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MESSAGE FROM THE CHAIR

—Lynn A. Crosby, M.D.

With the graduation of Dr. Michael A. Herbenick and Dr. L. Joseph Rubino III, the Wright State University Orthopaedic Surgery Residency Program moves to three residents per year. With this increase in the number of residents comes an increased responsibility for the faculty to provide education, as well as an opportunity for scholarly activity, during this training. There also comes a challenge to be able to provide the necessary funds required to send residents to review courses, tumor review, arthroscopy training, and the annual meeting. This year the annual golf tournament will provide an opportunity for orthopaedic related industry to donate to the educational fund. The department has invited Dr. Robert C. Arciero, professor and director of Sports Medicine at the University of Connecticut, to be our year-end visiting professor. There will be a research-related day on June 10 where selected residents will present their research. The following day will be devoted to a sports medicine symposium, moderated by Dr. Matthew W. Lawless. The department has invited local clinical faculty with expertise in sports medicine as well as alumni from throughout the country to return to Wright State. We're looking forward to this inaugural year-end event.

As we say goodbye to the graduating residents and welcome the incoming residents, it is always a time of mixed emotions. The department is continuing its commitment to provide the best educational experience possible with the resources we have available. The department looks forward to the future with much anticipation.



MESSAGE FROM THE PROGRAM DIRECTOR

—Richard T. Laughlin, M.D.



The 2004-2005 academic year has seen many of our previous proposals and ideas finally come to reality.

The increase in the number of residents has allowed us to move to a subspecialty-based rotation schedule. We now have a full-time trauma service, which includes an advanced practice nurse (Diane Kimpel, R.N.) and an orthopaedic physician assistant (Marilyn S. Palcic, P.A.C.) who facilitate and extend the residents' work. We now have full-time rotations in general orthopaedics, shoulder and elbow, knee and sports, foot and ankle, hand, pediatrics, and spine. We have maintained our rotation at the VA Medical Center with plans to have two full-time residents there next year.

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The increase in residents has eased our transition to the 80-hour work week mandated by the American Council for Graduate Medical Education (ACGME). Now our task is to ensure the residents maintain their high level of surgical experience that has been a hallmark of this program for years.

This past fall, our biomechanics laboratory at Miami Valley Hospital officially opened under the direction of Samuel A. Lippert, Ph.D. This site will provide an excellent venue for the residents to complete their research requirements. It also serves as a lab for bioengineering graduate students, creating a “win-win” situation for both of our departments.

As we look to the future, we will continue to build on the foundation laid over the past 30 years providing an orthopaedic training program that the community and university can be proud of.

Department Mourns Loss of Research Fellow

It is with great sorrow that the department announces the unexpected passing of Robert K. Mitchell, M.D., on September 4, 2004. Dr. Mitchell joined our department as research fellow in July 2003 and was in the midst of his second year of research. Dr. Lynn A. Crosby, department professor and chair, says, “Robert will be missed by us all. The department faculty was looking forward to him joining the residency program in 2005. Our thoughts and prayers go out to his family.” Dr. Mitchell’s family wrote the following



for his memorial service:

“Robert (Sonny) Kwesi Mitchell was born to Mr. Murray Norbert Mitchell and Mrs. Emma Mitchell on January 4, 1976, in Tema, Ghana. Rob was the brother of Archie, John, Mike, and Efua.

From an early age, Rob was very ambitious, disciplined, and loved God. These qualities characterized the manner in which he lived his life. He attended the Tema Parents Association Primary School, where he was always at the top of his class. He excelled in his Common Entrance Examinations and attended the Achimota Secondary School where he was the Evening Study Hall Senior Prefect. He was successful in both his O and A level exams. To further stratify his achievements, Rob attained the second highest grade in Ghana on his A level exams.

In the summer of 1995, Rob moved to the United States and attended the University of Arizona, majoring in biochemistry. After three years of undergraduate study, Rob took the Medical College Aptitude Test (MCAT) one year ahead of schedule, and was accepted to the Howard University College of Medicine in 1998. He graduated from medical school

in May 2002 with an award as the “Most Outstanding Student Researcher.” After graduation, Rob completed a year of general surgery residency at Howard University Hospital. At the time of his passing, Rob was in the second year of his orthopaedic research fellowship at Miami Valley Hospital in Dayton, Ohio. Rob was fully expected to be admitted into the Orthopaedic Residency Program next year, which would have enabled him to fulfill his lifelong dream of becoming an orthopaedic surgeon.

The most outstanding characteristic about Rob was the way he loved. He loved to laugh, he loved life, and he loved his family and friends deeply. Most of all, Rob loved God. He lived for God and there was not a day that he did not mention God. Let us take comfort in the fact the he is with God rejoicing in heaven. Though we will miss him greatly, we must always carry in our hearts his smile, his light hearted spirit, his joy, and his love for God and people.”

Alumni Dale Snead, M.D., in the News

Dale Snead, M.D., ('91), is the team physician for Warren Central High School in Indiana; Purdue University; University of Indianapolis; and the Indiana Firebirds arena football team. Dr. Snead says he volunteers because he has a passion for athletics and for seeing young people grow and succeed—both in athletics and in life. As an orthopaedist, his goal is to be an expert in his field. “I love orthopaedics, and I want to be the best—just like most athletes work hard to be their best,” he says. “As a volunteer physician, the players look at me in



2004 Capitol One Bowl in Orlando, FL—Purdue vs. Georgia. Starting quarterback Kyle Orton dislocates his left thumb during the game and is assisted by Dale Snead, M.D. Photo by Thomas Campbell.

a different way. They know I take time away from my family to help them. This makes them want to work harder to get better, because they know I am there to help them get back on the field and accomplish their goals. There is a great deal of information that can be translated from sports-related orthopaedics to a variety of everyday patient needs. For most people their careers as athletes are short. However, the translation of orthopaedic care can be effectively applied to that of anyone, from weekend warriors to businessmen and women.”

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ADDITIONS TO OUR DEPARTMENT

Branyan A. Booth, M.D.

Along with a minor in women's studies, Branyan A. Booth, M.D., received her Bachelor of Arts in Molecular, Cellular, and Developmental Biology and Biochemistry, graduating *magna cum laude* from the University of Colorado at Boulder. After completing her honors thesis on "Sequencing the 50/20k Junction Region of the Mouse Adult Skeletal Myosin Heavy Chain Isoform IId/x Gene," under the direction of Leslie A. Leinwand, Ph.D., Dr. Booth earned her Doctor of Medicine from The Ohio State University College of Medicine and Public Health. Dr. Booth graduated with honors in pediatric orthopaedic surgery.

Dr. Booth joined our department in October 2004 and has been actively involved in conducting and coordinating the numerous department research projects in progress, including those led by Dr. Laughlin and Dr. Lawless. In addition, she has been working to organize and maintain the department's research files and documentation that continue to grow as the number of department research projects continues to rapidly increase.

During her education at the University of Colorado, Dr. Booth volunteered at The People's Clinic of Boulder. While at Ohio State, she served on the Columbus Free Clinic Steering Committee where she also served as a volunteer.

Samuel Lippert, Ph.D.

Dr. Lippert joined the Wright State University Department of Biomedical, Industrial, and Human Factors Engineering in January 2004. He received his Bachelor of Science degree in Mechanical Engineering from the Massachusetts Institute of Technology in June 1992. After graduating, he spent seven years in the automotive industry working for a total of three major automotive electrical suppliers, where he designed plastic components for electrical systems, some of which resulted in U.S. patents. Feeling unfulfilled in his job, he returned to school at Wayne State University in Detroit, Michigan, receiving his M.S. and Ph.D. in biomedical engineering (in 2001 and 2002 respectively).

After completing his Ph.D. work, Dr. Lippert spent one year in a post-doctoral position at Wayne State, during which time he taught Introductory Biology at Henry Ford Community College in Dearborn, Michigan. In September 2003 he began a faculty position in the Department of Mechanical and Manufacturing Engineering at St. Cloud State University in St. Cloud, Minnesota. Dr. Lippert's current appointment is joint with the Department of Orthopaedic Surgery, and as such, includes lecturing to orthopaedic residents on orthopaedic

biomechanics and supervising resident research projects. If Dr. Lippert is not in his office or lab in the Russ Engineering Center, you will likely find him in his office in the Miami Valley Hospital.

Along with orthopaedic biomechanics, Dr. Lippert's research interests are in the areas of soft tissue biomechanics, cellular biomechanics, molecular biomechanics, and biomedical device design.

Michael J. Prayson, M.D.

In April 2004 we welcomed Associate Professor Michael J. Prayson, M.D., into the Department of Orthopaedic Surgery. A graduate of Kent State University, Dr. Prayson earned a combined Bachelor of Science/Doctor of Medicine degree from Northeastern Ohio Universities College of Medicine. Upon finishing his orthopaedic surgery internship and residency training at Akron General Medical Center, Dr. Prayson completed a fellowship in orthopaedic traumatology at the University of Pittsburgh Medical Center.

After his training, Dr. Prayson joined the Department of Orthopaedic Surgery at the University of Missouri in Kansas City as an assistant professor. He subsequently served as assistant professor at Akron General and then returned to Pittsburgh before joining us here in Dayton.

In addition to sharing the large number of trauma cases, Dr. Prayson also assumed the role of director of Orthopaedic Trauma and director of the Orthopaedic Medical/Surgical Clinic for Miami Valley Hospital and director of Orthopaedic Undergraduate Education for our department. He has worked to secure a dedicated orthopaedic trauma surgery room at Miami Valley and is working to develop an orthopaedic trauma fellowship.

Dr. Prayson maintains memberships in the Alpha Omega Alpha Medical Honor Society and the Orthopaedic Trauma Association. He is a faculty member of AO/ASIF and a fellow of the AAOS.

A dedicated researcher, Dr. Prayson has published a number of peer-reviewed and non-peer-reviewed articles, as well as a chapter on pelvic fractures in *The Trauma Manual, 2nd Edition* (Peitzman, Rhodes, Schwab, Yealy, and Fabian: Eds). His current research interests and projects include supracondylar femur fractures, pelvis fractures, compartment syndrome, open fractures, bone grafting in orthopaedic trauma, gene therapy, tibial non-unions, biomechanical evaluation of locking plate systems, tibial fractures-open reduction, VAC dressing usage in orthopaedics, and hip fractures and nailing procedures.

Dr. Prayson's wife, Elizabeth A. Eaton, M.D., joined Miami Valley's Emergency Medicine Department when they arrived in Dayton. They are the proud parents of Elise (11), Michelle (8), and Eric (6).



Corey B. Russell, D.P.M., Joins Foot and Ankle Service

The influx of patients seeing Dr. Richard T. Laughlin on his foot and ankle service created the need for a podiatrist to assist in managing the workload. In December of 2003, Corey B. Russell, D.P.M., joined Dr. Richard T. Laughlin on the foot and ankle service with University Orthopaedics and Sports Medicine.



Dr. Russell received a bachelor of science in biology from the University of Cincinnati before earning his Doctor of Podiatric Medicine degree from the Ohio College of Podiatric Medicine in Cleveland.

After completing his three-year surgical residency at Millcreek Community Hospital in Erie, Pennsylvania, Dr. Russell worked in a private practice in the Dayton area, as well as running a part-time practice he purchased in Lebanon, Ohio. Dr. Russell is on staff at most area hospitals and is awaiting credentialing from the VA Medical Center to work with the podiatry residency and their foot and ankle service. He is board certified in foot surgery by the American Board of Podiatric Surgery and is a fellow of the American College of Foot and Ankle Surgeons.

Marilyn S. Palcic, P.A.C.

Upon receiving her Bachelor of Science in Biology from Wright State University, Marilyn S. Palcic, P.A.C., began her training in the physician assistant program at the Kettering College of Medical Arts associated with Kettering Medical Center. Marilyn joined our department in July 2003, following a two-month rotation in our department and completing her certification.



Marilyn's duties include assisting our faculty and residents in surgery, patient appointments in the private office, and follow-up inpatient care. She also works with our indigent care fracture and hand clinics and is actively involved in a number of department research projects.

Prior to her studies at Wright State, Marilyn worked for the State of Ohio Bureau of Workers' Compensation and volunteered in the emergency room at Kettering Medical Center.

VISITING PROFESSORS

Eric Truumees, M.D. (November 2003)

"Treatment Options for Osteoporotic Compression Fractures" launched the fall 2003 meeting of the Dayton Orthopaedic Society with visiting professor Eric Truumees, M.D., on November 18, 2003. Dr. Truumees, clinical director

of the Harold W. Gehring Center for Biomechanical Research and Implant Retrieval at William Beaumont Hospital in Royal Oak, Michigan, then presented "Indicators and Techniques for Thoracic Corpectomy" at Grand Rounds the next day.

Dr. Truumees also serves as adjunct faculty for the Bioengineering Center at Wayne State University in Detroit and as an attending surgeon in the Department of Orthopaedic Surgery at William Beaumont Hospital.

A graduate of the University of Virginia, where he received a Bachelor of Arts studying biology and religious studies, Dr. Truumees earned his Doctor of Medicine from the University of Virginia School of Medicine in Charlottesville. He completed additional coursework at Harvard University and George Mason University. After completing his orthopaedic surgery residency at the Cleveland Clinic Foundation, Dr. Truumees was awarded the spinal surgery fellowship under the direction of Dr. Harry Herkowitz at William Beaumont Hospital. Dr. Truumees has numerous publications and presentations to his credit as a result of his extensive spine-related research.



William Kibler, M.D. (April 2004)

The April 2004 Dayton Orthopaedic Society meeting featured William Kibler, M.D., who presented "The Role of the Scapula in Shoulder Function" and "The Scientific Basis for Shoulder Rehabilitation" at Grand Rounds to a group of faculty, attending physicians, and residents in both orthopaedic surgery and physical therapy.

Dr. Kibler received the Justin Potter Merit Scholarship at Vanderbilt University, where he earned his Doctor of Medicine before beginning a surgery internship at Parkland Hospital in Dallas. After completing his orthopaedic surgery residency training at Vanderbilt, Dr. Kibler pursued a fellowship at Vanderbilt's Neuromuscular Disease Research Center. Dr. Kibler currently serves as medical director of the Lexington Sports Medicine Center and as associate clinical professor in the Departments of Family Practice and Physical Medicine at the University of Kentucky Medical School. He is a member of a variety of orthopaedic and sports medicine organizations and committees, and serves as team physician for a number of Kentucky sports teams.

Dr. Kibler's current research centers around muscle activation patterns, knee joint forces, scapular dyskinesis, and superior glenoid labral tears. He has a great number of publications and presentations to his credit based on his extensive research.



Brian D. Adams, M.D. (October 2004)

Brian D. Adams, M.D., professor in the Department of Orthopaedic Surgery at the University of Iowa College of Medicine, presented his research, "Total Wrist Arthroplasty—Are We Finally There?" at the fall 2004 meeting of the Dayton Orthopaedic Society. Dr. Adams then presented "Management of Severe Wrist Arthritis" at the department's Grand Rounds the next morning.



After receiving his Doctor of Medicine from the University of Nebraska at Omaha, Dr. Adams began his residency training at Creighton University in Omaha, and completed it at the University of Iowa College of Medicine in Iowa City. Fellowship trained in hand and microsurgery at Loma Linda University of California, Dr. Adams maintains his Certificate of Added Qualifications in Hand Surgery. He earned his first academic appointment in the Department of Orthopaedic Surgery at the University of Arkansas upon the completion of his residency training. He went on to serve in the Department of Orthopaedics and Rehabilitation at the University of Vermont before returning to the University of Iowa, where he also serves as an attending physician at the University of Iowa Hospitals and Clinics and the VA Hospital in Iowa City.

Dr. Adams' vast experience in orthopaedic surgery centers around research in total wrist arthroplasty, the distal radioulnar joint, implant arthroplasty for finger joints, functional motion analysis of wrist and fingers, distal radius fractures, and flexor tendon repair. His research has produced a great number of publications and presentations while maintaining a full load of current research projects. Dr. Adams belongs to a number of orthopaedic organizations and has served as reviewer and editor for a number of industry journals.

Joshua J. Jacobs, M.D. (April 2005)

Joshua J. Jacobs, M.D., presented "Frontiers in Joint Replacement" at the April 2005 Dayton Orthopaedic Society meeting, followed by "Systemic Implications of Total Joint Replacement" at Grand Rounds.

Dr. Jacobs currently serves at Rush Medical College as associate dean for research and development, as well as associate chairman for academic programs and Inaugural Crown Family Professor in the Department of Orthopaedic Surgery. In addition, Dr. Jacobs is senior attending physician at Rush-Presbyterian-St. Luke's Medical Center and an adjunct professor in the Department of Civil and Environmental Engineering at McCormick Technological Institute.

After earning a Bachelor of Science in Materials Science and Engineering with distinction from Northwestern University, Dr. Jacobs received his Doctor of Medicine from the University of Illinois College of Medicine. He started his residency training with the University of Illinois/Cook County

Hospital Combined Program in Surgery and completed his training with the Combined Harvard Orthopedic Surgery Program. After fulfilling his chief resident year in orthopedic surgery at Massachusetts General Hospital, Dr. Jacobs completed a fellowship in joint replacement surgery at Rush-Presbyterian-St. Luke's Medical Center.



Dr. Jacobs serves as reviewer and editor of several industry journals, in addition to having served as co-editor (with Thomas L. Craig) on *Alternative Bearing Surfaces in Total Joint Replacement* and section editor for Biomaterials on the AAOS CD-ROM "The Arthritic Knee." He has been awarded numerous honors while maintaining involvement in a variety of medical and orthopaedic societies. Dr. Jacobs' extensive research and experience in total joint replacement has culminated in 127 peer-reviewed manuscripts (25 non-peer reviewed). He has published 26 book chapters and 263 abstracts, as well as 12 additional publications in various forms. In the area of presentations, Dr. Jacobs has given 28 local, 30 regional, 92 national, and 13 international. He has served as moderator or chairman for 51 scientific sessions, and has been an invited speaker at 116 local, 19 regional, 139 national, and 41 international events.

DAYTON ORTHOPEDIC MEDICAL FUND CONTRIBUTIONS

Thank you to all those who made tax-deductible cash contributions to the Dayton Orthopedic Medical Fund, a fund established to assist our residents in their training and education. All donations listed were made between April 2003 and April 2005.

Sanofi Aventis	Mid-America Orthopaedic Association
Michael J. Bereda/Depuy	Mark Monfort/Zimmer
Thomas W. Blank/Synthes	Chris O'Donnell/Buckeye State Medical
Matt Bloemer/Pfizer	Orthopaedic Research and Education Foundation (OREF)
Boehringer Ingelheim Pharmaceuticals	Chris Pohl/Biomet, Inc.
Sara Boganwright/Zimmer Rowland	Joe E. Richardson, Jr./Biomet, Inc.
Scott Cohen/Synthes	Lori Robson/Aventis
Laura Fazio/Aventis	Julie Roy/Pfizer
Beth Gochenouer/Ortho-McNeil	Marcia Rudzinski/Ortho-McNeil
Kyle Grilliot/Osteonics	Matthew D. Schatzke/Zimmer
Candace Hargrove/K-Med, Inc.	Matthew W. Smith/Smith & Nephew
Mark Horowitz/Orpro, Inc.	Mike Sell/Synthes Spine SpectraCare, Inc.
J. Jarrod Keely/Zimmer	Pam Vice/KCI
Chris J. Lieswyn/Pfizer	
Linda Lopez/Pfizer	
Linda Lopez/Pharmacia	
Casey M. Mayo/Zimmer	
Mercy Health Partners	

AWARDS

Dr. Herbenick Receives Awards for His Work



Dr. Michael Herbenick has received several awards for his work on “The Effects of a Cyclooxygenase-2 Inhibitor on Fracture Healing in a Rat Model.” The most recent awards include First Place, Trauma Category, at the American Academy of Orthopaedic Surgeons Annual Meeting held in San Francisco, in March 2004; and First Place in the MVH Resident Research Paper Contest in May 2004. 2002-03 Research Fellow Dr. Dominic Sprott assisted Dr. Herbenick, while Dr. Harold Stills Jr., director of Laboratory Animal Resources at Wright State University, and Dr. Matthew Lawless, assistant professor, served as faculty advisors for the study. Dr. Herbenick’s project was funded by a \$10,000 Wright State University School of Medicine Seed Grant and a \$2,500 Dayton Area Graduate Medical Education Consortium (DAGMEC) Grant.

Dr. Herbenick also received Second Place, Research Category, at the Sixth Annual DAGMEC Resident Research Forum held in April 2005 for his poster on “Dislocation Rate Following Primary Total Hip Arthroplasty with a Posterolateral Approach and Capsular Repair.” Dr. Anil Krishnamurthy has served as faculty advisor for the study. The findings of this study were presented at the Mid-America Orthopaedic Association Annual Meeting in Palm Springs, California, in April 2004.

To round out the honors, Dr. Herbenick was selected as one of only 59 residents to attend the Second Annual American Orthopaedic Association-Orthopaedic Research and Education Foundation-Zimmer Resident Leadership Forum held in June 2004 during the 117th Annual AOA Meeting in Boston. Following the forum, Dr. Herbenick was nominated to the AOA Future Leaders in Orthopaedic Surgery. The Resident Leadership Forum is intended to identify young orthopaedic leaders by recognizing their accomplishments. The purpose is to further develop their leadership skills and to provide peer-to-peer and resident-to-leader interaction. It is hoped the attendees develop a new sense of responsibility to the orthopaedic community and gain access to a community of leaders.

Our department was again honored by having another resident, Dr. Martin Janout, chosen to attend the Third Annual AOA-OREF-Zimmer Resident Leadership Forum to be held in Huntington Beach, California, in June of this year.

Dr. Grisoni Wins DAGMEC Award

Dr. Nicolas E. Grisoni tied for the second place award for his poster entry, “Simultaneous Bilateral Hip Fractures in a Level I Trauma Center,” at the Fifth Annual DAGMEC Resident Research Forum in April 2004.

The purpose of the forum is to “give residents and fellows an opportunity to present their research and scholarly work in poster format, and to receive feedback on their activities; to expand medical education experiences through scholarly interactions with physicians, scientists, residents and students; and to stimulate potential research collaboration.”

Dr. Rubino Awarded the J. Albert Key, M.D., Physician in Training Award

Dr. Rubino was awarded the J. Albert Key, M.D., Physician in Training Award for his research on “The Effect of Rotator Cuff Repair with Restore Patch on the Progression of Fatty Infiltration in a Rabbit Model.” Dr. Rubino presented his research in April 2004 at the 22nd Annual Mid-America Orthopaedic Association Meeting in La Quinta, California, where he was selected to receive the award. The study was funded by DePuy Orthopaedics, a Wright State University School of Medicine Seed Grant, and a DAGMEC Grant. Dr. Lynn Crosby, professor and chair, and Dr. Harold Stills Jr., director of Laboratory Animal Resources at Wright State University served as faculty advisors. 2002-2003 Research Fellow Dr. Dominic Sprott assisted on the study.



Additionally, Dr. Rubino was nominated and qualified as a finalist for the Wright State Academy of Medicine Outstanding Resident Award. Recipients are judged on academic scholarship completed during the previous year. The Academy of Medicine was founded in 1977 and supports medical education by providing student loans and recognizing student and faculty achievement.

Drs. McDonough and Rubino Receive Travel Grant

Each year, the Mid-America Orthopaedic Association (MAOA) selects 11 senior residents or fellows to receive an education grant to attend the annual MAOA meeting. Drs. Barry McDonough and L. Joseph Rubino each received a travel grant to attend the 22nd Annual Meeting held in La Quinta, California, in April 2004. At the meeting Dr. McDonough presented his work on “Radiographic Measurements in the Adult Flatfoot: Assessment of Reliability.” Dr. McDonough’s research was performed under the direction of Dr. Richard Laughlin, associate professor, with the assistance of Dr. Aaron Buerk, 2003 graduate, and Dr. Marlo Oyster, 2003



Photo courtesy of Mid-America Orthopaedic Association.

Wright State University medical school graduate. Dr. Rubino presented his research on “The Effect of Rotator Cuff Repair with Restore Patch on the Progression of Fatty Infiltration in a Rabbit Model.” The travel grants, each worth \$2,000, are funded by DePuy, Smith & Nephew, Southwood Pharmaceuticals Inc., Stryker Howmedica Osteonics, Synthes, and Wright Medical Technology.

Drs. Dalstrom and Williams Receive Synthes Educational Grant

Drs. David Dalstrom and Nathan Williams were each awarded a Synthes Educational Grant to attend the AO-ASIF (Association for the Study of Internal Fixation) Basic Principles and Techniques of Operative Fracture Management Course for Residents held in Columbus in July 2003. Each year, the first year residents attend the fracture management course put on by the AO-ASIF, a non-profit surgeon-driven organization dedicated to progress in research, development, and education in the field of trauma and corrective surgery.

Drs. Janout, Shuster, and Sensiba Receive DAGMEC Research Grants

Each year DAGMEC holds two Resident and Fellow Research Support Grant competitions, one in the fall and one in the spring. Dr. Christopher Anderson received \$1,500 for his work on “Humeral Head Avascular Necrosis After Three and Four Part Proximal Humerous Fracture” in the spring 2003 competition. Dr. Lynn Crosby, professor and chair, is Dr. Anderson’s faculty advisor.

Three out of the five awards over the past year and a half have gone to orthopaedic surgery residents. Dr. Martin Janout was awarded \$1,500 in the spring 2004 competition to pursue his research study “Fatty Infiltration of Gastrocnemius and Soleus Muscles following Achilles Tendon Lengthening.” Dr. Richard Laughlin, associate professor, is the faculty advisor

for the study, and Dr. Branyan Booth, research fellow, is assisting Dr. Janout.

In the spring 2005 competition, Drs. David Shuster and Paul Sensiba each received a \$1,500 grant. Under the direction of Dr. Lynn Crosby, professor and chair, Dr. Shuster will study “Denervation as a Cause of Subscapularis Weakness after Total Shoulder Arthroplasty.” Dr. Matthew Lawless, assistant professor, will advise Dr. Sensiba on his study, “Fatty Infiltration of the Hamstring Musculature Following Tendon Harvesting in a Rabbit Model.”

Dr. Laughlin Collaborates with Biomedical Engineering Department to Receive Grant

Dr. Richard Laughlin, associate professor, and Dr. Ping He, professor in the Department of Biomedical, Industrial and Human Factors Engineering, were awarded a Wright State University School of Medicine 2005 Seed Grant for \$4,700 to help fund the study “A Biomechanical Study of the Modified Ertl BKA (Below Knee Amputation) using Finite Element Model.” The study is a unique opportunity to assess the results of an orthopaedic surgical technique using computer modeling. The computer modeling will be based on actual CT data of BKA patients. The purpose of the modeling is to assess the stability of the lower leg bones after an amputation. Dr. He has been a Wright State faculty member since 1985. He teaches at the undergraduate and graduate level, and his research interests include ultrasound tissue characterization, medical imaging, biological signal processing, bioinstrumentation, and rehabilitation engineering.



Dr. Gorman Chosen as Resident Representative to the GMEC Committee

Dr. Matthew Gorman has been selected to serve as the 2004-2005 orthopaedic resident representative on the DAGMEC Graduate Medical Education Committee. DAGMEC’s purpose is to provide a system-wide coordination of graduate medical education for the area teaching hospitals and residency programs. Each year, one resident from each department is chosen to serve on the committee. As a member of the committee, Dr. Gorman will be responsible for recommending to the DAGMEC Board of Trustees policies and procedures that meet the institutional requirements of the Accreditation Council of Graduate Medical Education and the Liaison Committee on Medical Education.



GRADUATES

Damian M. Andrisani, M.D. (2004)

It was the intricate relationship among orthopaedics, biomechanics, and physics that first drew Damian M. Andrisani, M.D., to the field of orthopaedic surgery. He quickly discovered the tangible results that are possible through orthopaedic surgery to help patients who are motivated to resume or attain a greater level of activity.



A native of Delaware, Dr. Andrisani studied economics and pre-medicine at the University of Richmond in Virginia. After earning a bachelor of arts in liberal studies

from the University of Delaware in Newark, he spent five weeks in London, England, studying the economics of the U.S. and British health care systems. Along with several honors, Dr. Andrisani received his doctor of medicine from Jefferson Medical College of Thomas Jefferson University in Philadelphia. As a University of Delaware sophomore, Dr. Andrisani was accepted into the Medical Honors Program at Jefferson.

During his residency training, Dr. Andrisani studied the angles of the anteromedial and posterolateral calcaneal facet, hallux rigidus, and turf toe under Dr. Laughlin's direction. He studied total knee replacement outcomes with Dr. Krishnamurthy at the VA Medical Center and PCL injuries with Dr. Lawless. His honors include being named finalist for Miami Valley Hospital's Resident of the Year Award and receiving the Aventis Orthopaedic Surgery Resident Scholarship. Additional areas of research interest include the preservation of native articular surfaces and biomechanics of the throwing shoulder. Dr. Andrisani was also selected to attend the inaugural meeting of the AOA/OREF/Zimmer Resident Leadership Forum for PGY-4 residents. In his spare time, Dr. Andrisani provided training room coverage for the University of Dayton and Alter High School, and provided game coverage for the University of Dayton football, Alter High School football, and Dayton Dragons baseball teams.

Upon completion of his residency training, Dr. Andrisani was awarded a sports medicine fellowship at Thomas Jefferson University in Philadelphia under the supervision of John McShane, M.D. On March 22, 2005, Dr. Andrisani and his wife Jennifer welcomed their first child, Paul Thomas Roberto Andrisani.

Edward B. McDonough Jr., M.D. (2004)

His love of football and his interest in the hands-on and diverse nature of this field led Dr. Barry McDonough into career of orthopaedic surgery with an eye on sports medicine.

Born and raised in Illinois, Dr. McDonough received his bachelor of science from Benedictine University in Lisle, Illinois, before heading to Loyola University of Chicago Stritch

School of Medicine to earn his doctor of medicine. He was awarded the Coca-Cola Leadership Scholarship as well as the John J. Havelik Award.

While juggling his educational pursuits in Illinois, Dr. McDonough worked as a medical assistant at Midwest Sports and Orthopaedic Surgery. He volunteered with STEPS (Students Teaching Pediatric Students), tutoring pediatric inpatients to help them keep up with their class work during their hospital stay. He also served as student team physician for the Benedictine University and St. Viator High School football teams.



His research activities during his residency training with our program included periprosthetic fractures of the humerus and intraoperative fractures of the humeral shaft under the direction of Dr. Lynn Crosby. Dr. McDonough studied osteonecrosis of the patella following total knee arthroplasty, cryptococcal arthritis in an immunocompetent host, and total knee arthroplasty in a below knee amputation patient with Dr. Anil B. Krishnamurthy. Dr. McDonough and fellow resident, Dr. Andrisani, applied for and secured a \$2,500 Resident Journal Club grant from the Orthopaedic Research and Education Foundation (OREF). During his spare time, Dr. McDonough served as resident team physician for the University of Dayton and Alter High School varsity football teams.

Dr. McDonough and his wife Kendryn welcomed Edward Connor McDonough on November 21, 2002. Upon completion of his residency training, Dr. McDonough relocated his family to Michigan where he was awarded a sports medicine fellowship under the direction of Robert J. Baker, M.D., Ph.D., at Michigan State University in East Lansing.

Michael A. Herbenick, M.D. (2005)

The creative and practical approaches to problem solving developed while working side by side with his father from a young age instilled in Michael A. Herbenick, M.D., a desire to combine his interest in medicine with an active form of patient care and an eye on medical education. Combining his education and training with his love of sports has directed Dr. Herbenick into the field of sports medicine.

A life-long Dayton resident, Dr. Herbenick began his undergraduate education at the University of Dayton, receiving a Bachelor of Science in Biology and graduating *magna cum laude*. During medical school, Dr. Herbenick conducted research under Dr. Richard T. Laughlin in the outcome of retrograde vs. anterograde femur nailing, in addition to working with Dr. James Lehner to



discern the usefulness and application of diskogram in clinical practice. He also participated in producing an educational tool in CD format, "Pathogenic Puzzles," with Dr. Stuart Nelson.

After earning a doctor of medicine from Wright State University School of Medicine, Dr. Herbenick was accepted into Wright State's Orthopaedic Surgery Residency Program. His basic science research collaboration with Dr. Lawless on the effects of a cyclooxygenase-2 inhibitor on fracture healing in a rat model received awards that included a first place (tie) at the 2003 DAGMEC Resident Research Forum, first place at the 2003 Ohio Orthopaedic Society's Zimmer Resident's Paper Contest, and first place (trauma category) at the 2004 AAOS meeting. He was also selected to attend the 2004 AOA-OREF-Zimmer Resident Leadership Forum in Boston. Dr. Herbenick also has done a great deal of work—with Dr. Rubino—to arrange the department's annual golf outing, which has always enjoyed great success.

As Dr. Herbenick looks to the future, he and his wife, Mary Herbenick, will be moving to Los Angeles, where he will begin a sports medicine fellowship at the Kerlan-Jobe Orthopaedic Clinic.

L. Joseph Rubino III, M.D.

The mechanics involved in procedures, the reward of restoring a patient's functionality, and the balance of diagnostic and operative skills required led L. Joseph Rubino III, M.D., into the field of orthopaedic surgery. Dr. Rubino earned a Bachelor of Science in Marketing and Sociology from Villanova University in Pennsylvania before heading to the University of Maryland in College Park for pre-medical studies, where he completed a one-year Intramural Research Training Award Fellowship with the National



Institutes of Health for training in bench work and its application to clinical medicine. After receiving his Doctor of Medicine from Georgetown University School of Medicine in Washington, D.C., Dr. Rubino completed a preliminary surgery internship in the University of Virginia Health System and then headed to Wright State for his orthopaedic surgery residency training.

During his training at Wright State, Dr. Rubino has done extensive research on fatty infiltration of the rotator cuff in a rabbit model. This research has culminated in a number of published abstracts and presentations. Dr. Rubino served on Wright State's Laboratory Animal Care and Use Committee, was elected into the Alpha Omega Alpha Medical Honor Society, and received the J. Albert Key, M.D., Physician in Training Award from the Mid-America Orthopaedic Association Society of which he is a candidate member. His research

with Dr. Crosby on subluxation of the sternoclavicular joint was published in *The Journal of Bone and Joint Surgery*, and his collaboration with Dr. Lawless on clavicle fractures was published on www.emedicine.com. Dr. Rubino has actively pursued and assisted the department in receiving several well-funded research grants for the fatty infiltration of the rotator cuff studies. Along with fellow graduate Dr. Herbenick, Dr. Rubino has done a superb job of coordinating the department's annual golf outing.

After graduation, Dr. Rubino will move his family to Charlottesville, Virginia, where he begins a sports medicine fellowship with the University of Virginia.

2004 GOLF TOURNAMENT

Drs. Mike Herbenick and Joe Rubino did an outstanding job putting together the 2004 golf outing held once again at the Moss Creek Golf Course in Trotwood, Ohio. Many Dayton area orthopaedic surgeons and faculty as well as residents and sales representatives participated.

We extend our appreciation to the following participants and their companies for their generous donations:

Tom Blank, Synthes
Sara Boganwright, Zimmer Rowland
Scott Cohen, Synthes
J. Jarrod Keely, Zimmer
Chris J. Lieswyn, Pfizer
Casey Mayo, Zimmer
Chris Pohl, Biomet Inc.
Joe E. Richardson Jr., Biomet Inc.
Matthew W. Smith, Smith & Nephew

This year's golf outing has been designed as part of an expanded graduation celebration, scientific symposium, and alumni meeting to be held Friday and Saturday, June 10 and 11, 2005. Scheduled speakers include Damian Andrisani, M.D., (2004), Matthew W. Lawless, M.D., (2001), Frank P. Mannarino, M.D., Edward B. McDonough, M.D., (2004), David A. Porter, M.D., (1995), Timothy P. Quinn, M.D., and Dale S. Snead, M.D., (1998). Robert A. Arciero, M.D., is the scheduled guest speaker at Saturday's Sports Symposium to be held at Miami Valley Hospital.

2004 GRADUATION CELEBRATION



On June 26, 2004, the Department of Orthopaedic Surgery faculty, residents, staff and their families gathered at the Dayton Racquet Club to honor Damian M. Andrisani, M.D., and E. Barry McDonough, M.D., at their graduation ceremony.



During the ceremony, annual department awards were distributed. Dr. Richard T. Laughlin awarded the department's Golden Crutch to Dr. Anil B. Krishnamurthy for his outstanding performance



as an orthopaedic surgery preceptor for third year medical students. Incoming intern, Dr. Karl F. Siebuhr received the Orthopaedic Surgery Clerkship Award recognizing his outstanding performance as a medical student in orthopaedic surgery. Dr. Matthew W. Lawless recognized highest scorers Dr. Michael A. Herbenick and Dr. McDonough for their first and second place Hobart E. Klaaren, M.D., Basic Science Awards respectively.



Amidst awards and speeches highlighting a very busy year for the department, Drs. Andrisani and McDonough finalized their years of hard work and set their sights on what the future holds for them and their families.





WELCOME NEW RESIDENTS!

Ryan P. Finnan, M.D. (2005)



Having been born at Wright-Patterson Air Force Base near Wright State University, incoming intern for the 2005-2006 academic year, Ryan P. Finnan, M.D., is experiencing a “homecoming” of sorts. His desire to serve and his great love of athletics—as well as numerous injuries and broken bones earned on the playing field—inspired Dr. Finnan to pursue training and a career in orthopaedic surgery and sports medicine.

After earning a Bachelor of Science in Biology with academic distinction from the United States Air Force Academy in Colorado Springs, Dr. Finnan received his Doctor of Medicine from Loyola University of Chicago Stritch School of Medicine. At the Academy, Dr. Finnan served as Obstacle Course First-Sergeant, Honor Non-Commissioned Officer for Cadet Squadron, Combat Survival Training Instructor, Cadet in Charge of the Obstacle Course, Honor Officer for Cadet Squadron, and Cadet Squadron Flight Commander. In 2000, he served as research assistant under David Westmoreland, Ph.D., at Air Force Research Laboratories at Tyndall Air Force Base in Florida. During this assignment he studied the utilization of marine plants as biological sensors and their possible military applications. During the 2003-2004 academic year, Dr. Finnan served as researcher under Michael Pinzur, M.D., in the Department of Orthopaedics at Loyola University Chicago, studying the health-related quality of life for patients with Supination-External Rotation Stage IV ankle fractures. He has submitted the resulting manuscript to *Foot and Ankle International* and *The Journal of Orthopaedic Trauma* for publication as well as submitting it to the Mid-America Orthopaedic Association, Orthopaedic Trauma Association, and the American Orthopaedic Foot and Ankle Society for presentation.

Dr. Finnan volunteered as a teaching assistant at Loyola, instructing first-year medical students on the physical examination of the abdomen. He served as a member of the Institutional Review Board at the Academy, and as basketball coach for two seasons with the Colorado Special Olympics. As linebacker for the Academy football team, Dr. Finnan was named to the Football Academic All-Conference team for three consecutive seasons. He played rugby for the U.S. Air Force All-Star Team, and presently plays for the Chicago Lions RFC in the U.S. Rugby Super League.

Michael Iossi, M.D. (2005)

The love of woodworking and construction, combined with an interest in anatomy and the biochemical structure of living things, fostered Dr. Michael Iossi’s biomechanical interests and desire to pursue a career in orthopaedic surgery.



A graduate of the University of Wisconsin-Madison with a Bachelor of Science in Biochemistry, Dr. Iossi received his Doctor of Medicine this May from the Iowa Carver College of Medicine in Iowa City. Conducting research in a total knee replacement follow-up study under John J. Callaghan, M.D., in the Department of Orthopedics at the University

of Iowa, led to a poster presentation at the American Association of Hip and Knee Surgeons annual meeting in 2004 and a paper presentation at the American Academy of Orthopaedic Surgeons annual meeting in 2005.

Dr. Iossi has served as a care provider with REM Wisconsin, Inc. for a physically and mentally disabled patient, a chemistry tutor at the University of Wisconsin, a nursing assistant at the University of Iowa Hospitals and Clinics, and a gross anatomy tutor at the University of Iowa Carver College of Medicine. He has volunteered as an assistant basketball coach at Regina High School in Iowa City and as a laboratory assistant with the Iowa City Free Medical Clinic. Proficient in Spanish, Dr. Iossi has twice lived and studied in Spain.

Paul G. Peters, M.D. (2005)

A native of Michigan, Dr. Paul G. Peters’ interest in orthopaedic surgery began at a young age while reviewing an instructional video on new techniques in total knee replacement with his father, an orthopaedic surgeon. Choosing a career in orthopaedic surgery was confirmed for him while volunteering at Vivekananda Memorial Hospital in Sargur, India. Assisting the hospital’s lone surgeon in a wide range of operations in addition to his specialty in orthopaedic surgery helped Dr. Peters establish his purpose in this chosen field: providing patients with a better quality of life.



Upon completing a Bachelor of Arts in Zoology at Miami University in Oxford, Ohio, Dr. Peters completed a Master of Science in Zoology at the same institution before receiving his Doctor of Medicine from Wayne State University School of Medicine in June. As a research assistant under Dr. Ronald L. Wiley at Miami University, Dr. Peters examined the effects of creatine supplementation on fatigue time during isometric exercise. As a research assistant under Dr. James Ryaby with OrthoLogic Corporation in Tempe, Arizona, Dr. Peters studied the effects of a synthetic peptide (Chrysalin) on fracture healing using both *in vitro* and *in vivo* models as well as molecular and cellular techniques. As a graduate assistant at Miami University, he examined the effects of isometric exercise training on reactive oxygen and nitrogen species in hypertensive humans. This research resulted in publications in *The American Journal of Medicine, Sports and Medicine*, and *Science in Sports and Exercise*, as well as a presentation at the Ohio Physiology Society.

Along with his work in India, Dr. Peters volunteered with a group that educated inner city middle and high school students about sexually-transmitted diseases and HIV. In his spare time, Dr. Peters plays a wide array of outdoor sports.

Ross A. Schumer, M.D. (2004)

After receiving a Bachelor of Science in Biology from the United States Air Force Academy in Colorado Springs, Dr. Schumer earned his M.D., from the Jefferson Medical College of Thomas Jefferson University in Philadelphia.

Dr. Schumer’s research experience began with a summer in Washington, D.C., with the Inter-American Defense Board (IADB), researching and evaluating the expanding role of the

United States Military in disaster relief efforts throughout the world. His resulting research was submitted to the IADB and forwarded to the OAS.



As a student volunteer in the Department of Orthopaedics at Eglin Air Force Base Hospital, Dr. Schumer assisted Dr. Michael Fitzpatrick in the research of “Postoperative pain control after anterior cruciate ligament reconstruction: a prospective, randomized comparison of pain control infusion pump, femoral nerve block, and epidural analgesia.”

With JeffHOPE, a community outreach program dedicated to the homeless of Philadelphia, Dr. Schumer was able to provide health screening and primary care for patients throughout the city. As captain of the Academy’s lacrosse team, Dr. Schumer organized his team’s participation in the Susan G. Komen Race, raising funds to support breast cancer research.

During medical school he was awarded membership in the American Orthopaedic Association as well as the Hobart Amory Hare Internal Medicine Honor Society. At the Academy, Dr. Schumer served as Cadet Squadron Commander, responsible for the academic, military, athletic, and character development of over 115 cadets.

Serving in the Air Force and becoming an orthopaedic surgeon have been his goals for quite some time. “I feel there is no greater opportunity than to serve my country by caring for those who defend it.” Based on his own personal experiences with orthopaedic surgeons, Dr. Schumer is training his sights on academic medicine as well.

Dr. Schumer actively enjoys lacrosse, hiking, snowboarding, tennis, weightlifting, sailing, and fishing.

Paul R. Sensiba, M.D. (2004)

A high school soccer injury fueled Dr. Sensiba’s interest in pursuing a career in orthopaedic surgery, which has led to his ultimate goal of pursuing academic medicine. Dr. Sensiba received his Bachelor of Arts in Biology from Case Western Reserve University in Cleveland, which included six months of studying at the University of New South Wales in Sydney, Australia. He earned his Doctor of Medicine from The Ohio State University College of Medicine with honors in general surgery and a letter in pediatrics.



For three years, Dr. Sensiba had the opportunity to work as a lab assistant at

Case Western under the direction of Dr. Mitchell L. Drumm, investigating the effect of alpha-1-antitrypsin polymorphisms on cystic fibrosis disease severity. He was also responsible for maintaining the lab equipment and materials.

Under the direction of Dr. Christopher Kaeding, Dr. Sensiba served as a medical student assistant researcher, investigating the intra-articular damage of primary ACL reconstruction versus revision ACL reconstruction surgeries.

As a volunteer project coordinator for Teens Look@ Health with Netwellness, Dr. Sensiba assisted a group of local area high school students in developing a web-based interac-

tive program focusing on medical topics relevant and targeted to teens. Dr. Sensiba helped the students brainstorm topics, assisted in the research process by providing accreditable and difficult to find resources, helped guide the manner in which the program would relay facts, and assisted in the editorial process. Netwellness is a collaborative effort between Case Western, Ohio State, and the University of Cincinnati to provide Ohioans and people worldwide with sound, high quality medical information.

Dr. Sensiba is an avid soccer player who also enjoys acting, football, and volleyball.

Karl F. Siebuhr, M.D. (2004)

It was the unique requirements “to not only master surgical skills, but to think creatively in three dimensions to solve problems” that drew Dr. Siebuhr into studying orthopaedic surgery.

After earning a Bachelor of Science in Biology and in Health Sciences from the University of Nebraska, Dr. Siebuhr earned a B.S. and an M.S. in physical therapy. Most recently he earned his Doctor of Medicine from Wright State University School of Medicine. While a medical student, Dr. Siebuhr received the medical school’s Term I Award for Outstanding Academic Achievement, the Edward Emerson Scholarship, and an SDS Scholarship. He received the Outstanding Fourth Year Student Award from the Wright State Academy of Medicine, was inducted into the Alpha Omega Alpha Honor Medical Society, and received the James B. Peoples Silver Scalpel Award. He was also named the Outstanding Graduate from the Health Sciences Programs at the University of Nebraska, and received a Mortar Board and a VAMC Scholarship from the University of Evansville.



Prior to entering medical school, Dr. Siebuhr worked for three years as a staff physical therapist at the VA Medical Center. His duties included inpatient rehabilitation and acute and outpatient care. He also prescribed and fitted orthotic and prosthetic devices as well as applying pain relief modalities, traction, and consulting to various hospital departments. He has also served as a physical therapist in the area providing rehabilitation services in various settings on a *per diem* basis. This included acute inpatient rehabilitation and long-term care.

As a student researcher in the Department of Surgery at Miami Valley Hospital, Dr. Siebuhr conducted animal-based laboratory research, including research design, grant proposals, IRB applications, and daily care and provision of medication to the animals. Dr. Siebuhr presented his results at the Eastern Great Lakes Burn Study Group in Pittsburgh.

Dr. Siebuhr’s extensive volunteer background includes serving as a medical volunteer for Sunset for Kids Pediatric Clinic, a medical volunteer for the YWCA, an usher for the Department of Anatomy at Wright State University, a member of Phi Rho Sigma’s Community Service Committee, a tutor at Wright State, and a medical student volunteer for ReachOut Montgomery County. He enjoys running, rollerblading, playing guitar, soccer, softball, and snowboarding.

Publications

Andrisani DM, Martin S, Krishnamurthy AG. SF-36 Data Following Total Knee. *JBJS* online edition, MAO Annual Meeting Abstracts, paper #43, 2003.

Andrisani DM, Lawless MW. PCL Injuries. www.emedicine.com, 2004.

Crosby LA. *Total Shoulder Arthroplasty* (Spanish Translation). Rosemont, IL: American Academy of Orthopaedic Surgeons, 2003.

Crosby LA. *Upper Extremity Self-Assessment Examination*. Rosemont, IL: American Academy of Orthopaedic Surgeons, Upper Extremity Evaluation Subcommittee, 2005.

Gorman M, Ahluwalia J, Laughlin RT. Subtalar Dislocation Following Ankle Fusion. A Report of Three Cases. *Foot and Ankle International*. In press.

Grisoni NE, Ballock RT, Thompson GH. Second Cervical Vertebrae Pedicle Fractures Versus Spondylolysis in a Child. *Clinical Orthopaedics & Related Research*. 2003; (413):238-42.

Hartson J, Martin S, **Krishnamurthy AB.** Autologous Blood Donation in Total Knee Arthroplasty. Is It Really Necessary? *JBJS* online edition, MAO abstracts, paper #48, 2003.

Herbenick M, Krishnamurthy AB. Dislocation Rates in Total Hip Arthroplasty Following Posterior Capsular Repair. *JBJS* online edition, MAO abstracts, 2004.

McDonough B, Krishnamurthy AB. Osteonecrosis of the Patella Following Total Knee Arthroplasty. *JBJS* online edition, MAO abstracts, paper #46, 2003.

Schall MW, Duffy T, **Krishnamurthy AB,** Levesque O, Mehta P, Murray M, Parlier R, Petzel R, Sanderson J. Improving Patient Access to the Veterans Health Administration's Primary Care and Specialty Clinics. *Joint Commission Journal on Quality and Safety*. 2004;30(8):415-23.

Wright V, Zelle B, **Prayson MJ.** Bilateral Sacroiliac Joint Dislocation Without Associated Fracture or Anterior Pelvic Ring Injuries. *Journal of Orthopaedic Trauma* 2004;18(9):634-37.

Zelle BA, Gruen GS, Klatt B, Haemmerle MJ, Rosenblum WJ, **Prayson MJ.** Exchange Reamed Nailing for Aseptic Nonunion of the Tibia. *Journal of Trauma* 2004;57(5):1053-59.

Submitted for Publication

Herbenick M, Sprott D, Stills H, Lawless MW. The Effects of a Cyclooxygenase-2 Inhibitor on Fracture Healing in a Rat Model. Submitted to *American Journal of Orthopaedic Surgery*, 2004.

Herbenick M, Krishnamurthy A. Anatomic Capsular Repair to Prevent Total Hip Dislocation: A New Motion Sparing Surgical Technique. Submitted to *Journal of Arthroplasty*, 2005.

McDonough E Jr., Crosby LA. Periprosthetic Fractures of the Humerus. *American Journal of Orthopaedics*. Accepted for publication July 2004.

Rubino LJ, Stills HF, Crosby LA. Fatty Infiltration of the Rotator Cuff in a Rabbit Model. Submitted to *Journal of Shoulder and Elbow Surgery*, 2004.

Awards/Honors

Crosby LA. J. Albert Key Prize for Excellence in Medical Writing, Mid-America Orthopaedic Society, 2004.

Dalstrom D. Awarded, Synthes Educational Grant for AO-ASIF Principles of Fracture Management Course, 2003.

Herbenick M. Recipient, Hobart E. Klaaren, M.D., Basic Science Award, 2003.

Herbenick M. First Place, Miami Valley Hospital Resident Research Paper Award, 2004.

Herbenick M. AOA/OREF Zimmer Resident Leadership Forum Participant, 2004.

Gorman M. Resident Representative for DAGMEC Graduate Medical Education Committee.

Grisoni N, Foulk D, Sprott D, Laughlin RT. Second Place, DAGMEC Resident Research Forum, 2003.

Janout M. Appointed AOA/OREF Zimmer Resident Leadership Forum Participant, 2005.

Laughlin RT. Resident Teaching Award, Wright State University Department of Orthopaedic Surgery, 2003.

Rubino LJ. Nominated for Neer Award, ASES Specialty Day, 2003.

Rubino LJ. First Place, Miami Valley Hospital Resident Research Paper Award, 2003.

Rubino LJ. Finalist. Wright State University Academy of Medicine Outstanding Resident Award, 2004.

Presentations

Crosby LA. "Cement vs. Cementless Total Shoulder Arthroplasty." Presented at the HealthStream Specialty Day Elbow & Shoulder Cadaver Events, Rosemont, IL, October 2003.

Crosby LA. "Antibiotic Mixed Methylmethacrylate Covered Prosthetic Implant for the Treatment of Deep Infections in Shoulder Arthroplasty." Presented at the American Shoulder and Elbow Surgeons Closed Meeting, New York, NY, October 2004.

Crosby LA. "Rotator Cuff Disease." Presented during an Instructional Course at the Mid-America Orthopaedic Association 22nd Annual Meeting, La Quinta, CA, April 2004.

Crosby LA. "Shoulder Arthroplasty: Indications and Pitfalls." Presented at the Louisville Orthopaedic Society Meeting, Louisville, KY, September 2004.

Crosby LA. "Massive Rotator Cuff Tears: Indications for Reverse Shoulder Prosthesis." Presented at Grand Rounds, Department of Orthopaedics, University of Louisville, Louisville, KY, September 2004.

Crosby LA. "Allograft Use in Shoulder Arthrodesis." Presented at the Mid-America Orthopaedic Association 23rd Annual Meeting, Amelia Island, FL, April 2005.

Crosby LA. "Antibiotic Mixed Methylmethacrylate Covered Prosthetic Implant for the Treatment of Deep Infections in Shoulder Arthroplasty." Presented at the Mid-America Orthopaedic Association 23rd Annual Meeting, Amelia Island, FL, April 2005.

Crosby LA. "Complications in Shoulder Arthroplasty." Presented during Instructional Course I-Total Shoulder Arthroplasty. Mid-America Orthopaedic Association 23rd Annual Meeting, Amelia Island, FL, April 2005.

Crosby LA. "Antibiotic Mixed Methylmethacrylate Covered Prosthetic Implant for the Treatment of Deep Infections in Shoulder Arthroplasty." Presented at Ohio Orthopaedic Society 66th Annual Meeting, Columbus, OH, May 2005.

Gorman M, Rubino J, Herbenick M, Crosby L. "Incidence of Restore Patch Rejection Reaction in Rotator Cuff Repair Augmentation." Presented at Mid-America Orthopaedic Association 23rd Annual Meeting, Amelia Island, FL, April 2005.

Herbenick M, Sprott D, Stills H, Lawless M. "The Effects of a Cyclooxygenase-2 Inhibitor on Fracture Healing in a Rat Model." Presented at Dayton Area Orthopaedic Grand Rounds, Dayton, OH, February 2003.

Herbenick M, Sprott D, Stills H, Lawless M. "The Effects of a Cyclooxygenase-2 Inhibitor on Fracture Healing in a Rat Model." Presented at Mid-America Orthopaedic Association 21st Annual Meeting, Hilton Head, SC, April 2003.

Herbenick M, Sprott D, Stills H, Lawless M. "The Effects of a Cyclooxygenase-2 Inhibitor on Fracture Healing in a Rat Model." Presented at Orthopaedic Trauma Association Annual Meeting, Salt Lake City, UT, October 2003.

Herbenick M, Sprott D, Stills H, Lawless M. "The Effects of a Cyclooxygenase-2 Inhibitor on Fracture Healing in a Rat Model." Presented at American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, CA, March 2004. Awarded First Place in Trauma Category.

Herbenick M, Sprott D, Stills H, Lawless M. "The Effects of a Cyclooxygenase-2 Inhibitor on Fracture Healing in a Rat Model." Presented at Mid-America Orthopaedic Association 22nd Annual Meeting, Palm Springs, CA, April 2004.

Herbenick M, Krishnamurthy A. "Dislocation Rate Following Primary Total Hip Arthroplasty with a Posterolateral Approach and Capsular Repair." Presented at Mid-America Orthopaedic Association 22nd Annual Meeting, Palm Springs, CA, April 2004.

Herbenick M, Krishnamurthy A. "Dislocation Rate Following Primary Total Hip Arthroplasty with a Posterolateral Approach and Capsular Repair." Presented at the Dayton Area Graduate Medical Education Consortium Resident Research Forum, Dayton, OH, April 2005. Awarded Second Place Research Category.

Hutchinson B, Binski JC. "Taylor Spatial Frame for Treatment of Tibial Shaft Fractures." Presented at International Society of Fracture Repair, Bologna, Italy, November 2004.

Hutchinson B, Simman R, Peterson W, Stills H, Mitchell R, Reynolds D, Jones M, Russ D. "The Healing Effect of Platelet Rich Plasma in Rats with Acute Bone Fracture." Presented at Central Research Forum at Wright State University, Dayton OH, October 2004.

Hutchinson B, Binski JC. "Taylor Spatial Frame for Treatment of Tibial Shaft Fractures." Presented at Mid-America Orthopaedic Association 23rd Annual Meeting, Amelia Island, FL, April 2005.

Mitchell RK, Sprott D, Kleinhenz B, Abouhassan W, Rhoades M, Laughlin RT. "Plantar Fasciitis: Is it a work related injury?" Presented at Dayton Area Graduate Medical Education Consortium, Dayton, OH, April 2004.

Mitchell RK, Sprott D, Kleinhenz B, Abouhassan W, Rhoades M, Laughlin RT. "Plantar Fasciitis: Is it a work related injury?" Abstract, AOFAS Summer Meeting, Seattle, WA, 2004.

Prayson MJ. 2nd Annual Trauma 101 Symposium, Covington, KY, April 23-24, 2004.

Prayson MJ. "Pelvic plating-Indications and Techniques," and "Distal Femur Fractures-Current Trends," Ohio Orthopaedic Society Annual Meeting, Canton, OH, May 7-8, 2004.

Prayson MJ. "Pelvic Plating," Trauma Update 2004 Seminar, Dayton, OH, May 21, 2004.

Prayson MJ. "Baseline Compartment Pressure Measurements in Isolated Lower Extremity Fractures Without Clinical Compartment Syndrome," 20th OT-Annual Meeting, Fort Lauderdale, FL, October 2004.

Prayson MJ. "Risk of Injury to Anterior Neurovascular Structures During Tension Band Wiring of Olecranon Fractures: A Magnetic Resonance Imaging Analysis," 20th OTA Annual Meeting, Fort Lauderdale, FL, October 2004.

Prayson MJ. "Does Open Reduction Increase the Chance of Infection During Nailing of Closed Tibia Shaft Fractures?" 20th OTA Annual Meeting, Fort Lauderdale, FL, October 2004.

Prayson MJ. Treatment Options for Difficult Fractures-A New Technology Symposium, Cincinnati, OH, November 20, 2004.

Prayson MJ. "Supracondylar Femur Fractures-Evolution of Treatment," Grand Rounds-Northwestern University, Chicago, IL, January 28, 2005.

Prayson MJ. "Risk of Injury to Anterior Neurovascular Structures During Tension Band Wiring of Olecranon Fractures: A Magnetic Resonance Imaging Analysis," AAOS Annual Meeting: Washington, DC, February 2005.

Prayson MJ. 3rd Annual Trauma 101 Symposium, Covington, KY, April 29-30, 2005.

Prayson MJ. "Baseline comparison pressure measurements in isolated lower extremity fractures without clinical compartment syndrome." Presented at Ohio Orthopaedic Society 66th Annual Meeting, Columbus, OH, May 2005.

Rubino LJ, Stills HF, Sprott DC, Crosby LA. "Fatty Infiltration of the Rotator Cuff in a Rabbit Model." Presented at the American Shoulder and Elbow Specialty Day, American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, Louisiana, February 2003.

Rubino LJ, Stills HF, Sprott DC, Crosby LA. "Fatty Infiltration of the Rotator Cuff in a Rabbit Model." Presented at Mid-America Orthopaedic Association 21st Annual Meeting, April 2003.

Rubino LJ, Stills HF, Sprott DC, Crosby LA. "Fatty Infiltration of the Rotator Cuff in a Rabbit Model." Presented at American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, CA, March 2004.

Rubino LJ, Stills HF, Sprott DC, Crosby LA. "Fatty Infiltration of the Rotator Cuff in a Rabbit Model." Presented at Dayton Area Graduate Medical Education Consortium Research Forum, Dayton OH, April 2004.

Rubino LJ, Stills HF, Sprott DC, Crosby LA. "Fatty Infiltration of the Rotator Cuff in a Rabbit Model." Presented at Mid-America Orthopaedic Association 22nd Annual Meeting, La Quinta, CA, April 2004. Rubino Awarded MAO Association Travel Grant, Smith & Nephew and the J. Albert Key, M.D., Physician in Training Award.

Rubino LJ, Stills HF, Sprott DC, Crosby LA. "Fatty Infiltration of the Rotator Cuff in a Rabbit Model." Presented at American Orthopaedic Association Annual Meeting, Charleston, SC, June 2003.

Rubino LJ, Stills HF, Sprott DC, Crosby LA. "The Effect of Rotator Cuff Repair with Restore® Patch on the Progression of Fatty Infiltration in a Rabbit Model." Presented at Mid-America Orthopaedic Association 23rd Annual Meeting, Amelia Island FL, April 2005.

Sprott D, Crosby LA. "Transfusion Risk in Total Shoulder Arthroplasty." Presented at the Mid-America Orthopaedic Association 22nd Annual Meeting, La Quinta, CA, April 2004.

Williams N, Krishnamurthy A. "Perioperative Factors Affecting Range of Motion After Total Knee Arthroplasty." Presented at Dayton Area Graduate Medical Education Consortium Research Forum, Dayton, OH, April 2005.

Grants & Research Projects

Ahluwalia J, Mitchell R, Kinzie M, Laughlin RT. Anatomic Predictors of Ankle Instability in College Athletes.

Anderson C, Crosby LA. "Humeral Head Vitality After 3 & 4 Part Humeral Head Fracture." Recipient, Dayton Area Graduate Medical Education Consortium-\$1,500, 2003.

Anderson C, Lippert S, Crosby LA. Evaluation of fixation techniques for mid-shaft clavicle fractures.

Crosby LA, Mitchell R. Recipient, Research Fellow Zimmer Educational Grant, 2003/2004.

Crosby LA, Rigenbach M. Cement Extravasation After Shoulder Arthroplasty.

Dalstrom D, Lippert S, Prayson MJ. Biomechanical Analysis of Locking Screw Use and Placement in Diaphyseal Fixation

Dalstrom D, Lippert S, Prayson MJ. Comparison of Bicortical vs. Unicortical Locking Screws. A Biomechanical Study. Dalstrom: Recipient, Miami Valley Hospital Limited Assistance Research Fund-\$1,000, 2005.

Herbenick M, Miller T, Stills H, Lawless MW. The Use of an Alzet Osmotic Pump for Pain Control in a Rat Fracture Model: A Standardized Method for Pain Control in Orthopaedic Animal Procedures.

Herbenick M, Sprott, D, Lawless M. Range of Motion of the Knee: Anatomical Landmarks.

Janout M, Booth BA, Laughlin RT. "Fatty Infiltration of Gastrocnemius and Soleus Muscles following Achilles Tendon Lengthening." Janout: Recipient, Dayton Area Graduate Medical Education Consortium-\$1,500, 2004; and Miami Valley Hospital Limited Assistance Research Fund-\$1,000, 2005.

Laughlin RT, He P, Reynolds D, Siebuhr KF, Booth BA. "A Biomechanical Study of the Distal Tib-Fib Fusion BKA using Finite Element Model." Wright State University School of Medicine Seed Grant-\$4,700, 2005.

Laughlin RT, Trame C, Booth BA, Smith T, and Bryan D. Immediate Postoperative Pain Control and Functional Outcomes in Lower Extremity Amputation Patients.

Lippert SA, Laughlin RT, Crosby LA. Recipients, Wright State University Research Challenge Major Collaboration Grant for the Center for Orthopaedic Biomechanics.-\$85,000

Prayson MJ. Recipient, Synthes Educational Grant, 2004.

Prayson MJ. Recipient, Smith and Nephew Educational Grant.

Rubino J. Recipient, Miami Valley Hospital Research Fund-\$3,000.

Schumer R, Sprott D, Crosby LA. Predictors of Transfusion Risk in Elective Shoulder Arthroplasty.

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Sensiba PR, Booth B, Lawless M. "Fatty Infiltration of the Hamstring Musculature Following Tendon Harvesting in a Rabbit Model." Sensiba: Recipient, DAGMEC Resident Research Grant-\$1,500, 2005.

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Siebuhr K, Booth BA, Parada S, Laughlin RT. Functional Outcomes of a BKA with Distal Tibia-Fibula Fusion..

Williams N, Prayson MJ. Use of VAC Dressings for Fasciotomy Incisions.

Williams N, Prayson MJ. Culture Analysis of VAC Dressing: Colonization and Its Impact on Timing of Dressing Changes.

CONGRATULATIONS TO OUR GROWING FAMILIES



Mia Kazumi Hutchinson

Mia Kazumi Hutchinson made her first appearance at 8:53 p.m., on December 1, 2003, to the delight of her parents, Dr. Brian K. Hutchinson and his wife Sandra. Baby Mia weighed 7 pounds, 1 ounce, and measured 19¼ inches long.



Tamsyn Grace Gorman

With great joy, Dr. Matthew W. Gorman and his wife Megan greeted their first child, Tamsyn Grace Gorman on September 27, 2004, at 9:06 p.m. Baby Tamsyn arrived weighing 8 pounds, 10-3/4 ounces, and measuring 21 inches long.

Emma Marie Grisoni

Dr. Nicolas Grisoni and his wife Jamie welcomed Emma Marie Grisoni on January 29, 2004, at 2:14 p.m. Baby Emma, the Grisonis' first child, weighed 8 pounds, 2 ounces, and measured 20 inches long.



Paul Thomas Roberto Andrisani

Department Alum, Dr. Damian Andrisani and his wife Jennifer welcomed their first child, Paul Thomas Roberto, on March 22, 2005, at 9:53 p.m. Paul weighed 4 pounds, 15.9 ounces, and measured 18 inches long.



SEND US YOUR NEWS

We want to put you in next year's issue of *ORTHOPAEDIC NEWS*. Tell us about your career updates, honors, awards, publications, and personal highlights. Please send your information to:

julie.knauff@wright.edu or fax to: 937-208-6141 ATTN: Julie Knauff

Mail to: ATTN: Julie Knauff, WSU Orthopaedic Surgery, 30 E. Apple Street, Suite 5250, Dayton, OH 45409

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