



Orthopaedic Surgery and Rehabilitation

BREAKING NEWS

FALL 2009

For Graduates and Friends of the University of Nebraska Medical Center Department of Orthopaedic Surgery and Rehabilitation

Graduation Speakers Draw Large Crowd, Special Guest



Left to right: Department Chairman Dr. Kevin Garvin, Omaha philanthropist Ruth Scott, and Dr. Lawrence Dorr, founder and medical director of The Dorr Arthritis Institute.

Each year the audience for our graduation talks seems to grow, and this year found a special guest sitting inconspicuously amongst the rest. Omaha philanthropist Ruth Scott, listened to the words of visiting professor Dr. Lawrence Dorr, founder and medical director of The Dorr Arthritis Institute in Los Angeles, and said it left her inspired.

Dr. Dorr, a world leader in hip and joint replacement surgery, once helped a good friend of Scott's get needed treatment by referring her to Dr. Kevin Garvin, chairman of the Department of Orthopaedic Surgery. That referral resulted in a longstanding relationship between the Scotts and the orthopaedic department, focused on improving the quality of life for arthritis sufferers.

All seats were filled during Dr. Dorr's talk entitled "Medicine, My Medicine" which chronicled some of his extraordinary experiences with Operation Walk, a private,

non-profit organization Dr. Dorr started in 1995. Operation Walk allows physicians, nurses and volunteers travel to medically impoverished locales and perform free surgical treatment for patients with disabling arthritis or other debilitating bone and joint conditions.

Mark Gilbert, a portrait artist from Scotland who served as UNMC's artist-in-residence for two years, presented "Art and Medicine", a moving account of his experiences while completing a series of portraits of patients and caregivers for a research project that explored the connections between art and medicine.

Also on Friday, graduating residents Drs. Erica Burns, Casey Johnston, Brian Kleiber, Justin Siebler, gave their final presentations entitled: "Radiolucencies Surrounding a Smooth-Stemmed Radial Head Component May Not Correlate with Forearm Pain or Poor Elbow Function"; "Bridge Plating for Primarily Ligamentous Lisfranc Fractures"; "Effect of Pars Repair on Disk Morphology in Adolescents with Spondylolysis"; and "A Two Year Minimum Follow-Up Outcome Study of Non-Operative Treatment of Denis Zone III Sacral Fractures", respectively.

Alumni updates (new this year) were

presented by Erik Otterberg, M.D. (10-year) and Samuel Smith, M.D. (20-year).

Following the presentations, attendees enjoyed the golf outing and BBQ held at Field Club Golf Course.

Saturday's events began with a panel discussion regarding, "Perioperative Management of Total Hip Arthroplasty." The panel included Drs. Lawrence Dorr, Roy Guse, Sam Phillips, Beau Konigsberg, Craig Mahoney, and was moderated by Dr. Kevin Garvin. The second session, "Surgical Approaches," was moderated by Dr. Dorr, with short presentations by Drs. Ajoy Jana (Direct Anterior Approach), Erik Otterberg (Anterolateral Approach), and John Wright (Mini Posterior Approach).

"Bearing Surfaces: My Choice in 2009" was the topic of the third session, moderated by Dr. Garvin, with short talks by Drs. Hani Haider (Nebraska's Friction and Wear Tests on Total Hip Replacement Systems), Curtis Hartman (Metal-on-Metal), Kent Boese (Ceramic) and Craig Mahoney (Metal-Polyethylene). Session four included case presentations and a panel discussion by Drs. Curtis Hartman, Ed Prince, Kent Boese, moderated by Dr. Garvin. The graduation talks concluded with Dr. Dorr presenting "Orthopedic Antitoxin."

Saturday evening's banquet was held at the Omaha Country Club, featuring the annual chief resident roast and award ceremony. Dr. Justin Siebler was honored this year with the Frank P. Stone, MD, Award for Academic Excellence, and Dr. Edward Fehringer was presented with the Award for Faculty Excellence in Teaching.

(Continued on page 3)

A Message From the Chair

Welcome to the fall 2009 issue of *Breaking News*. With what seems like an early onset of fall this year, we find ourselves with much to do before the arrival of year's end, and as always, reflecting on the events of the past few months. In this issue we introduce the newest additions to our department, including the residency class of 2014, as well as the newest faculty member to join our team, Dr. Curtis Hartman.

I would like to point your attention to a special article below regarding the "Connolly kick-off." In honor of the late Dr. John Connolly, a pioneer of the University of Nebraska-Creighton University joint resident program and chair of the department from 1974-1990, the department has recently established a goal to raise \$150,000 to donate to the John F. Connolly Resident Excellence Fund. I strongly encourage you to consider honoring this legendary individual, teacher, surgeon, and friend, by making a donation.

Drs. Paul Duwelius (1987) and Dr. Roy Guse (1990) have taken a special interest in this project, about which I invite you to read more below.

In every fall issue of *Breaking News*, we take the opportunity to thank all individuals and organizations that have supported our department during this fiscal year through an Honor Roll of Contributors (see page 7). Thank you for your continued support!

I hope to see you at the American Academy of Orthopaedic Surgeon's 77th annual meeting in New Orleans, Louisiana, March 9-13, 2010. Mark your calendar and be sure to stop by the Nebraska Orthopaedic Alumni Reception on March 12th. Watch for a formal invitation to arrive in the next few months!



Dr. Kevin L. Garvin

Connolly Kick-off Officially Underway



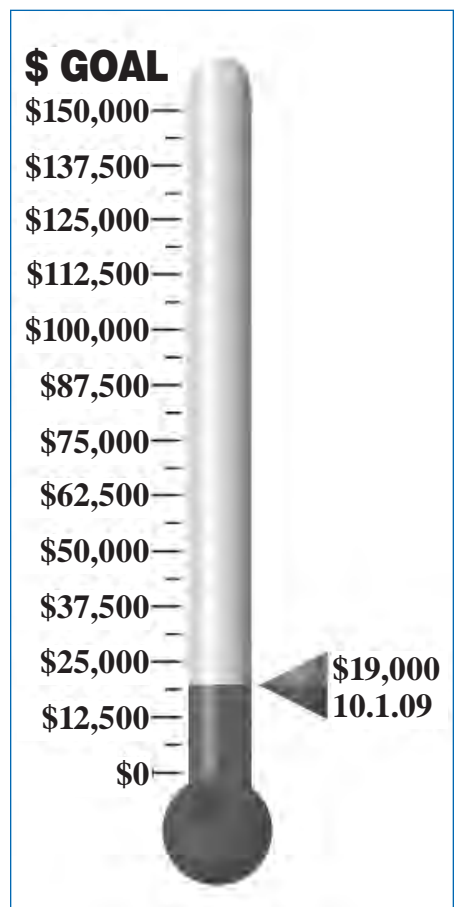
Dr. John Connolly, Chair 1974-1990.

The department has recently established a goal to raise \$150,000, to be donated to the John F. Connolly Resident Excellence Fund in honor of the late Dr. John Connolly (Chair 1974-1990). Department alumni, Dr. Paul

Duwelius (1987) and Dr. Roy Guse (1990), have spear-headed this effort to continue the legacy of resident research and education that Dr. Connolly fostered. Earlier this year, a call went out to all residents who studied under Dr. Connolly to make a personal pledge to help us reach our goal, and we wanted to let you know how we are doing. We will continue to show our progress in each subsequent issue of *Breaking News*, until the goal has been reached.

The purpose of this fund is to provide financial support for resident projects during their years in training. Please consider supporting our residency program by making a donation in honor of Dr. Connolly. We would like to thank those who have contributed for their support.

All gifts to this fund will be received and managed as a permanent endowment by the University of Nebraska Foundation. If you have questions about making a donation or a pledge, please contact Betsy Berentson at the Foundation at (402) 502-4115.



Dr. Susan Scherl Accepted for AOA Traveling Fellowship



Congratulations to Dr. Susan Scherl who was recently chosen to by the American Orthopaedic Association to be a 2010 AOA –ASG (Austrian, Swiss, German) Exchange Traveling Fellow! In April of 2010, Dr. Scherl will spend up to six weeks touring orthopaedic institutions in Austria, Switzerland and Germany. The AOA joined this program in 1984, which promotes international travel for the exchange of medical ideas.

Graduation Speakers Draw Large Crowd, Special Guest

(Continued from page 1)

Graduation is an important event that allows the department to recognize our graduating residents and their many accomplishments. Contributions made by alumni and friends to the department's Development Fund help to sponsor various events throughout the year, including graduation.



Left to right: Drs. Erica Burns, Casey Johnston, Matthew Mormino (residency program director), Kevin Garvin (chair), Brian Kleiber and Justin Siebler during the June graduation ceremonies at the Michael F. Sorrell Center for Health Science Education.

Below is a list of this year's graduating residents and the fellowship opportunities they have chosen:

Erica Burns, M.D.: Shoulder and Elbow Fellowship, University of Washington Medical Center, Seattle, WA

Casey Johnston, M.D.: Sports Medicine Fellowship, Minnesota Sports Medicine, Minneapolis, MN

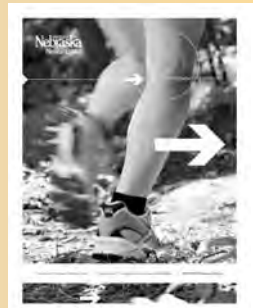
Brian Kleiber, M.D.: Foot and Ankle Fellowship, Washington University Medical Center, St. Louis, MO

Justin Siebler, M.D.: Orthopaedic Trauma Fellowship, Florida Orthopaedic Institute, Tampa, FL

Department Report Garners Nebraska Bronze Quill Award

The Nebraska Bronze Quill Awards recognize the best communication work in the state during 2008. David Day and Associates, the marketing firm that completed the discovery, creative and design work for the department's 2006-2007 Orthopaedic

Biennial Report, felt that it fit the bill. They submitted it – and were honored with an Award of Merit in the category of Annual Reports. The award was presented at *The Masters Tournament of Great Communications* in May of 2009, by the International Association of Business Communicators Omaha Chapter.



New Faculty: Meet Curtis W. Hartman, M.D.



In August of this year, the Department of Orthopaedic Surgery welcomed Dr. Curtis Hartman, the third adult reconstructive surgeon to join our full-time faculty. Dr. Hartman is an assistant professor who specializes in providing comprehensive care for adult patients suffering from hip and knee arthritis. His other interests include revision of failed hip and knee replacements and the management of infected hip and knee replacements.

Dr. Hartman received his medical degree at the University of Missouri in 2003, and

completed his orthopaedic surgery residency at the University of Nebraska/Creighton University Medical Center Health Foundation in 2008. Following residency, Dr. Hartman completed an Adult Reconstruction Fellowship at Rush University Medical Center/Central DuPage Hospital, in Chicago, Illinois, in 2009. He is a candidate member of the American Academy of Orthopaedic Surgeons and a member of the American Orthopaedic Association's Emerging Leaders Program.

Dr. Kevin Garvin Elected to Council of Orthopaedic Residency Coordinators (CORD)



The challenges of educating orthopaedic residents have become more complex and time-consuming over the years. Recognizing an overwhelming need for a counsel of musculoskeletal educators dedicated to helping overcome these challenges, the American Orthopaedic Association (AOA) formed an organization with the vision to provide orthopaedic residents and fellows with exemplary education and leadership skills. During this year's annual meeting in Bonita Springs, the AOA elected the first governing body of the Council of Orthopaedic Residency Coordinators (CORD), and Dr. Kevin Garvin, chair of the Department of Orthopaedic Surgery, has the privilege to be amongst the first elected to the board.

CORD's mission is defined as "a professional and educational alliance dedicated to the promotion of excellence in Graduate Medical Education in musculoskeletal education."

"This organization is designed to fulfill a longstanding need for leaders in musculoskeletal education to unite; to determine what is working and what is not," said Dr. Garvin. "Every day we are given the opportunity to guide orthopaedic residents in their training to become superior surgeons and future educators, and we must continually evaluate and ensure that we are making the most of that opportunity."

The CORD governing body consists of Chair Dr. Keith Kenter (University of Cincinnati), Vice Chair Dr. Robert Sterling (University of Maryland), Secretary/Treasurer Dr. Ann Van Heest (University of Minnesota), and Board Members Dr. Kevin Garvin (University of Nebraska-Creighton University) and Dr. Sanford Emery (West Virginia University).



CORD objectives:

- Identify common challenges by providing a forum for the exchange of ideas among leaders in orthopaedic programs in academic and community-based settings
- Develop solutions to problems in the educational infrastructure
- Identify best practices in orthopaedic residency programs
- Maximize fellowship education
- Achieve common educational goals

Faculty Publications, Presentations, and Honors

Department faculty members present many lectures, seminars, and courses locally, regionally and nationally. They also serve in leadership positions and offices for local, state, national and international organizations. Here are some of our faculty and staff's presentations and publications, awards and achievements, offices held, and other professional activities from June – October 2009.

Publications:

Esposito, P., and Esposito, L.: Reemergence of the Trampoline as a Recreational Activity and Competitive Sport. *Current Sports Medicine Reports*, 8(5): 273-277, September/October 2009.

Garvin, K.; Backstein, K.; Pellegrini, J., V; Kim, R.; and Lewallen, D.: Dealing with Complications. *J Bone Joint Surg*, 91A(Suppl.5): 18-21, August 2009.

Levings, P.; McGarry, S.; Currie, T.; Nickerson, D.; McClellan, S.; Ghivizzani, S.; Steindler, D.; and Gibbs, C.: Expression of an exogenous human Oct-4 promoter identifies tumor-initiating cells in osteosarcoma. *Cancer Res*, 69(14): 5648-55, July 7, 2009. Epub July 7, 2009.

Nystrom, A.; Ginsburg, G.; Stuber, W.; and Dejong, S.: Pre- and Post-operative Gait Analysis for Evaluation of Chronic Neck Pain in Chronic Whiplash. *J Brachial Plex Peripher Nerve Inj*, 4(1): 10, July 2009.

Lian, J.; Zhang, J.; Namavar, F.; Zhang, Y.; Lu, F.; Haider, H.; Garvin, K.; Weber, W.; and Ewing, R.: Ion Beam-induced Amorphous-to-tetragonal Phase Transformation and Grain Growth of Nanocrystalline Zirconia. *Nanotechnology*, 20(24): 1-7, June 17, 2009.

Natarajan, N.; Hoskoppal, A.; Chatterjee, A.; Varman, M.; McCann, R.; Esposito, P.; and Gordon, B.: Neuroblastoma in a child with persistent hip pain. *Consultant for Pediatricians*, 18(5): 175-181, May 2009.

Book Chapters and Reviews:

Lauder, A.: Carpal Avascular Necrosis - Kienböck's Disease and Preiser's Disease. In *Principles of Hand Surgery and Therapy*, Chapter 24, Eds. Trumble, T.; Rayan, G.; Budoff, J.; and Baratz, M., Saunders Elsevier, Philadelphia, PA, October 15, 2009.

Garvin, K., and Hartman, C.: Cementless Acetabular Fixation. In *Surgical Treatment of the Hip, Arthritis: Reconstruction, Replacement, Revision*. Chapter 18: 151-155. Eds. Hozack, W.; Parvizi, J.; and Bender, B., Saunders Elsevier, September 2009.

Garvin, K., and Hartman, C.: Neurovascular Complications in Total Hip Arthroplasty. In *Surgical Treatment of the Hip, Arthritis: Reconstruction, Replacement, Revision*. Chapter 55: 407-413. Eds. Hozack, W.; Parvizi, J.; and Bender, B., Saunders Elsevier, September 2009.

Haider, H.: Tribological Assessment of UHMWPE in the Knee. In *UHMWPE Biomaterials Handbook*, Second Edition, Chapter 26: 381-408. Ed. Steven M. Kurtz, PhD, Academic Press, June 2009.

Pettrone, S.; Lauder, A.; and Trumble, T.: Ulnar Impaction Syndrome. In *Arthritis and Arthroplasty: The Hand, Wrist, and Elbow*, Chapter 7, Eds. Chabra, A., and Isaacs, J., Saunders Elsevier, Philadelphia, PA, 2009.

Lauder, A., and Trumble, T.: The Ulnar Shortening Osteotomy. In *Fractures and Injuries of the Distal Radius and Carpus – The Cutting Edge*, Chapter 32, Eds. Slutsky, D., and Osterman, A., Saunders Elsevier, Philadelphia, PA, 2009.

Honors, Awards and Achievements:

Congratulations to **Dr. Susan Scherl** who was recently selected to be a 2010 AOA –ASG (Austrian, Swiss, German) Exchange Traveling Fellow by the American Orthopaedic Association (see page 3).

Kudos to **Dr. Edward Fehring, Dr. Hani Haider, and Research Associate Andres Barrera**, who on October 1, 2009, each received a New Invention Notification Award from UNMC and UNeMed Corp, honoring individuals for new inventions, patents and licensed technology that occurred during the 2008-2009 academic year.

Congratulations to **Dr. Paul Esposito** who was appointed to the Board of the US Bone and Joint Decade for a two year term, and is serving as the Liaison Representative of the American Academy of Pediatrics and Co-chairman of the Pediatric Strategic Planning Group. Dr. Esposito attended the International Bone and Joint Decade Conference in Washington, DC, October 21-24th.

In September, **Dr. Hani Haider** was the main invited international guest speaker at the *Symposium on Cobalt-based Alloys for Biomedical Applications*, organized by the Iwate Industry Promotion Center and MEXT (Ministry of Education, Culture, Sports, Science and Technology) of Japan, in Marioka, Japan.

Also in September, **Dr. Miguel Daccarett** was recognized with a 2008 Patient's Choice Award by the American Registry.

Eight department faculty members were named to the 2009-2010 Best Doctors in America list in August of this year. Congrats to **Drs. Paul Esposito, Edward Fehring, Kevin Garvin, Glen Ginsburg, Brian Hasley, Matthew Mormino, N. Ake Nystrom, and Susan Scherl!**

Kudos to **Dr. Mark Dietrich** who became Board Certified by the American Board of Orthopaedic Surgery in August!

In June of this year, **Dr. Glen Ginsburg** had the opportunity to travel to Germany and observe complex spinal deformity surgeries performed by Dr. Jurgen Harms, Professor für Orthopädische Chirurgie, Universität von Saarland, in Karlsbaad, Germany.

Also in June, **Dr. Matthew Mormino** received notification that he passed the 2009 Recertification Examination and is now certified by the American Board of Orthopaedic Surgery through 2019.

Kudos to **Dr. Dan Firestone** who was the recipient of a Spotlight Award from Children's Hospital in recognition of outstanding service!

Memberships and Offices Held:

Garvin, K.: Board Member (elected), Council of Orthopaedic Residency Directors (CORD), American Orthopaedic Association, 2009-2012.

Haider, H.: Appointed chair, Education Committee, 22nd Annual Congress of the International Society for Technology in Arthroplasty - Past, Present and Future of Arthroplasty, Hawaii, October 22-24, 2009.

Haider, H.: Invited chair, Session 1-A: Orthopedic Imaging (second chair Dr. Robert Booth), 22nd Annual Congress of the International Society for Technology in Arthroplasty - Past, Present and Future of Arthroplasty, Hawaii, October 22-24, 2009.

Haider, H.: Chairman, Biotechnology Committee, Iraqi American Academic and Professional Community Program, organized by the Iraqi Cultural Center, Washington, DC, 2009. Invited talk: October 3, 2009, introducing the work and progress of the committee.

Ginsburg, G.: Patient Education Committee, Scoliosis Research Society, September 2009 - September 2010.

Lauder, A.: Active Fellow, American Association of Orthopaedic Surgeons, September 2009.

McGarry, S.: Active Fellow, American Association of Orthopaedic Surgeons, September 2009.

(Continued on page 6)

Publications, Presentations, and Honors

(Continued from page 5)

Scherl, S.: Editorial Board "Resident Review", Pediatric Orthopaedic Society of North America, June 2009 – present.

Reed, L.: Active Member, Mid-America Orthopaedic Association, May 2009.

Fehringer, E.: President-Elect, Nebraska Orthopaedic Society, 2009-2010.

Scherl, S.: Specialty Day Planning Committee, Orthopaedic Trauma Association, 2009-2010 (2 years).

Scherl, S.: Member Services Project Team, Orthopaedic Trauma Association, 2009-2010 (2 years).

Lauder, A.: Member, Products and Publications Advisory Committee, American Society for Surgery for the Hand, 2009.

Recent Grants Received:

Haider, H.: An in-vitro wear durability study of the ESKA hip resurfacing components, & ceramic-on-UHMWPE total hip replacement systems. Collaborative research, ESKA Implants GmbH & Co. KG/Germany. May 2009. Principal Investigator.

Haider, H.: Design and implementation of novel testing methodology for durability of novel partial tibiofemoral cartilage replacement components, Collaborative research, Arthrex Inc./FL, June 2009. Principal Investigator.

Haider, H.: A biomechanical study to investigate the effectiveness of short locked intramedullary nailing constructs versus locked plate and screw constructs for proximal humerus neck fractures tested with simultaneous multi-axial loading. Collaborative research, Tornier, Inc./France, June 2009. Principal Investigator.

Haider, H.: Wear study of Arthrex AR-1200 X-Large femoral and tibial unicompartmental knee systems. Collaborative research, Arthrex, Inc./FL, June 2009. Principal Investigator.

Haider, H.: Characterization of Vitamin E blended UHMWPE as a bearing with CoCr and Biolox Delta femoral hip components. Collaborative research, Exponnet Inc. and Stelkast/PA, August 2009. Principal Investigator.

Haider, H.: An in-vitro study of wear of the Implanet Genou posterior-stabilized mobile bearing knee system. Collaborative research, Implanet/France and Empirical Testing

Corporation/ Colorado Springs, PA, August 2009. Principal Investigator.

Presentations, International and National:

Carlson, M.; Sun, J.; Cotton, J.; Burns, E.; and Fehringer, E.: Healed Cuff Repairs Have Scores Equal to Normal Shoulders in Those 65 Years and Older. *American Shoulder and Elbow Surgeons closed meeting*, New York, NY, October 25, 2009.

Nystrom, A.: Invited Panelist: How Painful - Treating the Patient with Chronic Pain. *American Society of Plastic Surgeons Annual Meeting*, Seattle, WA, Moderator: Gregory Dumanina, MD; Other panelists: Ivica Ducic, MD; Douglas Smith, MD, October 24, 2009.

Garvin, K.; Barrera, O.; and Haider, H.: Podium paper: Navigation in TKA: Arguments (not) for the use of navigation. *International Society for Technology in Arthroplasty Annual Congress*, Waikoloa, Hawaii, October 22-24, 2009.

Haider, H.; Barrera, O.; and Garvin, K.: Podium paper: Smart-saw for Navigated Freehand Bone Cutting for TKR: Putting Full Control of the CAOS System in the Hands of the Surgeon. *Proceedings of the 22nd Annual Congress of the International Society for Technology in Arthroplasty (ISTA)*, Waikoloa, Hawaii, October 22-24, 2009.

Barrera, O.; Garvin, K.; and Haider, H.: Podium paper: Comparing Manual Dexterity between Different Ortho Residents. *Proceedings of the 22nd Annual Congress of the International Society for Technology in Arthroplasty (ISTA)*, Waikoloa, Hawaii, October 22-24, 2009.

Barrera, O.; Menghini, M.; Garvin, K.; and Haider, H.: Poster: Introduction of a Navigated Bone Ink-jet Marker to Improve Surgical Plan Transfer and Cutting Speed. *Proceedings of the 22nd Annual Congress of the International Society for Technology in Arthroplasty (ISTA)*, Waikoloa, Hawaii, October 22-24, 2009.

Haider, H.; Weisenberger, J.; and Garvin, K.: Podium paper: Effect of Bearing Material and Size on Total Hip Replacements: Comparison of 14 Different Designs under the Same Testing Conditions. *Proceedings of the 22nd Annual Congress of the International Society for Technology in Arthroplasty (ISTA)*, Waikoloa, Hawaii, October 22-24, 2009.

Weisenberger, J.; Hovendick, S.; Garvin, K.; and Haider, H.: Podium paper: How Durable are Titanium Nitride Coatings on Total Hip Replacements? *Proceedings of the 22nd Annual Congress of the International Society for Technology in Arthroplasty (ISTA)*, Waikoloa, Hawaii, October 22-24, 2009.

Weisenberger, J.; Naylor, M.; Schroeder, D.; White, B.; Unsworth, A.; Garvin, K.; and Haider, H.: Podium paper: Correlation of Friction Measurements with Wear Characteristics during Multi-station Hip Simulator Wear Tests. *Proceedings of the 22nd Annual Congress of the International Society for Technology in Arthroplasty (ISTA)*, Waikoloa, Hawaii, October 22-24, 2009.

Haider, H.; Weisenberger, J.; Sherman, S.; Karnes, J.; and Garvin, K.: Poster: Fatigue and Wear Evaluation of Partial Femoral and Tibial Unicompartmental Cartilage Replacement Knee Components. *Proceedings of the 22nd Annual Congress of the International Society for Technology in Arthroplasty (ISTA)*, Waikoloa, Hawaii, October 22-24, 2009.

Weisenberger, J.; Hovendick, S.; Garvin, K.; and Haider, H.: Poster: Could the Metallic Head as well as the UHMWPE Bearing Liner Wear in Total Hip Replacements? *Proceedings of the 22nd Annual Congress of the International Society for Technology in Arthroplasty (ISTA)*, Waikoloa, Hawaii, October 22-24, 2009.

Namavar, F.; Sabirianov, R.; Jackson, J.; Namavar, R.; Sharp, J.; Garvin, K.; and Haider, H.: Podium paper: Designing Biocompatibility of Nanostructures for Joint Replacement Implants. *Proceedings of the 22nd Annual Congress of the International Society for Technology in Arthroplasty (ISTA)*, Waikoloa, Hawaii, October 22-24, 2009.

Jacobberger, R.; Namavar, F.; Garvin, K.; and Haider, H.: Podium paper: Long-term Hydrophilic Properties of Engineered Zirconia Surfaces for Orthopaedic Implants. *Proceedings of the 22nd Annual Congress of the International Society for Technology in Arthroplasty (ISTA)*, Waikoloa, Hawaii, October 22-24, 2009.

Angibaud, L.; Stulberg, B.; Mabrey, J.; Covall, D.; Steffens, J.; Hayes, A.; Weisenberger, J.; and Haider, H.: Podium paper: Effects of Tibial Insert Slope on Polyethylene Wear. *Proceedings of the 22nd Annual Congress of the International Society for Technology in Arthroplasty (ISTA)*, Waikoloa, Hawaii, October 22-24, 2009.

Garvin, K.: Bone Grafts in Revision Total Knee Arthroplasty; Bone Preparation of the Tibia. *AAOS/AAHKS Knee Arthroplasty: Uni, Total and Revision, Insight, New Techniques*, Rosemont, IL, October 22-24, 2009.

Scherl, S.: Supracondylar Humerus Fractures; Hip Fractures and Dislocations; and Distal Femur Fractures in the Case Presentation Session: Common Pediatric Fractures. *Orthopaedic Trauma Association Annual Meeting*, San Diego, CA, October 9, 2009.

(Continued on page 7)

Honor Roll of Contributors 2008-2009

Gifts from orthopaedic alumni, friends, faculty, foundations and corporations support the department's mission by providing vital resources for resident education, scientific research and equipment, and much more. Some choose to support the department's annual Development Fund that is used primarily for resident education. Others choose to put their contribution towards specific funds for scholarships, research, library resources, or laboratory equipment for example.

The following honor roll alphabetically lists the names of individuals and organizations that supported the Department of Orthopaedic Surgery and Rehabilitation between July 1, 2008, and June 30, 2009.

Major Donors – 10,000 & up

Dr. Mark E Dietrich
Dr. Paul W. Esposito
Dr. Edward V. Fehringer
Dr. Kevin L. Garvin
Dr. Brain P. Hasley
Mrs. Marjorie Hood
Dr. Anthony J. Lauder
Dr. & Mrs. Matthew A. Mormino
Dr. N. Ake Nystrom
Dr. Lori K. Reed

5000 - 9999

Dr. Miguel S. Daccarett
Dr. Glen M. Ginsburg
Dr. & Mrs. Roy Guse
Dr. Sean V. McGarry
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1000 - 4999

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0 - 999

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Dr. Jeffrey M. Farber
Dr. & Mrs. R. Michael Gross
Dr. and Mrs. F. Stig Jacobsen
Omaha Community Foundation
Drs. Lewis H. & Cynthia A. Oster
Miss Carolyn M. Sanazaro

Thank you for your vital support! If you have questions or corrections to this honor roll, please contact the University of Nebraska Foundation's Omaha office at 2285 South 67th Street, Suite 200, Omaha, NE 68106. You may also contact them by phone at (402) 502-0300.

Publications, Presentations, and Honors

(Continued from page 6)

Scherl, S.: Who are the Residents? in the Symposium: Traumatologist as Educator. *Orthopaedic Trauma Association Annual Meeting*, San Diego, CA, October 9, 2009.

Garvin, K.: Pre-operative Planning for Primary THA. *AAOS/AAHKS Innovative Techniques in Primary and Revision Total Hip Arthroplasty*, Rosemont, IL, October 1-3, 2009.

Garvin, K.: Uncemented Total Hip Arthroplasty with Highly Cross-linked Polyethylene in Patients 50 Years and Younger. *Hip Society Annual Meeting*, Palo Alto, CA, September 24-26, 2009.

Haider, H.: Invited Lecture: Hard-on-hard bearing couples for Total Hip Replacement systems. *Given at Japanese Medical Materials*, Osaka, Japan, September 11, 2009.

Nystrom, A.: Central Sensitization is an Immediately Reversible Phenomenon in Chronic Pain after Whiplash. A double-blind, placebo controlled study. *The 28th Annual European Society of Regional Anesthesia and Pain Therapy Congress*, Salzburg, Austria, September 2009.

Nystrom, A.; Klemke, M.; Schwarz, D.; and Lyden, L.: Poster Presentation: Outcomes Study: Soft Tissue Surgery for Treatment of Posttraumatic

Headaches (Whiplash Associated Disorders) with Photophobia. *The 28th Annual European Society of Regional Anesthesia and Pain Therapy Congress*, Salzburg, Austria, September 9-12, 2009.

Haider, H.: Invited guest speaker: Topical engineering considerations of modern Total Hip Replacement systems. *Symposium on Cobalt-based Alloys for Biomedical Applications*, organized by the Iwate Industry Promotion Center and MEXT (Ministry of Education, Culture, Sports, Science and Technology) of Japan, Marioka, Japan, September 4, 2009.

Shevlin, M.; Hatzidakis, A.; Nowinski, R.; and Fehringer, E.: Clinical and Radiographic Outcomes Following ORIF of 2-part Surgical Neck Proximal Humerus Fractures with a Short, Locked Nail. *Western Orthopaedic Association's Annual Meeting* Seattle, WA, July 2009.

Clare, M.; Swanson, S.; Mormino, M.; Reed, L.; and Sander, R.: Clinical Results of the Anatomic Compression Arthrodesis Technique with Anterior Tension Band Plate Augmentation for Ankle Arthrodesis. *American Orthopaedic Foot and Ankle Society Annual Meeting*, Vancouver, BC, July 2009.

Haider, H.: Invited Lecture: Biomechanische Zusammenhänge bei Hüftimplantaten (Biomechanical considerations of Total Hip Replacement). *Interdisziplinäres symposium, Das Hüftimpingement Ursache, Diagnose und Therapie*

(*Interdisciplinary Symposium of causes, diagnoses and therapies of Hip Impingement*), Königswinter, Germany, Orthopädie und Sportmedizin Linz / Rhein, May 9, 2009.

Presentations, Regional and Local:

Reed, L.: Instructor: AO North America Foot and Ankle Course. Henderson, NV, October 15-18, 2009.

Haider, H.; Barrera, O.; and Garvin, K.: Image Guided Navigation of Freehand Operated Orthopaedic Surgical Instruments. *2009 Nebraska Research and Innovation Conference, Experimental Program to Simulate Competitive Research (EPSCoR)*. Omaha, NE, September 19, 2009.

Garvin, K.: Arthritis Today. *Nebraska Chapter, Arthritis Foundation*. Omaha, NE, September 17, 2009.

Esposito, P.: Orthopaedics in the Primary Care Office. *2009 Upper Midwest Regional Pediatric Conference*, Mercy Medical Center. Sioux City, IA, September 10, 2009.

Reed, L.: Calcaneus Fractures; Pilon Fractures: Current Techniques. *AO Advanced Principles Course*. Covington, KY, September 2009.

Lauder, A.: Podium Presentation: Hand and Wrist. *Core Musculoskeletal Curriculum for Second Year Medical Students* Omaha, NE, University of Nebraska Medical Center, April 28, 2009.

Meet Our New Residents - Class of 2014



Khalid Azzam

Even as a kid, Khalid Azzam liked to put things together, his favorite toy being a “Meccano” – a construction model with metals plates, nuts and bolts. It isn’t surprising, then, that he chose to study mechanics in high school and eventually ended up choosing a specialty where he will use plates and screws to repair the fractured and damaged bones and joints of

patients who have suffered a trauma. Azzam attributes the structured atmosphere his mother (a pediatrician) fostered during his childhood for his understanding of the importance to balance hard work with a healthy and active personal life. Years of swimming and playing water polo have taught him the importance of teamwork, and require high endurance, perseverance and discipline – all qualities that are needed to be a successful orthopaedic surgeon. During his clinical rotations, Azzam became interested in basic surgical concepts; but it was the decisiveness and confidence displayed by surgeons in emergency situations that drew him towards the specialty of orthopaedics.

Azzam attended the University of Cairo, Egypt, for his undergraduate and medical degrees, receiving his Bachelor of Medicine and Bachelor of Surgery (M.B.Ch.B.) in 2002, with honors. He completed one year of community service, working in a rural area outside Cairo as a general practitioner (2003-2004), and one year of general residency at the University of Cairo, Egypt (2004-2005). Following residency, he worked as a trauma physician at University of Cairo Hospitals, Egypt (2005-2007). Azzam also spent two years as a joint research fellow at the Rothman Institute at Thomas Jefferson University, in Philadelphia, PA (2007 - 2009), managing various aspects of a growing database of infected and revised joint replacement procedures. He has been involved in numerous poster and oral presentations, and presented at the 2008 and 2009 annual meetings of the American Academy of Orthopaedic Surgeons. In addition, he is a coauthor on three published book chapters, one online publication, and has several published articles in peer-reviewed journals.

In his spare time, Azzam enjoys swimming, horseback riding, and table tennis. He also speaks and writes French.



David Minges

David Minges was on the soccer field when he realized his calling was to become an orthopaedic surgeon. During his four years as an undergrad at Creighton University, Minges was also a dedicated player on the Bluejay’s NCAA Division I soccer team. When he wasn’t playing, he was on the sidelines intently observing how their orthopaedic team

physician expertly addressed musculoskeletal injuries – sometimes his teammates’, sometimes his own. He likes the idea of being able to “help athletes achieve their peak potential and excel after severe injury” which drives his lifelong aspiration to become a collegiate or professional team sports physician. Dedication, commitment, reliability, and to always be a team player are traits he learned on the field, but will no doubt help him excel during his career in orthopaedic surgery as well.

Minges graduated magna cum laude with a bachelor’s degree in biology from Creighton University in 2004, and received his medical degree from the Creighton School of Medicine in 2009. He has volunteered in many capacities, including as a student doctor with Project Homeless thru Creighton University (2008), as a surgery waiting room volunteer at Bergan Mercy Hospital (2004-2005), at the Siena Francis House (2004), and as a mentor through Operation Bluejay/Creighton University (2001-2003) where he and his teammates taught life and soccer skills to elementary school children. Minges also gained valuable research experience during medical school, serving as lead researcher and primary author on a project under Dr. Timothy Fitzgibbons (GIKK, 2007-2009). Their research, “Surgical treatment of plantar fibromatosis” was presented at the Mid-America Orthopaedic Association’s 2009 annual meeting in Amelia Island, Florida.

In his spare time he enjoys running, golfing, and not surprisingly, playing soccer.



Nolan May

When Nolan May started college he wanted to be a high school teacher and coach, but time and experiences changed his goals, and he found that medicine was his true calling. After medical school he began a general surgery residency and during his second year in the program found himself on an orthopaedic rotation . . . and realized that is just where he

wanted to stay. So he applied, and in July began his first year of orthopaedic residency at UNMC. Some might see that as two years wasted, but May’s positive attitude doesn’t allow him to look at it that way. He has an edge; he’s already comfortable with many aspects of residency from the clinic to the operating room, and everything in between.

Having grown up on a farm in the Midwest, May knows the value of hard work, dedication and the need for critical thinking in any given situation. Being from a small town, he is used to interacting on a personal level, which makes communicating with patients comfortable for him. Assisting as a college track coach at Nebraska Wesleyan, and teaching high school biology and physical science classes has also helped May develop the leadership skills and decision making qualities needed to excel in residency training.

May graduated with a bachelor’s degree in biology from Nebraska Wesleyan in 2002, and received his medical degree from the University of Nebraska Medical Center in 2007. He completed two years of a general surgery residency before transferring to orthopaedics earlier this year. He has a vast volunteer history including assisting third-year medical students as part of a pre-clinical orientation
(Continued on page 10)

Department Welcomes New Clinic Manager



After a lengthy and extensive search, a long-awaited new staff member joined our department in April of this year. We extend a warm welcome to Mitzi Johnson, manager of the orthopaedic surgery clinic. Johnson brings to the department extensive experience in the healthcare and insurance industries, including the areas of health information technology, insurance authorization and claims processing, home healthcare, as well as patient and family education.

Johnson also brings with her the added benefit of being familiar with the various aspects of UNMC, having worked as a CMA in the Obstetrics and Gynecology department for nearly 10 years (1995-2004). Additionally, her professional background includes working as a staffing resource coordinator for Avantas, as well as supervisor of patient placement services with Ancillary Care Management. Most recently, she was employed as a business systems analyst for Novologix, Inc.

“Mitzi provided us with a unique blend of business and clinical experience, and her working knowledge of our various systems made her stand out from the other applicants,” said Administrator Director David Staiert.

She attended the University of Nebraska-Omaha (1993-1997) with an educational focus on pre-nursing, during which time she also became a CMA through the Omaha College of Health Careers (1995). In 2009, she graduated with her Bachelors of Science in Management in Health Informatics Technology from Bellevue University.

Johnson and her husband, Corey, have been together for 18 years (married for 6) and have two children, DeAil (16) and DaNaya (15). We are confident that she will excel in her role as manager of the clinic and are pleased to welcome her and her family to the Department of Orthopaedic Surgery.

Years of Service Awards

Congratulations to the following employees on your recent years of service awards!



May 2009
Lori Dawson,
Medical Assistant
5 Years of Service,
UNMC Physicians



June 2009
Jeff Ohmberger,
Licensed
Practical Nurse
5 Years of Service,
UNMC Physicians



August 2009
Ronalee Vinsonhaler,
Medical Billing
& Coding Analyst
5 Years of Service,
UNMC Physicians

Alumni News

Dr. Craig Mahoney Receives Engineering Award



Congratulations to Dr. Craig Mahoney (2001), clinical chief of Orthopaedics at Mercy Medical Center in Des Moines, Iowa, who was recently recognized with a Professional Progress in Engineering Award (PPEA) from the College of Engineering at his alma mater, Iowa State University. The PPEA was established in 1989 to recognize “outstanding professional progress, personal development, and distinguished community service by engineering alumni under the age of 46.”

Mahoney graduated from Iowa State University with a bachelor’s in industrial engineering in 1991, before he switched his focus to medicine. After receiving his medical degree from the University of Iowa, he completed residency training at the University of Nebraska/Creighton University Health Foundation, followed by a fellowship at the Hospital for Special Surgery in New York City. Dr. Mahoney has combined his engineering background with his orthopaedic knowledge to excel in the areas of joint replacement, infection, and prosthesis performance.

Visiting Speakers Expand Resident Education

Providing a well-rounded education for our residents means bringing in visiting speakers who can share their expertise and experience on a variety of topics. Annual contributions to the department's Development Fund allow us continue to bring guest speakers who offer new and innovative ideas in surgical techniques, research topics, and patient care. Below is a list of visiting speakers that presented in the Department of Orthopaedic Surgery from April to October 2009.

June

26-27 Orthopaedic Graduation
Dr. Lawrence Dorr
The Dorr Arthritis Institute
Los Angeles, CA
"Medicine, My Medicine"
"Orthopedic Antitoxin"

Mark Gilbert
Scottish portrait artist
Artist-in-residence, UNMC (2 yrs)
"Art and Medicine"

July

20 Sandi Anderson
UNMC Physicians
Omaha, NE
"Documentation/Billing
Compliance"

August

27 Dr. David Stephen
Sunnybrook Health Sciences Centre
Toronto, Ontario, Canada
"The Acute and Definitive
Management of Pelvic Ring
Disruptions"

September

14 Dr. Angela Hewlett
UNMC, Infectious Diseases
Omaha, NE
"Musculoskeletal Infections"

October

19 Dr. Lon Keim
Pulmonology, TNMC
Omaha, NE
"Hyperbaric Oxygen Treatment of
Wounds and Infections"

26 Burton Prosthetics
Omaha, NE
"Orthopaedic Prosthesis"

Meet Our New Residents - Class of 2014

(Continued from page 8)

panel at UNMC (2006), participating in a track and field event for the Nebraska Special Olympics (2006); instructing students on lumbar punctures, suture placement and knot-tying during a UNMC June term volunteer event (2006); informing elementary kids of the health risks associated with tobacco through Tar-Wars (2005); volunteering

at a student run "Sharing Clinic" through TNMC (2003-2005), and acting as an emergency room volunteer at St. Elizabeth Regional Medical Center, Lincoln (2001-2002).

May's hobbies include running, golfing, fishing, watching sporting events, and helping his father on his cattle ranch.



Kevin Lindgren

Metal plates and screws, a saw, and a drill are all tools you'd probably find in a carpenter's toolbox . . . or in a surgical tray in an orthopaedic operating room. Kevin Lindgren will soon be adept at using them in either capacity. Already skilled in the field construction, Lindgren began working as a mason's laborer at the age of 16, eventually becoming a full mason, and also worked for a year and a half as a carpenter. The tools he utilized in those jobs were often the same tools he will utilize in the operating room to reconstruct and repair damaged bones and joints during his career as an orthopaedic surgeon. He also gained valuable skills that will help him excel in orthopaedic surgery including the ability to be a quick learner, have the vision to think several steps ahead, and to be able to coordinate many people and projects at once.

Lindgren graduated with a bachelor's degree in Zoology from the University of Wisconsin in 2004, and received his medical degree from the Medical College of Wisconsin in 2009. During medical school, the skills he had learned early on allowed him to be involved in leadership roles in multiple student organizations. He was on several committees at the Medical College of Wisconsin (MCW)

including welcoming prospective medical students to the college as president of the Host Applicant Program, overseeing staffing and coordinating volunteer efforts at three local elementary school health rooms as chair of the Health Room Helpers committee, interviewing prospective medical students as a member of the Admissions Committee, and attending meetings of the supervisory council for all MCW student organizations as a member of the Council of Presidents, to name a few. Some of his many volunteer activities included traveling to Thibodaux, Louisiana after Hurricane Katrina to rebuild a subdivision for Habitat for Humanity, doing teaching and patient care at a student run clinic for uninsured Milwaukee residents, leading a group of medical students on weekly trips to inner city Milwaukee schools to mentor children and encourage an interest in science as co-president of the Partnership for Urban Medical Education and Advancement, and acting as a volunteer instructor of anatomy to EMS personnel at a regional EMS conference in Milwaukee. During his second year of medical school, he became involved in a research project with the Department of Ophthalmology and Vitreoretinal Surgery that resulted in five poster presentations at various meetings, as well as three articles in peer-reviewed journals which are currently in-press.

Lindgren's hobbies include golf, softball, fishing, home brewing, Bonsai, curling, carpentry, and masonry.



Left to right: Drs. Edward Prince (05), Erik Otterberg (99), Craig Mahoney (01), Curtis Hartman (08) and Beau Konigsberg (07), all arthroplasty fellowship graduates, at the 2009 graduation ceremonies.



Left to right: Drs. Sam Smith (89) and Erik Otterberg (99) presented 20- and 10-year alumni updates (respectively) at this year's graduation ceremonies.

Continuing Education and Grand Rounds

All UNMC orthopaedic alumni are welcome to attend the following continuing education seminars and Grand Rounds presented by department faculty, current residents, and guest speakers. Please call the department at (402) 559-4533 to check on possible updates to this schedule.

November 2009

- 2 Crystalline Arthropathy
(Dr. Ted Mikuls, Rheumatology, UNMC)
- 9 Articular Cartilage Injuries (Dr. David Brown, OrthoWest)
- 16 ACL Injuries in 2009 (Dr. Arnold)
- 23 PCL Injuries (Dr. Daccarett)
- 30 Shoulder Instability (Dr. Carlson)

December 2009

- 7 Evaluation and Management of Scoliosis
(Dr. John McClellan, Nebraska Spine Center)
- 14 TBA (Dr. Erpelding)
- 21 Diagnosis and Nonoperative Treatment of Back Pain
(Dr. James Devney, Nebraska Spine Center)
- 28 No Conference: Holiday



Faculty News

Congratulations to Dr. Sean McGarry and his wife, Amy, who are celebrating the birth of their third child, Rory Harrison McGarry, born on September 16, 2009. Dr. McGarry is an assistant professor in the Department of Orthopaedic Surgery and Rehabilitation. Siblings, Niamh and Aidan, are very excited to have a new little brother!

Mark Your Calendar!

March 9-13, 2010: American Academy of Orthopaedic Surgeon's 77th annual meeting, Morial Convention Center, New Orleans, Louisiana

March 12, 2010: Nebraska Orthopaedic Alumni Reception during the AAOS annual meeting, location TBA, 6:00 – 8:00 p.m.

June 18-19, 2010: Orthopaedic graduation ceremonies



Department faculty, residents, alumni and staff gather during the graduation celebration of 2009.

What's new with you?

We want to hear from you! Drop us a line so we can share your news of professional activities and honors with friends and colleagues. Fax us at (402) 559-5511 or E-mail: dmeyer@unmc.edu



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Department of Orthopaedic Surgery and Rehabilitation
The University of Nebraska Medical Center
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981080 University of Nebraska Medical Center
Omaha, NE 68198-1080

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