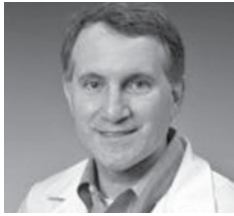
Nail in Treatment of Unstable Intertrochanteric Hip Fractures: A Biomechanical Study," supervised by Dr. Prayson. Dr. Stouffer was also awarded a \$2,500 2008 DAGMEC Research Resident and Fellow Support Grant for the same study. In July 2008, Dr. Stouffer became the first Research Resident in the department's new six-year research-focused residency program.



Nathan E. Williams, M.D., (2008) and his wife Melissa Williams, M.D., welcomed their first child, Abigail Cherry Williams, on May 22, 2008, at 9:04

a.m. Abigail weighed 8 pounds, 6 ounces, and measured 21 inches long.

Visiting Professors



Joel I. Sorger, M.D.
Fall Dayton
Orthopaedic Society
Meeting
October 23, 2007
Dayton Marriott
"Evaluation and
Treatment of Bone Sarcomas"

Grand Rounds

October 24, 2007 "Evaluation and Treatment of Metastatic Cancer to Bone"

Education

B.S., Biology, University of Richmond, Richmond, VA

M.D., Medical College of Virginia at Virginia Commonwealth University, Richmond, VA

General Surgery Internship

University of Cincinnati College of Medicine, Cincinnati, OH

Orthopaedic Research Fellowship

University of Cincinnati College of Medicine, Cincinnati, OH

Orthopaedic Surgery Residency

University of Cincinnati College of Medicine, Cincinnati, OH

Orthopaedic Oncology Fellowship

Management and Treatment of Bone and Soft Tissue Sarcomas – Harvard Combined Orthopaedics Residency Program, Boston, MA

Orthopaedic Research Fellowship

Noyes-Giannestras Biomechanics Lab, Department of Aerospace Engineering, University of Cincinnati, Cincinnati, OH

Certification

American Board of Orthopaedic Surgery

Current Appointment

Assistant Professor and Director Division of Musculoskeletal Oncology Department of Orthopaedic Surgery University of Cincinnati Medical Center, Cincinnati, OH



Robert J. Medoff, M.D.
Cadaveric Workshop
and Grand Rounds
May 6, 2008
Cadaveric Workshop
Good Samaritan
Hospital May 7, 2008

Grand Rounds

"Radiographic Interpretation"

Education

B.S., University of Pennsylvania, Philadelphia, PA

M.D., University of Pennsylvania School of Medicine, Philadelphia, PA

General Surgery Residency

John A. Burns School of Medicine, University of Hawaii, Honolulu, HI

Orthopaedic Surgery Residency

Campbell Clinic, University of Tennessee, Memphis, TN

Certification

American Board of Orthopaedic Surgery

Current Appointment

Orthopaedic Surgeon, Windward Orthopaedic Group, Kailua and Kaneohe, HI

Assistant Clinical Professor, Department of Orthopaedic Surgery, University of Hawaii, Honolulu, HI

Research Fellow

2008-2009



Michael J. Coffey, M.D.
Education
B.S., Biology (cum laude), Creighton University, Omaha, NE
M.D., Creighton University School

of Medicine, Omaha, NE

Internship

General Surgery, Creighton University School of Medicine, Omaha, NE

Fellowship

Research Fellow, Kleinert Institute for Hand and Microsurgery, Louisville, KY

Research

American hand transplant experience – function beyond expectation; Ochronotic arthropathy; Psychopharmacological studies for FDA Phase III and IV of Zyprexa (olanzapine) and certain side effects; Immediate active mobilization following repair of complex flexor tendon injuries.

Publication

One manuscript provisionally accepted.

Continued from page 1

Message from the Chair

Our new faculty are settling into their practices. Mike Herbenick, M.D., and Joe Rubino, M.D., have broadened the resident exposure to aspects of sports medicine, arthroscopy, and reconstruction. They started a bioskills lab on Wednesday afternoons for the senior residents on the sports rotation, allowing them to practice arthroscopic procedures on cadavers. This has been an invaluable addition to our teaching curriculum and will become more important in the future, as we will be required to document not only resident experience, but also new faculty proficiency in surgical procedures. Both have continued research interests begun during their residency and fellowships.

Mike Barnett, M.D., is growing his practice in reconstructive foot and ankle surgery both in Middletown and Dayton, while also taking on the role of medical student education director. Corey Ellis, M.D., has been a popular addition to the WSU sports medicine staff, providing primary care services to the athletes of Wright State. He is getting increasingly involved in student health for the university.

I am pleased to announce the addition of James C. Binski, M.D. to the department in December 2008. Dr. Binski has been an integral member of our clinical faculty for the past 15-20 years, is a great teacher for our residents, and has received numerous department teaching awards. Dr. Binski is internationally known for his Ilizarov and Taylor Spatial Frame external fixation expertise.

Overall, the future is bright for the department of orthopaedic surgery. The credit for past accomplishments is shared by all the people who contribute on a daily basis to our mission. We are very grateful for the efforts of our clinical attendings, university and medical school faculty, our teaching hospitals, clinical and office staff, and industry sponsors. Their efforts will continue to enhance musculoskeletal care in the Miami Valley.

PGY-1 Residents



John C. Gayton, M.D.

Education

B.S., Cellular Biology, University of Georgia, Athens, GA

M.D., Medical College of Georgia, Augusta, GA

Research

CT analysis of C1 lateral mass size at mid ring for 3.5mm screw fixation.



Christopher B. Lyons, M.D.

Education

B.S., Clinical Laboratory Science, Wright State University, Dayton, OH

M.D., University of Cincinnati College of Medicine, Cincinnati, OH

Research

Modification of carbon nanotubes with polymers to enhance solubility and utility in a variety of applications; Contraindications to lung transplantation and optimal management of recurrent pneumothorax in patients with lymphangioleiomyomatosis (LAM).

Publication

Seven publications, one accepted manuscript.



Indresh Venkatarayappa, M.B.B.S.

Education M.B.B.S., Bangalore Medical College, Bangalore, India

Residency, Orthopaedic

Surgery, Topiwala National Medical College, Mumbai, India

Fellowship

Orthopaedic Trauma: Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH

Research

Time-dependent contamination of open surgical trays; A survey of patient opinions regarding the use of reprocessed external fixation components; Contamination risk of opened sterile trays during surgery; Fixation Using Alternative Implants for the Treatment of Hip Fractures (FAITH) trial; HEALTH trial; Biomechanical analysis of long and short cephalomedullary nails; Mycoplasma arginini in an open femur fracture secondary to an African lion bite: A case study.

Publication

Two publications.



Jason D. Vourazeris, M.D.

Education International Business,

Copenhagen Business School, Copenhagen, Denmark

B.S., Business

Administration, University of Southern California, Los Angeles, CA

M.D., University of Cincinnati College of Medicine, Cincinnati, OH

Research

Retrospective study of juvenile osteochondritis dissecans patients; Predictive value of lesion size on healing potential of stable juvenile OCD lesions of the knee.

Publication

One submitted manuscript.

PGY-2 Residents



Emmanuel K. Konstantakos, M.D.

Education B.S., Biology (magna cum laude), Pre-Professionals Scholars Program in Medical Education, Case Western Reserve

University, Cleveland, OH

M.D., Case Western Reserve University, Cleveland, OH

Research

A randomized, prospective analysis of four strength training regimens in a collegiate football team.

Internship

Primary Care: Mount Carmel Medical Center, Columbus, OH

Family Practice: MetroHealth Medical Center, Cleveland, OH

Fellowship

Musculoskeletal and Sports Medicine Research Fellowship, Case Western Reserve University, Cleveland, OH

Research Fellow, Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH

Research

Physical assessment in bariatric patients before and after surgery; SLD incidence in the asymptomatic wrist; Biomechanical locking screws in metaphyseal fixation in sawbone femurs; Biomechanical evaluation of Reamer-Irrigator-Aspirator of cadaveric femurs after bone graft harvesting; Total knee arthroplasty in a below-knee amputee; Ankle instability predictions; Biomechanical analysis of locking versus non-locking screw configuration in an osteoporosis model.

Publications

Four publications, two accepted manuscripts, two submitted manuscripts, one manuscript in progress.



Matthew P. Noyes, M.D.

Education

B.S. Physical Therapy (magna cum laude), The Ohio State University, Columbus, OH

M.D., The University of Toledo College of

Medicine, Toledo, OH

Research

Absorbable pins in posterior wall acetabulum fractures with marginal impactions (AMP).

Alumni News

1995



As a consultant with the Indianapolis Colts, **David A. Porter, M.D., Ph.D.** and his family enjoyed cheering the Colts on to victory at the 2007 Super Bowl. The second edition of *Baxter's The Foot & Ankle in Sport*, co-authored by Dr. Porter, was published in 2008.

2004



Damian M. Andrisani, M.D., his wife Jennifer, and big brother Paul welcomed Damian Michael Andrisani, II on July 12, 2007, at

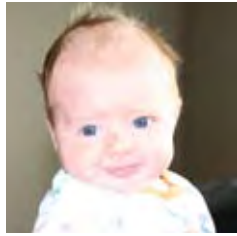
6:33 p.m., weighing 5 pounds, 14 ounces and measuring 19 inches long. Dr. Andrisani was certified by the American Board of Orthopaedic Surgery in July 2007.



E. Barry McDonough, M.D., his wife Kendryn, and brothers Connor and Brock welcomed Quinn Leonard McDonough during

the Super Bowl on February 3, 2008, at 10:02 p.m. Quinn weighed 8 pounds, 2 ounces, and measured 20.5 inches long. Dr. McDonough serves as Assistant Professor in the Department of Orthopaedic Surgery at West Virginia University in Morgantown, WV, and was certified by the American Board of Orthopaedic Surgery in July 2007.

2006



Christopher G. Anderson, M.D., his wife Josie, and big brother Dane welcomed Evan Matthew Anderson on March 25, 2008, at 6 pounds, 5 ounces and measuring 21 inches.



Matthew W. Gorman, M.D., his wife Megan and big sister Tamsyn welcomed Thomas Fitzpatrick Gorman on May 22, 2008, at

4:50 p.m. weighing 9 pounds, 13 ounces and measuring 21 inches long.



Martin Janout, M.D., his wife Karen Janout, M.D., and big brother Radek welcomed Dominik Martin Janout on April 28, 2008,

weighing 7 pounds and measuring 19 inches.

Dayton Orthopaedic Medical Fund Contributions

The department appreciates all those who made tax-deductible contributions between May 2007 and June 2008 to the Dayton Orthopaedic Medical Fund—a fund established to assist in training and educating our residents.

Peter S. Barre, M.D.

Gerard A. Dehner, M.D.

GlaxoSmithKline/Tom Ferring

Ahmad Haded, M.D.

KCI/Annette Sester

King Pharmaceuticals/Dusty Rose

Miami Valley Hospital/Medical Education

OrPro/Darlene Miller

Orthopedic Bracing Specialists

Smith & Nephew

Synthes/AO

Wright Medical/Scott Adrian



MVH Orthopedics Ranks in Top 50 of "America's Best Hospitals"

When *U.S. News & World Reports* published their 2008 America's Best Hospitals edition, Miami Valley Hospital ranked among the top 50 in orthopaedics. According to Mary Boosalis, President and CEO, "This makes the sixth time Miami Valley earned a spot on the list of best hospitals but the first year we have achieved distinction in orthopaedics."

2008 Alumni Reception

March 7, 2008
Ritz Carlton
San Francisco, CA







2007 Graduation

Graduates

Nicolas Grisoni, M.D.
Brian Hutchinson, M.D.

June 29, 2007
Resident Research Symposium
Alumni Golf Tournament

June 30, 2007
Hand Symposium
Graduation Ceremony



Awards

Basic Science – 1st Place
Karl Siebuhr, M.D.

Basic Science – 2nd Place
Nicolas Grisoni, M.D.

Golden Crutch
Britt Wells, M.D.

Dr. Grisoni’s Teaching Excellence
Michael Albert, M.D.

Dr. Hutchinson’s Teaching Excellence
James Binski, M.D.

Resident Education
Michael Prayson, M.D.



Guest Speaker

David M. Lichtman, M.D.
“Acute Injury to the DRUJ and TFCC”
“Kienböck’s Disc and Mid Carpal Instability”

Dr. Lichtman, Chair of the Department of Orthopaedics at John Peter Smith Hospital and the University of North Texas Health Science Center, graduated from the State University of New York Downstate Medical Center. After interning at the University of Minnesota Hospitals and completing his residency at the Naval Hospital Oakland, Dr. Lichtman completed a hand fellowship in San Diego. A frequent lecturer on hand and wrist problems, he authored *The Wrist and Its Disorders*, a widely-used textbook. A retired Rear Admiral in the United States Navy, Dr. Lichtman served as the Commanding Officer of the Naval Hospitals in Oakland and Bethesda. He has served as past president of the Society of Military Consultants to the Armed Forces and the American Society for Surgery of the Hand, as well as an examiner for the American Board of Orthopaedic Surgery.







2008 Graduation

Graduates

Jerry Ahluwalia, M.D.
David Dalstrom, M.D.
Nathan Williams, II, M.D.

June 20, 2008

Resident Research Symposium
Alumni Golf Tournament

June 21, 2008

Adult Reconstruction Symposium
Graduation Ceremony



Awards

Basic Science – 1st Place

Ryan Finnan, M.D.

Basic Science – 2nd Place

Jerry Ahluwalia, M.D.

Golden Crutch

Danny Reveal, M.D.

Dr. Ahluwalia's Teaching Excellence

Michael Welker, M.D.

Dr. Dalstrom's Teaching Excellence

Michael Prayson, M.D.

Dr. Williams' Teaching Excellence

Matthew Lawless, M.D.

Resident Education

Lynn Crosby, M.D.



Guest Speaker

William Petty, M.D.

“The Evolution and Future of Total Knee Arthroplasty”

“A Surgeon in Industry”

Dr. Petty founded Exactech, Inc., a company that designs and markets orthopaedic implant devices and related products, and has served as Chairman of the Board and Chief Executive Officer since Exactech's inception. He authored *Total Joint Replacement*, published by W. B. Saunders in 1991. Dr. Petty serves as professor and chair of the Department of Orthopaedic Surgery at the University of Florida College of Medicine and is an examiner for the American Board of Orthopaedic Surgery. He has served on the *Journal of Bone and Joint Surgery* Editorial Board and the American Academy of Orthopaedic Surgeons Executive Board. Dr. Petty completed his undergraduate and graduate degrees at the University of Arkansas, receiving his Doctor of Medicine there as well. He completed his orthopaedic surgery residency at the Mayo Clinic in Rochester, Minnesota.





Publications

- Crosby LA.** Introductory comments. *Journal of Bone and Joint Surgery.* 2007; 89-A(4):1.
- Crosby LA.** *Upper Extremity Self-Assessment Examination.* Rosemont, IL: American Academy of Orthopaedic Surgeons – Upper Extremity Evaluation Subcommittee, 2007.
- Crosby LA, Rubino LJ, Stills HF Jr, Sprott DC.** Fatty infiltration of the torn rotator cuff worsens over time in a rabbit model. *Arthroscopy.* 2007 Jul;23(7):717-22.
- Dalstrom DJ, Venkatarayappa I, Manternach AL, Palcic MS, Heyse BA, Prayson MJ.** Time-dependent contamination of opened sterile trays. *J Bone Joint Surg.* 2008;90A(5):1022-1025.
- Grisoni N, Foulk D, Sprott DC, Laughlin RT.** Simultaneous bilateral hip fractures in a Level I trauma center. *Journal of Trauma.* 2008;(65).
- Hess M, Booth BA, **Laughlin RT.** Calcaneal avulsion fracture: Complications from delayed treatment. *The American Journal of Emergency Medicine.* 2008;26(2):254.e1-4.
- Konstantakos EK, Dalstrom DJ, Laughlin RT, Miller S, Shapiro M.** Uniplanar external fixation for care of circumferential extremity burn wounds in adults. *Journal of Burn Care and Research.* 2007;28(6): 892-896.
- Konstantakos EK, Dalstrom DJ, Nelles ME, Laughlin RT, Prayson MJ.** Diagnosis and management of extremity compartment syndromes: An orthopaedic perspective. *The American Surgeon.* 2007;73(12):1 199-1209.
- Konstantakos EK, Laughlin RT, Markert RJ, Crosby LA.** Follow-up on misrepresentation of research activity by orthopaedic residency applicants: Has anything changed? *J Bone Joint Surg Am.* 2007;89(9):2084-2088.
- Konstantakos EK, Randall KL, Laughlin RT.** Hallux valgus and bunions. *Orthopaedic Textbook.* www.emedicine.com, April 2007.
- Prayson MJ, Iossi MF, Buchalter D, Vogt M, Towers J.** Safe zone for anterior cortical perforation of the ulna during tension band wire fixation: A magnetic resonance imaging analysis. *J Shoulder Elbow Surg.* 2008;17(1):121-125.
- Prayson MJ, Venkatarayappa I, Srivastava M, Northern I, Burdette SD.** Deep infection with Mycoplasma Arginini in an open femur fracture secondary to an African lion bite: A case report. *Injury Extra.* 2008;39:243-246.
- Rubino LJ, Schoderbek RJ, Golish SR, Baumfeld JA, Miller MD.** The effect of plate position and size on tibial slope in high tibial osteotomy: A cadaveric study. *J Knee Surg.* 2008;21:75-79.
- Tuman JM, Diduch DR, Baumfeld JA, **Rubino LJ, Hart JM.** Joint infection unique to hamstring tendon harvester used during ACL reconstruction surgery: A case series. *Arthroscopy.* April 2007.
- Tuman JM, Hart JM, **Rubino LJ, Nguyen HS, Baumfeld JA, Diduch DR.** Predictors for hamstring graft size in ACL reconstruction surgery. *American Journal of Sports Medicine.* July 2007.
- Herbenick MA, Sprott DC, Stills HF Jr, Lawless MW.** The effects of a Cyclooxygenase-2 inhibitor on fracture healing in a rat model. *American Journal of Orthopedic Surgery.* Accepted August 2007.
- Miller DL, **Goswami T, Prayson MJ.** An overview of the locking compression plate and its clinical applications in fracture healing. *J Surg Orthop Advances.* Accepted 2007.
- Randall KL, Russell C, Miller A, **Laughlin RT.** Use of an acellular regenerative tissue matrix in combination with vacuum assisted closure therapy for treatment of a diabetic foot wound. *The Journal of Foot & Ankle Surgery.* Accepted.
- Rubino LJ, Anderson MW, Baumfeld JA, Diduch DR, Carson EW.** Stress fracture of the coronoid: A case report. *Journal of Athletic Training.* Accepted March 2007.
- Rubino LJ, Miller MD.** Posterior cruciate ligament tibial inlay. In: *Surgical Techniques of the Shoulder, Elbow, and Knee.* St. Louis, MO: Elsevier Saunders. Cole and Sekiya (eds). Final proofs edited August 2007.
- Rubino LJ, Sprott DC, Stills HF Jr, Crosby LA.** Fatty infiltration does not progress after rotator cuff repair in a rabbit model. *Arthroscopy.* Accepted March 2008.

Submitted for Publication

- Collinge C, LeBus G, **Prayson MJ.** Tibial plafond fractures. Submitted to *Tech Orthop* 2007.
- Finnan RP, McCarthy M, Herbenick MA, Prayson MJ.** Bladder incarceration following anterior external fixation of a traumatic pubic symphysis diastasis treated with immediate open reduction and internal fixation. *J Surgical Mgmt Outcomes.* Submitted 2008.
- Janout M, Booth BA, Mistovich J, **Laughlin RT.** Fatty infiltration of the gastrocnemius and soleus after Achilles tendon lengthening. *Foot & Ankle International.* In submission.
- Karanicolas PJ, Bhandari M, Walter SD, Heels-Ansdell D, Guyatt GH and the Collaboration for Outcomes Assessment in Surgical Trials (COAST) Musculoskeletal Group (participating member – **Prayson MJ**). A creative approach to blinding of outcomes: The blinding of femoral fixation (BOFF) study. Manuscript preparation and submission in progress 2008.
- Konstantakos EK, Booth BA, Ahluwalia G, Kinzie M, Mistovich J, Laughlin RT.** Association of malleolar indices and foot types with foot and ankle injuries in college athletes. *Foot & Ankle International.* In submission.
- Konstantakos EK, Prayson MJ** (eds). *Orthopaedic Reductions Made Simple.* In progress.
- Trame C, Greene E, Moddeman G, Booth BA, **Konstantakos EK, Parada S, Siebuhr K, Laughlin RT.** Correlation of pain scores, analgesic use, and Beck Anxiety Inventory scores during hospitalization in lower extremity amputees. *Open Orthopaedic Journal.* In submission.

Accepted for Publication

- Baumfeld JA, Golish SR, **Rubino LJ, Miller MD.** The effect of femoral tunnel starting position on tunnel length in anterior cruciate ligament reconstruction: A cadaveric study. *Arthroscopy.* Accepted 2007.
- Finnan RP, Siebuhr K, Herbenick MA, Prayson MJ.** An alternative direction to proximal locking in retrograde femoral nails. *Orthopedics.* Accepted 2007.
- Goswami T, Markert RJ, Anderson CG, Sundaram SS, Crosby LA.** Biomechanical evaluation of a pre-contoured clavicle plate. *Journal of Shoulder and Elbow Surgery.* Accepted February 2008.
- Herbenick MA, Gambardella R.** Revision anterior cruciate ligament reconstruction using a Milagro™ screw for malpositioned tunnels. *American Journal of Orthopedic Surgery.* Accepted August 2007.
- Herbenick MA, King J, Altobelli G, Nguyen B, Podesta L.** Injury patterns in professional arena football. *American Journal of Sports Medicine.* Accepted June 2007.

Presentations

- Crosby LA.** Case presentations: Shoulder arthroscopy. Presented at Advanced Techniques, American Academy of Orthopaedic Surgeons, Orthopaedic Learning Center, Rosemont, IL, July 2007.
- Crosby LA.** Shoulder arthroplasty. Presented at the Antioch Shriner's Club, Dayton, OH, September 2007.
- Crosby LA.** Shoulder examination. Presented at the Orthopaedic Resident Educators Lecture, Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH, September 2007.
- Crosby LA.** Complications in shoulder arthroplasty. Presented at Advances in Arthroplasty, Hilton Head, SC, October 2007.
- Crosby LA.** Equinoxe reverse shoulder design rationale. Presented at Advances in Arthroplasty, Hilton Head, SC, October 2007.
- Crosby LA.** Tetracycline labeling. Presented at the American Shoulder and Elbow Society Closed Meeting, Dallas, TX, October 2007.
- Crosby LA.** Reverse vs. hemiarthroplasty – indications. Presented at the 3rd Shoulder & Elbow Trauma Course, University of Patras, Patras, Greece, October 2007.
- Crosby LA.** Periprosthetic fractures of the humerus. Presented at the 3rd Shoulder & Elbow Trauma Course, University of Patras, Patras, Greece, October 2007.
- Crosby LA.** Visiting Professor. Department of Orthopaedic Surgery, University of Nebraska, Omaha, NE, December 2007.
- Crosby LA.** Complication of total shoulder arthroplasty. Presented at the Department of Orthopaedics, University of Colorado, Denver, CO, January 2008.
- Crosby LA.** ORIF, hemiarthroplasty or reverse total shoulder arthroplasty for proximal humerus fractures. Presented at the Department of Orthopaedics, University of Colorado, Denver, CO, January 2008.
- Crosby LA.** Reverse total shoulder arthroplasty: What is new? Presented at the Department of Orthopaedics, University of Colorado, Denver, CO, January 2008.
- Crosby LA.** Complications of total shoulder arthroplasty. Presented at the Department of Orthopaedics, Medical University of South Carolina, Charleston, SC, February 2008.
- Crosby LA.** Total shoulder arthroplasty. Presented at the Anita Moss Lectureship, Emphasis on Function, Upper Extremity Innovation Symposium, Cleveland Clinic Hospital, Cleveland, OH, April 2008.
- Crosby LA.** Reverse shoulder arthroplasty. Presented at the Anita Moss Lectureship, Emphasis on Function, Upper Extremity Innovation Symposium, Cleveland Clinic Hospital, Cleveland, OH, April 2008.
- Crosby LA, Finnán RP, Anderson CG, Gozdanovic J, Miller MW.** Tetracycline labeling as a measure of humeral head viability after three- or four-part proximal humerus fractures. Presented at the Mid-America Orthopaedic Association 26th Annual Meeting, Orlando, FL, April 2008.
- Crosby LA.** Co-Moderator at the First Plenary Session, Mid-America Orthopaedic Association 26th Annual Meeting, Orlando, FL, April 2008.
- Herbenick MA.** Evaluation and treatment of shoulder instability. Presented at the Middletown Regional Hospital Sports Medicine Symposium, Cincinnati, OH, June 2007.
- Konstantakos EK, Booth BA, Ahluwalia G, Kinzie M, Mistovich J, Laughlin RT.** Association of malleolar indices and foot types with foot and ankle injuries in college athletes. Presented at the American Orthopaedic Foot and Ankle Society Summer Meeting, Toronto, Canada, July 2007.
- Laughlin RT.** Principles of lower extremity amputation. Presented at the 3rd Annual Regional Orthotics & Prosthetics Course, Dayton, OH, March 2007.
- Laughlin RT.** Current concepts in below knee amputation surgery – **Keynote Speaker** at the Ohio Chapter American Academy of Orthotists and Prosthetists Annual Spring Technical Meeting, Columbus, OH, April 2007.
- Laughlin RT.** Overview of orthopaedic research and prospects for collaboration. Presented at the Wright State University Boonshoft School of Medicine Central Research Forum, Dayton, OH, October 2007.
- Laughlin RT.** Spanning external fixation in the lower extremity. Presented at Essentials of External Fixation, Dana Point, CA, November 2007.
- Laughlin RT.** Principles of lower extremity amputation. Presented at the 4th Annual Regional Orthotics & Prosthetics Course, Dayton, OH, March 2008.
- Lawless MW.** ACL reconstruction: Preventing complications. Presented at the Middletown Regional Hospital Sports Medicine Symposium, Cincinnati, OH, June 2007.
- Lawless MW.** Knee osteoarthritis. Presented at Physio Therapy, Dayton, OH, September 2007.
- Peters PG, Laughlin RT, Manternach AL, Markert RJ, Randall KL, Prayson MJ.** Time exposure to C-arm drape contamination. Presented at the Mid-America Orthopaedic Association 26th Annual Meeting, Orlando, FL, April 2008. **Recipient of the Carl L. Nelson, M.D. Physician in Training Award.**
- Prayson MJ.** Time-dependent contamination of opened sterile trays. Presented at the Miami Valley Hospital Resident Research Competition, Dayton, OH, April 2007. **2nd Place Award.**
- Prayson MJ.** Use of ultrasound bone stimulation in fresh fractures and nonunions/**Invited Lecturer.** Presented at the Local Orthopaedic Forum, Cincinnati, OH, August 2007.
- Prayson MJ.** Exogen Science Summit/**Course Faculty,** Phoenix, AZ, September 2007.
- Prayson MJ.** Orthopaedic Trauma Association's Annual Resident Course/**Faculty Instructor,** Boston, MA, October 2007.
- Prayson MJ.** Use of ultrasound bone stimulation in fresh fractures and nonunions/**Invited Lecturer.** Presented in New York, NY, November 2007.
- Prayson MJ.** Open fracture management. Presented at the Department of Anesthesiology Grand Rounds, Miami Valley Hospital, Dayton, OH, March 2008.
- Prayson MJ.** A survey of patient opinions regarding the use of reprocessed external fixation components. Presented at the Mid-America Orthopaedic Association 26th Annual Meeting, Orlando, FL, April 2008.
- Sensiba PR, Imbrogno B, Manternach AL, Griffith D, Prayson MJ.** The effects of MRI on surgical staples. Presented at the Mid-America Orthopaedic Association 26th Annual Meeting, Orlando, FL, April 2008.
- Prayson MJ.** Use of the Reamer-Irrigator-Aspirator for bone graft harvest: A mechanical comparison of three starting points in cadaveric femurs. Presented at the Ohio Orthopaedic Society 69th Annual Meeting, Columbus, OH, May 2008.
- Prayson MJ.** Interesting cases in orthopaedic trauma. Presented at Trauma Update, Dayton, OH, May 2008.
- Prayson MJ.** Pelvic ring injuries. Presented at the Department of Surgery Grand Rounds, Wright State University Boonshoft School of Medicine, Dayton, OH, May 2008.
- Prayson MJ.** Time of exposure to C-arm drape contamination. Presented at the American Orthopaedic Association/Canadian Orthopaedic Association Combined Annual Meeting, Quebec City, Canada, June 2008.
- Prayson MJ.** The effects of MRI on surgical staples. Presented at the American Orthopaedic Association/Canadian Orthopaedic Association Combined Annual Meeting, Quebec City, Canada, June 2008.
- Prayson MJ.** A biomechanical evaluation of cadaveric femurs after bone graft harvesting with the Reamer-Irrigator-Aspirator. Presented at the Orthopaedic Trauma Association 24th Annual Meeting, Denver, CO, October 2008.
- Prayson MJ.** Time of exposure to C-arm drape contamination. Presented at the American Academy of Orthopaedic Surgeons 76th Annual Meeting, Las Vegas, NV, February 2009.

Rubino LJ. The effect of plate position and size on tibial slope in high tibial osteotomy: A cadaveric study. Presented at the Ohio Orthopaedic Society 68th Annual Meeting, Cincinnati, OH, May 2007. **First place paper.**

Rubino LJ. The position of the femoral tunnel in arthroscopic ACL reconstruction is dependent on the placement of the tibial tunnel. Presented at the Ohio Orthopaedic Society 68th Annual Meeting, Cincinnati, OH, May 2007.

Rubino LJ. ACL injuries and reconstruction – graft choices. Presented at the Middletown Regional Hospital Sports Medicine Symposium, Cincinnati, OH, June 2007.

Sensiba PR, Venkatarayappa I, Dehoff C, Manternach AL, Laughlin RT, Binski J, Prayson MJ. A survey of patient opinions regarding the use of reprocessed external fixator components. Presented at the Limb Lengthening and Reconstruction Society Annual Meeting, Chicago, IL, July 2007.

Posters/Abstracts

Iossi MF, Crosby LA, Miller DL, Markert RJ, Goswami T. Modular humeral prosthesis dissociation: A biomechanical retrieval analysis. Poster presented at the Mid-America Orthopaedic Association 26th Annual Meeting, Orlando, FL, April 2008.

Janout M, Booth BA, Mistovich J, **Laughlin RT.** Fatty infiltration of the gastrocnemius and soleus after Achilles tendon lengthening. Poster presented at the American Orthopaedic Association 120th Annual Meeting, Asheville, NC, June 2007.

Janout M, Booth BA, Mistovich J, **Laughlin RT.** Fatty infiltration of the gastrocnemius and soleus after Achilles tendon lengthening. Poster presented at the Dayton Area Graduate Medical Education Consortium Central Research Forum, Dayton, OH, October 2007.

Konstantakos EK, Booth BA, Ahluwalia G, Kinzie M, Mistovich J, Laughlin RT. Association of malleolar indices and foot types with foot and ankle injuries in college athletes. Abstract printed in the *Proceedings of the AOFAS Summer Meeting*, 2007.

Peters PG, Laughlin RT, Manternach AL, Markert RJ, Randall KL, Prayson MJ. Time exposure to C-arm drape contamination. Abstract printed in the *Proceedings of the Mid-America Orthopaedic Association 26th Annual Meeting*, 2008.

Prayson MJ. Time of exposure to C-arm drape contamination. Poster presented at the American Academy of Orthopaedic Surgeons 75th Annual Meeting, San Francisco, CA, March 2008.

Prayson MJ. A survey of patient opinions regarding the use of reprocessed external fixation components. Poster presented at the American Orthopaedic Association and Canadian Orthopaedic Association Combined Annual Meeting, Quebec City, Canada, June 2008.

Prayson MJ. Time of exposure to C-arm drape contamination. Poster presented at the Orthopaedic Trauma Association 24th Annual Meeting, Denver, CO, October 2008.

Roche C, Flurin PH, Wright T, **Crosby LA, Hutchinson D, Zuckerman J.** Effect of varying screw configuration and bone density on reverse shoulder glenoid fixation following cyclic loading. Presented at the Orthopaedic Research Society Meeting, San Francisco, CA, March 2008.

Sensiba PR, Mariscalco M, Williams N, Laughlin RT. Radiographic analysis of the adult flatfoot deformity (Abstract #125). *Proceedings of the Mid-America Orthopaedic Association, 26th Annual Meeting*, 2008.

Sensiba PR, Venkatarayappa I, DeHoff C, Manternach AL, Laughlin RT, Binski J, Prayson MJ. A survey of patient opinion regarding the use of reprocessed external fixator components. Poster presented at the Orthopaedic Trauma Association Annual Meeting, Boston, MA, October 2007.

Sensiba PR, Venkatarayappa I, DeHoff C, Manternach AL, Laughlin RT, Binski J, Prayson MJ. A survey of patient opinion regarding the use of reprocessed external fixator components. Poster presented at the Dayton Area Graduate Medical Education Consortium Central Research Forum, Dayton, OH, October 2007.

Sensiba PR, Venkatarayappa I, DeHoff C, Manternach AL, Laughlin RT, Binski J, Prayson MJ. A survey of patient opinion regarding the use of reprocessed external fixator components. Abstract printed in the *Proceedings of the Orthopaedic Trauma Association 23rd Annual Meeting*, 2007; 287.

Awards/Honors

Laughlin RT, Prayson MJ. Nominated and awarded membership, American Orthopaedic Association, 2007.

Prayson MJ. Time-dependent contamination of opened sterile trays. Resident Research Competition/**2nd Place Award**, Miami Valley Hospital, April 2007.

Peters PG, Laughlin RT, Manternach A, Markert RJ, Randall KL, Prayson MJ. Time exposure to C-arm drape contamination. Research manuscript/**Carl L. Nelson, MD Physician in Training Award**, Mid-America Orthopaedic Association, April 2008 (**Chosen as one of top two studies presented**).

Prayson MJ, Finnian RP. Use of the Reamer-Irrigator-Aspirator for bone graft harvest: A mechanical comparison of three starting points in cadaveric femurs. Research Manuscript/**3rd Place Award**, Ohio Orthopaedic Society, May 2008.

Rubino LJ. The effect of plate position and size on tibial slope in high tibial osteotomy: A cadaveric study. Presented at the Ohio Orthopaedic Society 68th Annual Meeting, Cincinnati, OH, May 2007. Members' Research Paper Competition/**1st Place Award**.

Grants

Crosby LA. Exactech, Inc., Research Nursing Coordinator Grant

Laughlin RT. Regranex Research Grant

Laughlin RT. Zimmer Research Grant

Prayson MJ. DAGMEC Grant

Prayson MJ. Canica Research Grant

Prayson MJ. OTA Grant

Prayson MJ. Synthes Unrestricted Grant, submitted

Prayson MJ. Smith and Nephew Educational Grant

Prayson MJ. DAGMEC Grants

Research Projects in Progress

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.

Edwards K, **Herbenick MA, Rubino LJ.** Mechanical strength of two constructs for distal third clavicle fractures and coracoclavicular ligament disruptions.

Finnian RP, Herbenick MA, Prayson MJ. Case report and clinical outcome of pubic symphysis disruption with bladder extravasation.

Gorman M, **Herbenick MA, Limpisvasti O, Mohr K, ElAttrache N.** Assessment of lower extremity stability with a dynamic Trendelenberg test.

Gorman M, **Rubino LJ, Herbenick MA, Crosby LA.** Incidence of Restore® patch rejection reaction in rotator cuff repair augmentation.

Herbenick MA, Anloague P, Rubino LJ. Multifactorial assessment of the overhead athlete.

Herbenick MA, Crosby LA. Clinical outcomes of shoulder patients with greater tuberosity cysts on MRI.

Professional Activity cont.

Herbenick MA, Davis J, Greer B, **Rubino LJ**, Siskosky M. Multi-center clinical outcomes of suture bridge rotator cuff repair.

Herbenick MA, Edwards K, **Krishnamurthy A**. Anatomic capsular repair to prevent total hip dislocation: A motion sparing surgical technique.

Herbenick MA, Limpisvasti O, Mohr K, Aguinaldo A, ElAttrache N. Biomechanical effectiveness of the KJOC CAP Neuromuscular Training Program in youth female athletes.

Herbenick MA, **Rubino LJ**, Anloague P. Structural and functional outcomes of suture bridge rotator cuff repairs.

Herbenick MA, Sprott DC, Anloague P, **Lawless MW**. Assessment of knee range of motion using contralateral lower extremity anatomical landmarks.

Herbenick MA. Mechanical strength of lateral capsule and deep MCL repairs with a suture bridge technique.

Peters PG, **Rubino LJ**, **Herbenick MA**, **Lawless MW**, Anloague P. Inter-rater and Intra-rater reliability of hyperextension and maximal flexion: Analysis of visual estimation compared to radiographic measurements.

Prayson MJ. Analysis of direct fixation of marginally impacted pieces in posterior wall acetabulum fractures.

Prayson MJ. Analysis of the lateral condylar plate for distal humerus stabilization.

Prayson MJ. Biomechanical analysis of fracture risk in long vs. short hip nails.

Prayson MJ. Biomechanics of allograft after varying freeze-thaw cycles.

Prayson MJ. CLARITY

Prayson MJ. COAST (Collaboration for Outcome Assessment in Surgical Trials) BOFF (Blinding of Outcomes in Femoral Neck Fractures)

Prayson MJ. Comparison of different fixation methods for distal extraarticular tibia fractures.

Prayson MJ. Dynamic wound closure in traumatic extremity wounds.

Prayson MJ. External fixation reusage – survey of patient's perception on reusage.

Prayson MJ. FAITH (Fixation Using Alternative Implants for the Treatment of Hip Fractures)

Prayson MJ. Ion levels after insertion of trauma implants.

Prayson MJ. MRI scanning and staples.

Prayson MJ. Pain pumps use in isolated simple fractures.

Prayson MJ. Proximal humerus fractures – biomechanical analysis of plating alternatives in proximal humerus fractures.

Prayson MJ. Reamer-Irrigator-Aspirator.

Prayson MJ. Sterilization procedures – C-arm covers.

Prayson MJ. Supracondylar femur fractures – biomechanical analysis of locking screw placement.

Prayson MJ. Supracondylar femur fractures – effect of medial fragment stabilization on healing.

Prayson MJ. TRUST (Trial to Re-evaluate Ultrasound in the Treatment of Tibial Fractures)

Prayson MJ. Use of Aquacel with external fixation pin sites.

Spees V, **Herbenick MA**, Anloague P. Anatomic position of the suprascapular nerve as determined by ultrasound.

2008 Graduates



Gurpal S. (Jerry) Ahluwalia, M.D.

Education

B.S., Biology, Georgetown University, Washington, DC

M.D., Wright State University Boonshoft

School of Medicine, Dayton, OH

Research

Anatomic predictors of ankle instability in college athletes; Association of malleolar indices of foot types with foot and ankle injuries in college athletes; Historical evolution of knee implants; Subtalar dislocation following ankle fusion: A report of three cases.

Fellowship

San Diego Arthritis and Reconstructive Surgery Fellowship, San Diego, CA

Family

Married Sarah Bloomfield August 6, 2005.



David J. Dalstrom, M.D.

Education

B.S., Biology with Honors in Integrative Arts, Pennsylvania State University, State College, PA

M.D., The Ohio State University College of Medicine, Columbus, OH

Research

Biomechanical analysis of locking screw use and placement in diaphyseal fixation; Comparison of bicortical vs. unicortical locking screws: A biomechanical study; Diagnosis and management of extremity compartment syndromes: An orthopaedic perspective; Time-dependent contamination of opened sterile trays; Uniplanar external fixation for care of circumferential extremity burn wounds in adults.

Fellowship

Orthopaedic Trauma Fellowship, Department of Orthopaedic Surgery, Sports Medicine & Rehabilitation, Wright State University Boonshoft School of Medicine, Dayton, OH

Family

Married Meghann Nelles, M.D., June 14, 2003.



Nathan E. Williams, II, M.D.

Education

B.S., Biology, Southern Adventist University, Chattanooga, TN

M.D., Loma Linda University School of

Medicine, Loma Linda, CA

Research

Cultural analysis of VAC dressings: colonization and its impact on timing of dressing changes; Perioperative factors in knee range of motion following total knee arthroplasty; Radio-graphic measurements in the adult flatfoot: Assessment of inter- and intrarater reliability; Use of VAC dressings for fasciotomy incisions.

Fellowship

Adult Lower Extremity Reconstruction Surgery, Scripps Clinic, La Jolla, CA

Family

Married Melissa (Cole) Williams, M.D., November 9, 2003; daughter Abigail Cherry Williams born May 22, 2008.