

Joint Ventures

2014



Boonshoft
School of Medicine
WRIGHT STATE UNIVERSITY

Department of Orthopaedic Surgery
Sports Medicine & Rehabilitation

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MESSAGE FROM THE CHAIR



Anyone who is involved with any organization or institution for an extended amount of time will see transition. In the last 20 years there has been much change at Wright State University Boonshoft School of Medicine and our orthopaedic department. Change tends to come in waves and there has been no time in my tenure that has witnessed more change than the last three years. Observers and leaders of the medical industry have forecasted dramatic change in the times in which we currently live, yet I think our tendency is to ignore forecasts until our own world is affected.

In the last three years, our department has witnessed changes in the dean of the medical school, the provost of the university as well as the chief executive officer and chief operating officer of Wright State Physicians. In addition, we appointed a new business administrator at Wright State Orthopaedics, Pam Kadrovach. Pam returned to the area after serving in a similar position in a large orthopaedic group, which included one of our alumni, Dr. Scott Groseclose, in Traverse City, Michigan. These new leaders have each brought a fresh perspective and challenged us to move forward with important and needed changes in our business practices and the ways in which we care for our patients.

On the hospital side, we have seen leadership changes in our major teaching hospitals. With each change, we get a new perspective and set of goals. Many of these newly appointed leaders have been very helpful to the orthopaedics department through the years and it is nice to see them move up the ladder into positions of such significant responsibility. A new wrinkle in our relationship with the hospitals has been the creation of the orthopaedic service line. Gary Blake is the vice president of service integration for orthopaedics and sports medicine. In this role, he has guided decisions pertaining to orthopaedics in the five hospitals that constitute Premier Health. Over the past three years, Gary has gotten to know the orthopaedic market both regionally and nationally and is carefully navigating the political minefields that accompany a very competitive field. It has been very helpful to work with an administrator whose primary role, is to facilitate the business of orthopaedics in the hospitals in which we work. In his role he is challenging us to critically evaluate our practices to improve patient care overall for both inpatients and outpatients throughout the Premier Health system, and the region in general.

In the educational area, we welcomed a new residency coordinator, Cindy Dempsey, who took over for Peggy Baldwin [see page 4]. We also have a new medical student coordinator, Leslie Rohrer, who has taken over for Anna Kirchmer and Amy Leach [see page 6]. In addition, we welcomed back Julie Knauff in her role as senior administrative assistant. The academic administrative staff has jumped into their new roles, creating a cohesive team environment while bringing a fresh perspective to many of the annual department responsibilities. Julie and Cindy have worked together in the department for several years, so they bring experience and a cooperative vision for the orthopaedic surgery residency.

In a rapidly changing health care environment, adaptability is an increasingly important quality to embrace. Orthopaedics is a unique field whose patient population is ever increasing. The rising demand for orthopaedic surgery will maintain our value to the system and challenge us to find better and more efficient ways to care for our patients and educate our residents.

—Richard T. Laughlin, M.D.

FACULTY NEWS

Department Welcomes Dr. Kayanja



Orthopaedic spine surgeon, Mark Kayanja, M.D., Ph.D., joined the Department of Orthopaedic Surgery, Sports Medicine and Rehabilitation in August 2014, as an associate professor.

Dr. Kayanja, formerly of CORE Institute in Phoenix, Arizona, is a fellowship-trained orthopaedic spine surgeon specializing in cervical, thoracic, and lumbar spine surgery. Dr. Kayanja sees patients at the Wright State Physicians Health Center and Miami Valley Hospital,

treating several conditions, including spinal deformity, degenerative spinal conditions, spine fractures, spine infections, and spine tumors.

He completed his orthopaedic surgery residency and spine fellowship at the Cleveland Clinic. In addition, he completed a research fellowship/Ph.D. program in biomechanics and was Director of the Spine Biomechanics Laboratory at the Cleveland Clinic from 2005-2007.

Before coming to the United States in 2001, Kayanja held numerous positions, including clinical instructor in the Department of Orthopaedics at Makerere University in Kampala, Uganda, and medical officer in Uganda Ministry of Health. He earned his medical degree at Makerere University Medical School and his doctorate at Mbarara University in Uganda.

Dr. Kayanja is a member of the North American Spine Society, Uganda Health Scientists, the Association of Surgeons of East Africa, and the Association of Surgeons of Uganda.

He comes to Dayton with his wife, Harriett Kayanja, M.D., Ph.D., who specializes in critical care and holds a Ph.D. in epidemiology.

Visiting Professor



James J. McCarthy, M.D., FAAOS, served as visiting professor in conjunction with the 2014 graduation events, presenting "The Health of Healthcare in the

U.S." to the members of the Dayton Orthopaedic Society. Dr. McCarthy is the appointed Alvin Crawford Chair in Pediatric Orthopaedics at Cincinnati Children's Hospital Medical Center, where he also serves as professor in the Department of Orthopaedic Surgery, and director of Pediatric Orthopaedic Surgery, as well as Professor in the Department of Orthopaedic Surgery at the University of Cincinnati College of Medicine.

Photo credit: Cincinnati Children's Hospital Medical Center.

Orthopaedic Traumatology



Lt. Col. Brandon Horne, M.D., spent two years in the Department of Orthopaedic Surgery participating in the Center for Sustainment of Trauma and

Readiness—C-STARS—program through the U.S. Air Force.

Dr. Horne is a graduate of the Air Force Academy and did a general surgery internship at Wilford Hall Air Force Base in San Antonio, and his orthopaedic residency at the University of Texas Health Science Center in San Antonio. Upon being commissioned at Wright Patterson A.F.B., Dr. Horne began organizing the C-STARS program for orthopaedic surgeons. He has also led the Air Force Orthopaedic P.A. programs, which allows physician assistants

in the Air Force to rotate on the Orthopaedic Trauma Service at Miami Valley Hospital. Dr. Horne and the physician assistants have been helpful contributors to one of our busiest services.

Last year, Dr. Horne applied for and was awarded an orthopaedic trauma fellowship in Indianapolis with the Ortho Indy Group. Upon his completion, he will return to WPAFB and MVH through the C-STARS program. Dr. Horne's nomination to the appointment of Colonel in the U.S. Air Force was received in the U.S. Senate.

Maj. Ryan Finnan, M.D. Returns from Afghanistan



Ryan Finnan, M.D., assistant professor and a major in the U.S. Air Force, recently returned from a six-month deployment in Afghanistan. He is shown here in the operating room of the Craig Joint Theater Hospital (CJTH), Bagram Airfield, Afghanistan, in August 2014, flushing a wound. The medical staff of CJTH and 159th Combat Aviation Brigade administered emergency care to victims involved in a mass casualty event.

Dr. Finnan participates in the C-STARS program and is assigned to the University of Cincinnati Department of Orthopaedics.

Article and photo courtesy of The University of Cincinnati Department of Orthopaedic Surgery News & Updates.

Joint Ventures

Orthopaedic Trauma Update



The orthopaedic trauma service at Miami Valley Hospital remains steady and busy. The trauma volume is approximately 3% higher than 2013 with almost 3400

trauma encounters and almost 3000 trauma admissions. The Level 2 trauma status at Kettering Hospital is not having a major impact on the volume at Miami Valley Hospital. Over 90 percent of our trauma admissions occur through a blunt mechanism of injury. Falls and motor vehicle collisions remain the two most common mechanisms of injury.

Eight faculty members (both academic and clinical) contribute to the orthopaedic trauma call coverage at the hospital. Additionally, the orthopaedic trauma fellow, three orthopaedic residents (chief, R-3, intern), Diane Kimpel, A.P.N., Air Force

PA-Cs, and an occasional rotator from the Plastic Surgery Division provide daily coverage and support for the service.

The orthopaedic trauma fellowship remains strong with solid support from Miami Valley Hospital. Last year's graduate, Nick Quercetti, D.O., assumed a trauma position in Delaware and is partners with former graduates from both training programs in Dayton. Our current fellow, Tejas Patel, D.O., is currently interviewing for various trauma opportunities. Next year, Jason Reid, D.O., will join us from his orthopaedic training program in Pontiac, MI.

This past year Jenny Jerele, M.D., graduated from the Wright State University Boonshoft School of Medicine Orthopaedic Surgery Residency (2014), and took a position as an orthopaedic trauma fellow at Duke University Medical Center in Durham,

North Carolina. Jenny anticipates a return to Dayton where she will join Bone and Joint Surgeons.

Additionally, Brandon Horne is completing his orthopaedic trauma fellowship in Indianapolis. Dr. Horne is an active duty candidate for Colonel in the U.S. Air Force, stationed at Wright Patterson Air Force Base. He has provided support in the past to Miami Valley Hospital through the C-STARS program and we are hopeful his next assignment after his fellowship will be a return to Wright Patt.

—Michael J. Prayson, M.D.

RESIDENCY

2014 New Residents and Fellow



Michael A. Boin, M.D.
Six-Year Research Track
University of Missouri-Kansas City



Sarah M. Kreul, M.D.
University of Wisconsin School of Medicine and Public Health



Christopher T. Battista, M.D.
University of Louisville School of Medicine



Tejas J. Patel, D.O.
Orthopaedic Trauma Fellow
D.O.: Kansas City University of Medicine & Biosciences
Residency: University of Medicine & Dentistry of New Jersey



Matthew A. Dorweiler, M.D.
Six-Year Research Track
Creighton University School of Medicine

Residency ABOS Board Results

Part I

Chris Gayton, M.D. (2014)
Jennifer Jerele, M.D. (2014)
Brett LaFleur, M.D. (2014)
Christopher Lyons, M.D. (2013)
Mark Stouffer, M.D. (2013)
Indresh Venkatarayappa, M.D. (2013)
Jason Vourazeris, M.D. (2014)

Part II/Board Certified

Ryan Finnan, M.D. (2013)
J. Adam Hamilton, M.D. (2014)
Michael Iossi, M.D. (2013)
Brad Picha, M.D. (2014)
Karl Siebuhr, M.D. (2014)
Nathan Williams, M.D. (2013)

Recertification

Matthew Lawless, M.D. – Orthopaedics (2014), Sports Medicine (2014)

Residents Attend Foot & Ankle Bioskills Lab

In December, Michael Boin (R1), Joseph Cox (R3), Zachary DiPaolo (R2), Jed May (R3), Annie Stitgen (R3), and Rufus Van Dyke (Research) traveled to Columbus with Dr. Laughlin for a foot and ankle bioskills lab. Residents participated in hands-on training sessions, including:

- Ankle arthroscopic techniques
- Achilles tendon repair
- Proximal 1st metatarsal opening wedge osteotomy
- Tendon transfers and suture anchor fixation
- Lateral ankle ligament reconstruction
- Spring ligament reconstruction
- Deltoid ligament reconstruction

This bioskills lab incorporates exercises that fit into the ABOS teaching modules for interns and is expanded to include second-

and third-year residents. The department is very appreciative of the support provided by Arthrex, Inc. for use of this lab. These types of activities are increasingly important as our residency learning requirements include more and more bioskills training.



Department Welcomes New Residency Coordinator



This past September, the orthopaedic residency transitioned to a new residency coordinator, Cindy Dempsey.

Cindy Dempsey replaces Peggy Baldwin, who left to take a similar position at Wright-Patterson Air Force Base. Peggy was instrumental in navigating the exponential growth of the residency over the years. She oversaw and participated in many major changes that took place in our department as we grew from only two residents per year to four residents per year plus two research track residents. We also started the orthopaedic trauma fellowship during her tenure. Peggy was involved with orthopaedic education on a national level in her position on the board of the Association of Residency Coordinators of Orthopaedic Surgery (ARCOS). In this role, she kept us in the forefront of orthopaedic education. She successfully guided us through many accreditation visits and managed the ever growing documentation required to keep the residency and fellowship moving forward. Along with her homemade salsa, Peggy's influence on the department will be missed.

Cindy Dempsey took over as the orthopaedic surgery residency and orthopaedic trauma fellowship coordinator, and we are excited to welcome Cindy into her new role. Building on all the good work Peggy did for the department, Cindy continues to add her fresh perspective to the coordinator position. She is successfully tackling her new challenges, as evidenced by her first time handling resident interviews.

She took the job in September 2014, typically one of the busiest times of the year for residency coordinators. Her calm demeanor has allowed her to make sense of the many moving parts of the residency and maintain our current direction and goals.

Cindy has been an integral member of our department since 2007. She previously served as senior administrative assistant to Michael Prayson, M.D., coordinating various aspects of the orthopaedic trauma fellowship with Peggy. She assisted the department in administrative aspects of bringing on Drs. DiPaola and Kayanja, and served as their administrative assistant as well. She also served as marketing coordinator and supported business manager Pam Kadrovach. Her multifaceted experience in the department serves as a great foundation for her new role.

WRIGHT STATE PHYSICIANS New Medical Assistants

Wright State Orthopaedics welcomed several new certified medical assistants since late 2013.

Misty Mullins, CMA
Candi Consiglio, CMA
Melisa Anderson, CMA
Heather Clonch, CMA
Katie Cooley, CMA
Kim Van Over, CMA, RT

They have brought new ideas and a fresh perspective to our organization. We are happy to have them as part of our team.

Educational Sessions for the Public

The department provided a full schedule of free educational sessions for the public on a variety of orthopaedic surgery, sports medicine, rehabilitation, and plastic surgery topics.

Back to School: A Common Sense Approach to Avoiding Back Pain
Iva C. Staats, P.T. (January 21)

Minimally Invasive Shoulder Surgery
Matthew J. DiPaola, M.D. (February 18)

Walk Wright: Putting Your Best Foot Forward
Justin Lodge, P.T., D.P.T. (March 18)

Concussion Updates
Corey J. Ellis, M.D. (April 15)

Sun Protection and Skin Care
R. Michael Johnson, M.D. (May 23)

Rotator Cuff Tears and Repairs
L. Joseph Rubino, III, M.D. (June 24)

Forefoot Injuries
Gregory L. Barbour, D.P.M. (August 19)

Ankle Arthritis
Michael D. Barnett, Jr., M.D. (September 16)

Foot and Ankle Pain and Injuries
Gregory L. Barbour, D.P.M. (September 17)

Joint Pain of the Shoulder
Matthew J. DiPaola, M.D.

New Insights into Diagnosis and Management of Rheumatoid Arthritis
William E. Venanzi, Jr., M.D. (October 21)

Joint Pain of the Foot and Ankle
Richard T. Laughlin, MD (November 11)

Common Spine Conditions
Mark M. Kayanja, M.D., Ph.D. (November 18)

These sessions were delivered at the Wright State Physicians Health Center as well as several of the Premier Health facilities in the surrounding area.

Joint Ventures

RESEARCH

Department Research Update

Faculty and residents were very busy this year making progress on ongoing research projects and initiating some promising new research areas. Our 2014-2015 Research Residents, Dr. Jessica Lee and Dr. Rufus VanDyke, started off their year investigating a number of tendon repair techniques and have aided in some clinical case reports. A new project to enhance surgical skills was begun using the FAST arthroscopy simulation.

This year has been an amazing year for funding in our department. Two faculty were awarded Translational Medicine Grants from the Boonshoft School of Medicine. Dr. Michael Johnson and his co-PI from WSU biology, Dr. Katherine Excoffon, were given two years of funding for their research on bioengineering novel solutions to chronic wounds. Dr. Excoffon also holds a joint appointment in orthopaedic surgery. Dr. Dana Duren and her co-PI from pediatric radiology, Dr. Elizabeth Ey, were given two years of funding to create a semi-automated computer program for skeletal maturity assessment. Both of these projects have great potential and are a real “win” for the department.

In 2014, Dr. Duren was also awarded a five-year grant from the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) to provide a much-needed update to methods for assessing skeletal maturity in pediatric patients. This project will bring representation of contemporary children of multiple racial and ethnic backgrounds to the reference populations used to derive “bone age” in clinical and research settings.

Residents were also successful at attaining grant funding in 2014, with two awards from DAGMEC, one on joint laxity in female collegiate athletes and a second on techniques for Achilles tendon repair. Congratulations, Dr. Joseph Cox (co-investigator: Dr. Andrew Froehle) and Dr. Rufus VanDyke (co-investigators: Dr. Richard Laughlin, Dr. Roman Trimba, medical student Seguel Chaudery, and Greg Gould)!

Our research residents are always looking for new ideas and areas for collaboration. One of the goals of the Boonshoft School of Medicine is to promote translational research, and we continue to seek collaboration between the basic scientists and clinicians.

— Dana L. Duren, Ph.D.

Karl Jepsen, Ph.D. Presents Grand Rounds



Karl Jepsen, Ph.D., professor and associate chair of research in the Department of Orthopaedic Surgery at the University of Michigan, presented at

Grand Rounds on February 26, 2014. He and Dana Duren, Ph.D., are collaborating on research investigating changes in the pediatric skeleton that have occurred over the past century. His lecture, “Studying bone as a complex adaptive system,” highlighted the importance of structural properties of cortical and trabecular bone as the skeleton ages.

Dr. Jepsen earned a B.S. and M.S. in Mechanical Engineering at Wayne State University in Detroit, and an M.S. and Ph.D. in Bioengineering from University of Michigan. He conducted his postdoctoral training at Case Western Reserve University in Cleveland, Ohio, where he then served as assistant professor in the Department of Orthopaedics. In 1999, he accepted a position in the Department of Orthopaedics at the Mount Sinai School of Medicine in New York City. He returned to Michigan in September 2011. His research program focuses on understanding how complex physiological systems such as the skeletal system establish function during growth and maintain function during aging.

Ninth Annual Graduation Research Symposium

The ninth annual scientific symposium was held Friday, June 6, 2014, in connection with the 2014 graduation. The residents presented their research to the department for discussion and review.

Roman Trimba, M.D.

2013-2014 Research Projects

Chad Williams, M.D.

2013-2014 Research Projects

Chris Gayton, M.D.

Assessment of periprosthetic fracture risk with short and long cephalomedullary nails: a biomechanical study

Jennifer Jerele, M.D.

Effects of the LRU pillow on active assistive knee range of motion and pain scores following total knee replacement surgery

Bret LaFleur, M.D.

Hybrid fixation with sublaminar polyester bands in the treatment of neuromuscular scoliosis: a comparative analysis

Elizabeth Dulaney-Cripe, M.D.

Adherence to preoperative cardiac clearance guidelines in hip fracture patients

John Dundon, M.D.

Cannulated screw with solid core insert: improved strength compared to cannulated screws

Peter Knoll, M.D.

The effect of exercise and glycemic control on diabetic (db/db) mouse achilles tendons

David Nelles, M.D.

Locking screw placement in hybrid fixation of distal femur fractures

Matt Cavo, M.D.

Association between diabetes, obesity, and short-term outcomes among patients surgically treated for ankle fracture

Jake Deister, M.D.

Risk factors for extended care facility admission following hindfoot surgery

G. Ryan Rieser, M.D.

The IV versus intraarticular administration of tranexamic acid in total knee arthroplasty

Jason Vourazeris, M.D.

Effects of corticosteroid injection on systemic glucose levels in diabetic and non-diabetic patients

Age-old question: How old is your skeleton?

It seems like a simple question. As old as you are, right?

Not exactly.

Dana Duren, Ph.D., director of orthopaedic research for the Department of Orthopaedic Surgery, Sports Medicine, and Rehabilitation, and associate professor in the Division of Morphological Sciences and Biostatistics at Wright State University's Lifespan Health Research Center, said while skeletons develop in the same way, the timing and tempo can vary from person to person.

One child may develop early, another later; one may develop rapidly and another at a slower pace. On the outside, it's not easy to tell if an 8-year-old has six years or 12 to finish growing.

For some children, finding out exactly how mature their skeleton is and whether they're done growing is critical. Short stature, for example, can indicate a number of health issues, from hormonal disorders to genetic diseases. Diagnosis and treatment can depend on accurately calculating the age of the child's bones and how much time they have left to grow. In an age when medical care has seen so many technological advances, Duren said physicians and researchers still evaluate bone age by looking at X-rays, using information gathered from the great-grandparents of today's children.

\$1.6 million grant to update data

Duren and her colleagues hope to change that. The National Institutes of Health's National Institute of Arthritis, Musculoskeletal and Skin Diseases recently awarded a \$1.6 million grant to Duren's team to update the data used to

determine bone age, expand the data to include a racially and ethnically diverse population, and more accurately predict whether a child's skeletal maturation will speed up or slow down. A second grant of \$50,000 from the Boonshoft School of Medicine's Translational Research Development Grant program will allow them to create an open-source, semi-automated program to calculate bone age.

Duren's co-investigators include Richard Sherwood, Ph.D., director of the Division of Morphology and Biostatistics; Ramzi Nahhas, Ph.D., a biostatistician with the division; Travis Doom, Ph.D., and Thomas Wischgoll, Ph.D., both associate professors of computer science and engineering; Elizabeth Ey, M.D., a pediatric radiologist and medical director of medical imaging at Dayton Children's Hospital; and Babette Zemel, Ph.D., of the University of Pennsylvania School of Medicine Department of Pediatrics.

Their work will focus on the Fels Method for determining bone age, Duren said, which was originally based on data from Wright State's Fels Longitudinal Study.

The study, started in Yellow Springs, Ohio, in 1929, collected a myriad of information on the growth and development of children. Participants were enrolled before birth and tracked throughout their lives. Many of the original participants had children, grandchildren, and even great-grandchildren followed in the study, as well. The data from the Fels study was used to create the pediatric growth charts used from 1978 to 2000 to monitor a child's growth compared to his or her peers.

—Shannon Neal

Advanced Treatment of Elbow Pain

The procedure known as Tenex Health TX combines conventional ultrasound imaging for visualization with an advanced ultrasonic energy delivery system to remove damaged tendon tissue—the source of elbow pain. It was developed by Bernard Morrey, M.D., emeritus chairman and professor of Orthopaedics at the Mayo Clinic and the University of Texas Health Science Center, San Antonio, where Dr. Noyes completed his fellowship training in shoulder and elbow arthroscopy and arthroplasty.

"I was fortunate to receive my fellowship training in the Tenex procedure and elbow surgery from Dr. Morrey," he says. "To date I have performed more than 70 Tenex procedures and have had no complications."

Dr. Noyes is one of a few orthopaedic surgeons between Cleveland and Columbus who currently perform the Tenex procedure. He joined Union Hospital and the East Ohio Orthopaedics practice (formerly Dover Orthopaedics) in September of 2013. In addition to chronic elbow pain, he specializes in

MEDICAL STUDENTS

Medical Students Match in Orthopaedic Surgery

Our medical student program continues to offer many educational experiences for the students at the Boonshoft School of Medicine. This past year, Amber N. McCurdy, B.A., took on the position of research coordinator between medical students and the various departments in the school. This resource aims to connect students with active research projects to enhance the research experiences of the medical students.

Our orthopaedic interest group continues to meet and now has administrative support from Leslie Rohrer (leslie.rohrer@wspi.org). This provides an opportunity to introduce the students to the field of orthopaedics.

Our surgical and nonsurgical rotations continue to provide learning opportunities for all students in addition to those entering orthopaedic surgery residencies.

The 2014 Wright State University Boonshoft School of Medicine graduating class placed four students into orthopaedic surgery programs throughout the country. We are very proud of our graduates and know they will be fine representatives of our university.

Kimberly Grannis, M.D.

UC San Francisco-Fresno, CA

Kevin Magone, M.D.

McLaren Regional Medical Center, Flint, MI

Graham Pallante, M.D.

Mayo School of Graduate Medical Education, Rochester, MN

Peter Shorten, M.D.

University of Vermont/Fletcher Allen, Burlington, VT

arthroscopic rotator cuff repair, shoulder replacement and fractures of the upper extremity.

The Tenex procedure involves a diagnostic ultrasound of the elbow to identify the area of tendonosis. Under local anesthetic, a tiny (3mm) incision is made, through which the Tenex patented probe—the size of a 16-gauge needle—is guided via ultrasound to the diseased area of the tendon. Ultrasonic energy is emitted through the probe to debride and emulsify the diseased tissue, which is then aspirated via the probe. The surrounding healthy tissue is left undisturbed during treatment.

41st Annual Graduation Ceremony

Orthopaedic Surgery Residency Program ■ Dayton Racquet Club ■ June 28, 2014



GRADUATES

J. Christopher Gayton, M.D.

M.D.—Medical College of Georgia, Augusta, GA
Hand, Upper Extremity, & Microvascular Fellowship—Allegheny General Hospital,
Pittsburgh, PA

Jennifer L. Jerele, M.D.

M.D.—Loma Linda University School of Medicine, Loma Linda, CA
Orthopaedic Trauma Surgery Fellowship—Duke University School of Medicine, Durham, NC

Brett C. LaFleur, M.D.

M.D.—Oregon Health & Science University School of Medicine, Portland, OR
Orthopaedic Surgeon—Adventist Health, Tillamook Regional Medical Center, Tillamook, OR

Jason D. Vourazeris, M.D.

M.D.—University of Cincinnati College of Medicine, Cincinnati, OH
Shoulder and Elbow Fellowship—University of Florida, Gainesville, FL

Nicholas F. Quercetti, D.O.—Orthopaedic Trauma Fellow

D.O.—Lake Erie College of Osteopathic Medicine
Internship/Residency—University of Medicine and Dentistry
of New Jersey School of Osteopathic Medicine, Stratford, NJ
Orthopaedic Trauma Surgeon—Delaware Orthopaedic Specialists, Christiana Hospital,
Kent Hospital

DEPARTMENT AWARDS

1st Place Basic Science Award

Brett LaFleur, M.D.

2nd Place Basic Science Award

Jedediah May, M.D.

Dr. Gayton's Teaching Excellence Award

Beth A. Berrettoni, M.D.

Dr. Jerele's Teaching Excellence Award

Timothy F. Peters, D.O.

Dr. LaFleur's Teaching Excellence Award

Michael C. Albert, M.D.

Dr. Vourazeris' Teaching Excellence Award

Michael A. Herbenick, M.D.

Overall Teaching Excellence Award

Richard T. Laughlin, M.D.



PLASTIC SURGERY UPDATE



Alumni

The plastic surgery division at the Boonshoft School of Medicine continues to pursue a goal of collaborative excellence between the academic and private practice faculty. As evidence of this, our graduates continue to contribute to the field of plastic surgery. Todd Hicks is currently serving as the chief of plastic surgery at Miami Valley Hospital. Salim Mancho is the chief of plastic surgery at Dayton Children's Hospital and continues to build his craniofacial practice. Ben Monson is doing well in Las Vegas at Nellis AFB. He successfully completed the American Board of Plastic Surgery Certifying exam in November. Dr. Colin Rymer has returned to Dayton after completing a hand fellowship at Southern Illinois University. Dr. Jason Hedrick has joined the Plastic Surgery Institute of Dayton after completing plastic surgery training at the University of Cincinnati.

Research

Our division has also improved collaboration with the basic scientists at the Wright State University campus. Dr. Kate Excoffon, Ph.D., has joined our faculty in a joint appointment. Dr. Excoffon is an NIH-funded expert in gene therapy and transfer. Our collaboration with her has led to an extramural Plastic Surgery Education Foundation Grant to study VEGF gene transfer in adipose stem cells. She has provided valuable support to the stem cell lab at the Miami Valley Hospital office.

Sunishka Wimalawansa and Justin Fox won the national best paper award from the American Society of Aesthetic Surgery for their analysis of hospital-based postoperative care of cosmetic patients.

Outreach

Our efforts at global health outreach have continued. Dr. Steve Schmidt and the legacy of healing group traveled to Argentina and their team treated a large number of patients. Our fifth year resident Cisco Sanchez-Navarro enjoyed a vast experience on this excursion. Dr. Bill Rigano continued his efforts on a trip to Gabon last year. Drs. Johnson and Mancho continued efforts with the Tiwanaku Project in Oruro, Bolivia. Dr. Mancho participated in lectures on cleft lip and palate in a Smile Train sponsored symposium in Bolivia. Dr. Johnson presented lectures on microsurgery to medical students in Bolivia as well.

Awards

Dr. Johnson is president-elect of the Ohio Valley Society of Plastic Surgeons. The OVSPS includes many prestigious institutions in our region including, but not limited to: The Cleveland Clinic, Case Western, Ohio State, the University of Cincinnati, the University of Pittsburgh, Indiana University, and the University of Louisville. The OVSPS meeting will be held in Dayton in 2016.

Our award winners from last year were: Lindsay Abbott for the Highest In-Training score, Sunishka Wimalawansa and Greg Gould for the Maupin Award for outstanding contributions to plastic surgery, and Salim Mancho was awarded the Outstanding Teaching Award.

A special note of thanks is in order to Drs. Liz Tran and Bill Rigano for outstanding contributions to the plastic surgery conferences. Their constant high level of attendance and sharing of expertise, particularly in improving oral examinations, is extremely valuable to the residents.

The Wright State Plastic Surgery Tissue Lab Update

Led by R. Michael Johnson, M.D., Kate Excoffon, Ph.D., and Sunishka Wimalawansa, M.D., and coordinated by Greg Gould, B.S., the tissue lab continues to develop into a valuable resource for resident and medical student research, while pursuing the goal of obtaining further extramural support.

The Wright State Plastic Surgery Tissue Lab is located in the Orthopaedic and Plastic Surgery clinical office at Miami Valley Hospital. During 2014, the lab was awarded two grants to further their research with adipose stem cells in collaboration with Dr. Katherine Excoffon. The first grant was awarded from the Plastic Surgery Education Foundation for Transgenic Adipose Stem-Cell Mediated VEGF Delivery. This study is designed to develop a novel approach to treating chronic wounds utilizing virally transduced adipose-derived stem cells bioengineered to increase the expression of VEGF. The second grant was awarded from WSU Boonshoft School of Medicine to study bioengineering novel solutions to chronic wounds. Utilizing flaps excised from patients, punch biopsies will be used to create an in-vitro scaffold/container to more accurately study chronic wounds and their healing processes. With the recently IRB approved Human Wound Fluid Repository, the lab will utilize both grants to help develop an NIH proposal to further study adipose-derived stem cells and their possible uses in the healing of chronic wounds.

Dr. Mancho Board Certified

Congratulations to Dr. Salim Mancho, who achieved board certification with the American Board of Plastic Surgery in 2013. Dr. Mancho completed his plastic surgery residency in 2011 and joined the department faculty in 2012.

New Baby

Miles Sunil Wimalawansa

Sunishka Wimalawansa and Andrea Binkley
November 26, 2014
8lb 2 oz, 20" long



Plastic Surgery Residency Graduation

**NCR Country Club
May 31, 2014**

The Division of Plastic Surgery celebrated our 2014 graduate, Sunishka M. Wimalawansa, M.D., at the NCR Country Club. He initially earned a bachelor's in economics and an M.B.A from Rice University in Houston before moving on to medical school. After receiving his M.D. from Baylor College of Medicine in Houston, he joined our Six-Year Combined General Surgery/ Plastic Surgery Residency Program. Following graduation, Sunishka began a fellowship at the Christine M. Kleinert Institute for Hand and Microsurgery with the Division of Hand Surgery, Department of Surgery, at the University of Louisville.

Division of Plastic Surgery Awards

Outstanding Teaching Award
Salim Mancho, D.O.

Academic Achievement Award
Lindsay E. Abbot, M.D.

Gregory E. Maupin Chief's Award for Outstanding Contributions to Plastic Surgery
Sunishka Wimalawansa, M.D.
Greg Gould, B.S.

Visiting Professors

Kenneth J. Moquin, M.D., M.S.
Senior Staff Surgeon and Clinical Instructor
Henry Ford Hospital, Detroit, MI
April 15, 2014
OASIS® Wound Matrix and OASIS® Ultra Tri-Layer matrix: A Sophisticated Structure for Challenging Wounds

Thomas W. Gilbert, Ph.D.
Vice President, Research and Development
ACell, Inc.
July 22, 2014
The Science Behind MatriStem®

Dr. Sunishka Wimalawansa Featured in Dayton Magazine

Courtesy of Dayton Magazine (February/March 2014)

As the son of a renowned endocrinologist growing up in England, Sunishka Wimalawansa knew a medical career was in his future.

"My father was an early role model. Medicine was what we talked about around the dinner table," says Sunishka, a sixth-year resident in plastic surgery at the Boonshoft School of Medicine at Wright State University.

His father, Dr. Sunil Wimalawansa, a native of Sri Lanka, is an author, educator, and innovator in endocrinology, osteoporosis, and metabolic bone disease.

After his family immigrated to Texas, Sunishka graduated from Rice University and enrolled at the Baylor College of Medicine. He still found time to take a year and half out of his medical studies to work as a software engineer in Houston. "I thought for a time I might become an astronaut," he says.

The flexibility at Baylor also allowed him to earn an M.B.A. to have a better grounding on the practical side of medicine.

Sunishka, however, found his calling during a surgical rotation at Baylor when he helped rebuild the nose of a cancer patient and replaced skin on the hand of a worker injured in a machine accident.

Wright State is affiliated with seven major teaching hospitals in the Dayton area, including Miami Valley Hospital and Dayton Children's Medical Center, to give its residents a wide variety of practical experience.

That opportunity for a variety of hands-on experiences and to work with Dr. Michael Johnson, chief of plastic surgery at Wright State, is what drew Sunishka to Dayton. "I really can't think of a better place to train," he says.



2014-2015 Plastic Surgery Residents

Eileen Curry, M.D. (R1/PGY1)
University of Texas School of Medicine at San Antonio
San Antonio, TX

Michelle Sieffert, M.D. (R2/PGY2)
University of Arizona College of Medicine
Tucson, AZ

David Jerkins, M.D. (R3/PGY3)
University of Texas Medical School at Houston
Houston, TX

Maximilian Malotky, M.D. (R1/PGY4)
University of Arkansas for Medical Sciences
College of Medicine
Little Rock, AR

Francisco Sanchez-Navarro, M.D. (R2/PGY5)
University of Iowa Roy J. and Lucille A. Carver College of Medicine
Iowa City, IA

Lindsay Abbott, M.D. (R3/PGY6)
University of Kansas School of Medicine
Kansas City, KS

Publications

- Cox JT, Gayton JC, Noyes MP, Gould GC, Markert RJ, Verwiebe EG, Prayson MJ.** Biomechanical comparison of hybrid versus non-locking screw fixation for midshaft clavicle fractures. *J Contemp Orthop Res.* 2014 Jan;1(1):14-25.
- Kendall I, Vicini A, **Goswami T.** Rheological Model of Force Transmission through the Helmet and Concussion Sensitivity. *Int J Neurorehabilitation.* 2014;1(2):132. doi:10.4172/2376-0281.1000132
- Froehle AW, Laughlin RT, Teel DD, Sherwood RJ, Duren DL.** 2014. Excess body weight loss is associated with non-pathological gait patterns in women 4 to 5 years after bariatric surgery. *Obes Surg* 2014 Feb;24(2):253-9.
- Wimalawansa SM, Fox JP, Johnson RM.** The measurable cost of complications for outpatient cosmetic surgery in patients with mental health diagnoses. *Aesthet Surg J.* 2014 Feb;34(2):306-16. doi: 10.1177/1090820X13519100.
- Kayanja M, Orr RD.** Incidence and outcome of graft resorption in anterior lumbar interbody fusion: using femoral ring allografts and recombinant human bone morphogenetic protein-2. *Spine (Phila Pa 1976).* 2014 Mar 1;39(5):374-80. doi: 10.1097/BRS.000000000000145.
- Zielinski SM, Bouwmans CA, Heetveld MJ, Bhandari M, Patka P, Van Lieshout EM; FAITH trial investigators (**Prayson MJ**). The societal costs of femoral neck fracture patients treated with internal fixation. *Osteoporos Int.* 2014 Mar;25(3):875-85. doi: 10.1007/s00198-013-2487-2. Epub 2013 Sep 27.
- Neuhauser V, Bot AG, Guitton TG, Ring DC, The Science of Variation Group (**Prayson MJ**). Scapula fractures: interobserver reliability of classification and treatment. *J Orthop Trauma.* 2014 Mar;28(3):124-9. doi: 10.1097/BOT.0b013e31829673e2.
- Froehle AW, Dollin N, Laughlin RT, Teel DD, Sherwood RJ, Duren DL.** Bariatric surgery: effects on patient gait and function. *Lower Extremity Review.* March 2014.
- Kimpel DM, Garner CC, Magone KM, May JH, Lawless MW.** Greater trochanteric hip pain. *Orthopaedic Nursing.* 2014 March/April;33(2):95-100.
- Mathew G, Kowalczyk M, Hetaimish B, Bedi A, Philippon MJ, Bhandari M, Simunovic N, Crouch S, Ayeni OR; FAITH Investigators (**Prayson MJ**). Radiographic prevalence of CAM-type femoroacetabular impingement after open reduction and internal fixation of femoral neck fractures. *Knee Surg Sports Traumatol Arthrosc.* 2014 Apr;22(4):793-800. doi: 10.1007/s00167-014-2835-6. Epub 2014 Feb 1.
- Hansen DG, **Abbott LE, Johnson RM, Fox JP.** Variation in Hospital Based Acute Care within 30 days of Outpatient Plastic Surgery. *Plastic and Reconstructive Surgery.* 2014 May 8. [Epub ahead of print]
- FAITH Investigators (**Prayson MJ**). Fixation using alternative implants for the treatment of hip fractures (FAITH): design and rationale for a multi-centre randomized trial comparing sliding hip screws and cancellous screws on revision surgery rates and quality of life in the treatment of femoral neck fractures. *BMC Musculoskelet Disord.* 2014 Jun 26;15:219. doi: 10.1186/1471-2474-15-219.
- Jay Elliot B, Gundapaneni D, **Goswami T.** Finite element analysis of stress and wear characterization in total ankle replacements. *J Mech Behav Biomed Mater.* 2014 Jun;34:134-45. doi: 10.1016/j.jmbbm.2014.01.020. Epub 2014 Feb 12.
- Bruinsma WE, Guitton T, Ring D, Science of Variation Group (**Prayson MJ**). Radiographic loss of contact between radial head fracture fragments is moderately reliable. *Clin Orthop Relat Res.* 2014 Jul;472(7):2113-9. doi: 10.1007/s11999-014-3592-z.
- Tosti R, Ilyas AM, Mellema JJ, Guitton TG, Ring D; Science of Variation Group (**Prayson MJ**). Interobserver variability in the treatment of little finger metacarpal neck fractures. *J Hand Surg Am.* 2014 Sep;39(9):1722-7. doi: 10.1016/j.jhsa.2014.05.023. Epub 2014 Jul 14.
- Dundon JM, Gould GC, Herbenick MA, Hamilton JA.** Cannulated screw with solid core insert: stronger than cannulated screws. *Am J Orthop (Belle Mead NJ).* 2014 Sep;43(9):E191-3.
- Hansen DG, **Abbott LE, Johnson RM, Fox JP.** Variation in hospital-based acute care within 30 days of outpatient plastic surgery. *Plast Reconstr Surg.* 2014 Sep;134(3):370e-378e. doi: 10.1097/PRS.0000000000000442.
- Sadoghi P, Roush G, Kastner N, Leithner A, Sommitsch C, **Goswami T.** Failure modes for total ankle arthroplasty: a statistical analysis of the Norwegian Arthroplasty Register. *Arch Orthop Trauma Surg.* 2014 Oct;134(10):1361-8. doi: 10.1007/s00402-014-2067-8. Epub 2014 Aug 1.
- Lubelski D, McCormick WE, Ferrara L, Benzel EC, **Kayanja M.** A cadaveric analysis of cervical fixation: the effect of intermediate fixation points and dynamization in multilevel cervical fusions. *J Neurosurg Spine.* 2014 Nov;21(5):736-42. doi: 10.3171/2014.7.SPINE13957. Epub 2014 Sep 5.
- Cox JT, Shorten PL, Gould GC, Markert RJ, Barnett MD, Laughlin RT.** Knotted versus knotless suture bridge repair of the Achilles tendon insertion: a biomechanical study. *Am J Sports Med.* 2014 Nov;42(11):2727-33.
—Presented at the Mid-America Orthopaedic Association, San Antonio, TX, April 26, 2014.
—Presented at the Ohio Orthopaedic Society Annual Meeting, Columbus, OH, May 16, 2014.
- Zielinski SM, Keijsers NL, Praet SF, Heetveld MJ, Bhandari M, Wilssens JP, Patka P, Van Lieshout EM; FAITH Trial Investigators (**Prayson MJ**). Functional outcome after successful internal fixation versus salvage arthroplasty of patients with a femoral neck fracture. *J Orthop Trauma.* 2014 Dec;28(12):e273-80. doi: 10.1097/BOT.000000000000123.
- Gundapaneni D, **Goswami T.** Thermal isotherms in PMMA and cell necrosis during total hip arthroplasty. *J Appl Biomater Funct Mater.* 2014 Dec 30;12(3):193-202. doi: 10.5301/jab-fm.5000196.
- Mellema JJ, Doornberg JN, Guitton TG, Ring D; Science of Variation Group (**Prayson MJ**). Biomechanical studies: science (for common sense)? *Injury.* 2014 Dec;45(12):2035-9. doi: 10.1016/j.injury.2014.09.014. Epub 2014 Sep 28.

Accepted for Publication

- Gundapaneni D, Tsatalis JT, **Laughlin RT, Goswami T.** Wear characteristics of WSU of total ankle replacement devices under shear and torsion loads. *Journal of the Mechanical Behavior of Biomedical Materials.* December 2014.
- DiPaola MJ, Abzug JM, Pizzutillo PD, Herman MJ.** Incidence and etiology of unplanned cast changes for fractures in the pediatric population. *Journal of Pediatric Orthopedics.*
- DiPaolo Z, Ross M, Laughlin RT, Gould G, Flower K, Kiger L, Markert R.** Proximal phalanx and flexor digitorum longus tendon biomechanics in flexor to extensor tendon transfer. *Journal of Foot and Ankle Surgery.*
- Duren DL, Nahhas RW, Sherwood RJ.** Do secular trends in skeletal maturity occur equally in both sexes? *Clinical Orthopaedics and Related Research.*
- Luckenbill D, Goswami R, Grannis KA, O'Neill J, Goswami T.** Retrospective lumbar fusion outcomes measured by ODI sub-functions of 100 consecutive procedures. *Arch Orthop Trauma Surg.*
- Roche CP, Stroud NJ, Lurin PH, Wright TW, Zuckerman JD, **DiPaola MJ.** Reverse shoulder glenoid baseplate fixation: a comparison of flat-back versus curved-back designs and oval versus circular designs with 2 different offset glenospheres. *Journal of Pediatric Orthopedics.*
- Seselaj M, **Duren DL, Sherwood RJ.** Heritability of the human craniofacial complex. *Anatomical Record.*
- Sherwood RJ, Duren DL.** Variation, genetics, and evolution of the primate craniofacial complex. In *Genome Mapping and Genomics in Human and Non-Human Primates.* (Duggirala R, Comuzzie AG, Williams-Blangero S, Kole C, eds). *Springer.*
- Stitgen A, Poludnianyk K, Dulaney-Cripe E, Markert R, Prayson MJ.** Adherence to preoperative cardiac clearance guidelines in hip fracture patients. *Journal of Orthopaedic Trauma.*
—Presented at the Ohio Orthopaedic Society Annual Meeting, Columbus, OH, May 16, 2014.
3rd Place – Resident Paper Contest
—Poster presented at the Orthopaedic Trauma Association Annual Meeting, Tampa, FL, October 16-18, 2014. **Selected for the Hip, Femur, Geriatric Poster Tour Session.**

Presentations

Ellis CJ. WSU Family Medicine Musculoskeletal Workshop. Presented at WSP Health Center, Fairborn, OH, January 2014.

Johnson RM. Reconstructive microsurgery. Presented at the Wright State University Boonshoft School of Medicine Surgical Grand Rounds, Kettering Medical Center, Kettering, OH, January 2014.

DiPaola MJ. Minimally invasive shoulder surgery. Presented at the Wright State Orthopaedics Educational Session to the Public, Fairborn, OH, February 18, 2014.

Ellis CJ. Focus Group. Presented at WSP Health Center, Fairborn, OH, February 2014.

Herbenick MA. Knee bracing: clinical indications and use in the young athletic population. Presented at the Orthotics and Prosthetics Symposium, Dayton, OH, March 2014.

Johnson RM. Microsurgery. Presented at the Hospital San Juan de Dios and Universidad Technico Medico, Oruro, Bolivia, March 2014.

Ellis CJ. Concussion updates. Presented at the Wright State Orthopaedics Educational Session to the Public, Fairborn, OH, April 15, 2014.

Albert MC, LaFleur B. Hybrid fixation with sublaminar polyester bands in the treatment of neuromuscular scoliosis: a comparative analysis. Presented at the Mid-America Orthopaedic Association Annual Meeting, San Antonio, TX, April 25, 2014.

Anderson MJ, Coffey MJ, Krishnamurthy AB. Revision total knee arthroplasty in a veteran population. Presented at the Mid-America Orthopaedic Association Annual Meeting, San Antonio, TX, April 25, 2014.

Cavo M, Fox J, Markert R, Laughlin RT. Association between diabetes, obesity, and short-term outcomes among patients surgically treated for ankle fractures. Presented at the Mid-America Orthopaedic Association Annual Meeting, San Antonio, TX, April 26, 2014.

Knoll P, Chu J, Cox J, Hamilton R, Boivin G, Laughlin RT. Effect of exercise and glycemic control on diabetic mouse (db/db) Achilles tendon. Presented at the Mid-America Orthopaedic Association Annual Meeting, San Antonio, TX, April 26, 2014.
—AOFAS Grant

Ellis CJ. ENT Lecture. Presented at WSP Health Center, Fairborn, OH, April 2014.

Ellis CJ. WSU Family Medicine Musculoskeletal Workshop. Presented at WSP Health Center, Fairborn, OH, April 2014.

Ellis CJ. WSU Psych Resident Workshop. Presented at WSP Health Center, Fairborn, OH, April 2014.

Ellis CJ. WSU Department of Orthopaedic Symposium. Presented at Nutter Center, Fairborn, OH, May 2014.

Johnson RM. Sun protection and skin care. Presented at the Wright State Orthopaedics Educational Session to the Public, Fairborn, OH, May 2014.

Binski JC.

Lecturer: Incorporating the foot – when and how
—Deformities of the hindfoot
—TSF in open tibia fractures
Lecturer & Lab: Cubitus varus
Paper Lab: Supramalleolar with extrinsic origin.
Advanced Taylor Spatial Frame Course, Memphis, TN. June 6-7, 2014.

Rubino LJ. Rotator cuff tears and repairs. Presented at the Wright State Orthopaedics Educational Session to the Public, Fairborn, OH, June 24, 2014.

Ellis CJ. WSU Family Medicine Musculoskeletal Workshop. Presented at WSP Health Center, Fairborn, OH, July 2014.

Barbour GL. Forefoot Injuries. Presented at the Wright State Orthopaedics Educational Session to the Public, Fairborn, OH, August 19, 2014.

Binski JC.

Lecturer/Lab Instructor: Segmental bone transport optimizing the outcome
—Six-axis external fixation lab. 24th Baltimore Limb Deformity Course, Baltimore, MD, August 29-31, 2014.

Ellis CJ. WSU Family Medicine Musculoskeletal Workshop. Presented at WSP Health Center, Fairborn, OH, August 2014.

Binski JC.

Lecturer: Safe pin/wire patterns
—upper extremity. 24th Annual Limb Deformity Post Course-Taylor Spatial Frame: Back to Basics, Baltimore, MD, September 1, 2014.

Binski JC.

Lecturer: Introduction to TSF—indications & scope
—Biology of regenerate & corticotomy technique.
Lecturer/Lab Instructor: Distal tibial malunion. Essentials of Taylor Spatial Frame, Memphis, TN, September 12-13, 2014.

Barnett MD. Ankle arthritis. Presented at the Wright State Orthopaedics Educational Session to the Public, Fairborn, OH, September 16, 2014.

Barbour GL. Foot and ankle pain and injuries. Presented to the public at Good Samaritan North Health Center, Huber Heights, OH, September 17, 2014.

DiPaola MJ. Joint pain of the shoulder. Presented to the public at Miami Valley Hospital South, Dayton, OH, September 18, 2014.

Ellis CJ. Concussion teacher in-service. Presented at Fairborn High School, Fairborn, OH, September 2014.

Ellis CJ. WSU athletic training talk #1: minor office procedures. Presented at the WSP Health Center, Fairborn, OH, September 2014.

Herbenick MA. Upper extremity orthopaedics surgery. Presented at the University of Dayton Doctorate Physical Therapy Program, Dayton, OH, September 2014.

Herbenick MA. Surgical treatment of the shoulder. Presented at the Wright State University Athletic Training, Dayton, OH, October 2014.

Laughlin RT. Joint pain of the foot and ankle. Presented to the public at Miami Valley Hospital South, Dayton, OH, November 11, 2014.

Kayanja MM. Common spine conditions. Presented at the Wright State Orthopaedics Educational Session to the Public, Fairborn, OH, November 18, 2014.

Ellis CJ. WSU Athletic Training Education Workshop. Presented at WSP Health Center, Fairborn, OH, November 2014.

Ellis CJ. WSU Family Medicine Musculoskeletal Workshop. Presented at WSP Health Center, Fairborn, OH, November 2014.

Ellis CJ. WSU Physical Therapy Workshop. Presented at University of Dayton, Dayton, OH, November 2014.

Grants

Johnson RM (PI), Excoffon K (Co-PI), Wimalawansa SM (Co-PI). Transgenic Adipose Stem Cell-Mediated VEGF Delivery. May 2014 \$10,000

Excoffon K (PI), Johnson RM (Co-PI). A Novel In-Vitro Model of Chronic Wound Healing. July 2014. \$50,000

Duren DL (PI). FelsXpress: a semi-automated computer program for assessment of skeletal maturity in children. Wright State University Boonshoft School of Medicine Translational Research Development Grant. 2014-2016. \$50,000.

Duren DL (PI), Doom T, Nahhas R, Sherwood RJ. Updating skeletal maturity for U.S. children. 2014-2019. NIH. \$2,015,859.

Cox JT. The influence of age at menarche and sports participation on knee morphology, knee biomechanics, and prevalence of ACL rupture. DAGMEC Resident Research and Fellow Support Grant. \$2,500.

DiPaola MJ. Evaluating electronic tablets in outcomes based orthopedic research. DAGMEC Community Seed Grant. \$1850.



UPCOMING EVENTS

Orthopaedics

June 19, 2015

Residency Graduation Dinner
NCR Country Club

July 2, 2015

Department Outing
Dayton Dragons

December 11, 2015

Department Holiday Party
NCR Country Club

Plastic Surgery

June 27, 2015

Graduation Celebration for
Lindsay E. Abbott, M.D.
Dominique's Bistro, Oakwood

BABIES

Francesca Rose Cavo

Matt and Tara Cavo
February 24, 2014
7 lbs. 2 oz. ■ 20" long

Lucy Amelia Cox

Joseph and Lynsey Cox
August 25, 2014
8 lbs. 13 oz. ■ 21" long

Kamille Simone DiPaola

Matthew and Krystene DiPaola
November 20, 2014
8 bs. 7 oz. ■ 20" long

Alexandra Ann Dundon

John and Suzanne Dundon
May 14, 2014
7 lbs. 10 oz. ■ 20.5" long

Grace Ann Gayton

Chris and Suzanne Gayton
Jan. 23, 2014
6 lbs. 8 oz.

Howard Sorin Knoll

Peter and Megan Knoll
March 7, 2014
9 lbs. 5 oz. ■ 21" long

Charlotte Diana Rieser

Ryan and Susan Rieser
September 16, 2014
6 lbs. 13 oz. ■ 18.75" long

WEDDINGS

Christopher Wild and Marina Pickens

May 24, 2014
Skiatook, Oklahoma