Operation Walk USA: Giving the gift of mobility

Through Operation Walk USA, two patients received free joint replacements in December from UNMC associate professor and orthopaedic surgeon Curtis Hartman, M.D.

Randy Robins has always taken care of everybody else first. He’s mostly raised his four children on his own, is a grandfather to six and describes himself as someone who has lived under the radar.

Robins has met life’s challenges head on. Not long after his youngest daughter and son were diagnosed with cancer, he came down with a rare form of cancer himself. Then came the pain in Robins’ left hip. He had felt discomfort for years, but after his recovery from cancer, the pain became unmanageable.

“I’m a pretty tough guy,” he said, “I always have been. I just couldn’t will myself through the pain this time.”

At just 63 years old, Robins was forced to retire early. He had little insurance and was still paying off his cancer bills. That’s when Robins’ daughter heard about Operation Walk USA. She applied on his behalf.

Through Operation Walk USA, 80 patients across the country receive free joint replacements. All of these patients would not otherwise be able to get the new joints they so desperately need, due to lack of insurance coverage, financial or other constraints.

When he found out he was accepted, Robins was grateful for the chance to get his life back.

“I consider myself fortunate to be here,” he said. “I’m not ready to hang it up yet. I want to live again. I want to work again.”

Robins underwent a left hip replacement on Dec. 15, 2015, under the care of Curtis Hartman, M.D. That same day, Dr. Hartman performed another surgery on a second Operation Walk patient: 59-year-old Brenda Bostic, of Bellevue.

Bostic became very aware of the onset of knee pain and arthritis nearly 20 years ago. She tried to minimize the pain with cortisone shots, frequent doctor visits and other procedures. The pain, however, had started to affect her daily life. A mother of three, grandmother of ten and great-grandmother to one, Bostic loved cheerleading at her grandchildren’s sporting events.

“I used to enjoy jumping up and down and running along the field to support them,” she said. “But I just couldn’t do that anymore.”

In October 2015, Bostic felt numbness in her knee and rushed to the emergency room, where she was told she needed a knee replacement. When visiting with her doctors at UNMC, she mentioned she had no insurance.

Rothman-Ranawat Fellows visit Omaha

The Department of Orthopaedic Surgery and Rehabilitation hosted The Hip Society’s 2016 Rothman-Ranawat Traveling Fellowship on March 21-22. The four fellows spent two days at UNMC, learning from our surgeons, participating in grand rounds and conferences, touring our Biomechanics Laboratory and giving presentations.

Learn more about the Rothman-Ranawat Traveling Fellowship in the fall issue of Breaking News.
Message from the chair

Leading the way

Our department has always strived to be a local and national leader in orthopaedic care. Through our outstanding patient care, cutting-edge research and innovative educational residency program, I believe we have made a name for ourselves in the orthopaedic world.

As with any great team, however, the work never stops. This year is already off to a strong start. Many of our faculty members participated as presenters and moderators at the 2016 American Academy of Orthopaedic Surgeons Annual Meeting in Orlando, FL. In total, UNMC faculty participated in 17 presentations, instructional course lectures, symposia and specialty day activities at the annual meeting.

The department continued our longtime involvement with Operation Walk USA. Dr. Curtis Hartman volunteered his time to perform two joint replacements on Omaha-area patients in need. Both UNMC and Nebraska Medicine donated time, supplies and OR space to make this life-changing event happen.

On the clinical front, our Sports Medicine Program recently welcomed the addition of a new primary care sports medicine specialist, Dr. Ross Mathiasen. Dr. Mathiasen began seeing patients at both the Durham Outpatient Center and Oakview Medical Clinic. This addition furthers our goal of providing comprehensive sports medicine care to athletes and active people of all ages.

In the past several months, we have welcomed a number of guest speakers, including L. Scott Levin, M.D., professor and chair of Orthopaedics at the University of Pennsylvania School of Medicine. In March, we hosted four national and international orthopaedic surgeons through The Hip Society’s 2016 Rothman-Ranawat Traveling Fellowship. The fellows spent two days in Omaha, observing our faculty members and presenting to our residents. Hosting visiting speakers provides a valuable chance for our residents and faculty to network and learn from some of the brightest minds in orthopaedics.

As busy as 2016 has already been, there is still more to come. Preparations are already underway for our Class of 2016 resident graduation ceremonies. We hope to see many of you back on campus for our graduation events on June 10-11. More details will be sent out in the coming months.

I hope you enjoy this edition of Breaking News. As always, we are beyond grateful for your continued support as department alumni and friends of the program.

Sincerely,

Kevin L. Garvin, M.D.
Professor and Chair
L. Thomas Hood, M.D., Professorship
The 2016 American Academy of Orthopaedic Surgeons Annual Meeting was held in Orlando, Florida, March 1-5. Many UNMC faculty members participated in this year’s meeting.

POSTER PRESENTATIONS:

PAPER PRESENTATIONS:

INSTRUCTIONAL COURSE LECTURES:
Scherl, S.: ICL 406: Problems and Procedures in Pediatric Trauma: Case Based Learning (Presenter).
Garvin, K.: ICL 461: Total Hip Arthroplasty – How Do I Get Out of This Problem? The femoral/acetabular anteversion is not what I expected (Presenter).

CASE PRESENTATIONS:

Scherl, S.: Case Presentation: Pediatric Orthopaedic Trauma: Principles of Management (Table Facilitator).
Streubel, P.: Complex Shoulder Arthroplasty: Case Discussions and Management (Presenter).

SYMPOSIA:

SPECIALTY DAY:
Garvin, K.: Is This Knee Infected? The Knee Society Specialty Day.
L. Scott Levin, M.D., FACS, is the Paul B. Magnuson Professor of Bone and Joint Surgery, Chair of the Department of Orthopaedic Surgery at the University of Pennsylvania School of Medicine, and Professor of Surgery (Plastic Surgery). He is also the Director of the Penn Musculoskeletal and Rheumatology Service Line.

Dr. Levin is Board-certified in Orthopaedic Surgery and has a certificate of added qualification in hand surgery. In addition, he is Board-certified in Plastic Surgery and is responsible for developing the field of “Orthoplastic Surgery.”

As an accomplished clinician, his expertise focuses on surgery of the hand and upper extremity, reconstructive microsurgical techniques for extremity reconstruction and limb salvage. His research interests focus predominantly on extremity soft tissue reconstruction and vascularized composite allotransplantation.

Dr. Levin established and was the Director of Duke’s Human Tissue Laboratory and also directed the Anatomic Gifts Program. He established a Human Tissue Laboratory at Penn which opened in May 2011. The lab acts as a teaching tool and a research facility benefiting students, residents and CME participants. Dr. Levin is also the head of the Vascularized Composite Allotransplantation Program at Penn.

In September 2011, he directed the team that performed a bilateral hand and arm transplant. In 2015, as Director of the Pediatric Hand Transplantation Program of Children’s Hospital of Philadelphia, he led the team that performed the world’s first bilateral hand transplant in a child.

Dr. Levin has been recognized for his commitment to teaching, winning the 2007 Master Clinician/Teacher Award for his accomplishments in both clinical care and education at Duke and in 2014 was awarded the I.S. Ravdin Master Clinician Award, Penn Medicine Award of Excellence at the Ruth and Raymond Perelman School of Medicine at the University of Pennsylvania.

He has published more than 264 peer reviewed journal articles, 73 book chapters and 11 books. In addition, Dr. Levin actively participates in senior leadership activities of many international and national professional societies and associations including serving as Orthopaedic Regent of the American College of Surgeons, President of the World Society of Reconstructive Microsurgery (2013-2015), President of the American Society for Reconstructive Microsurgery (2006-2007), member at large of the American Society of Plastic and Reconstructive Surgeons, President of the American Society for Reconstructive Transplantation (2010-2012) and member of the Board of Directors of the American Board of Plastic Surgery (2006-2012).

Dr. Levin has been honored as a North American Traveling Fellow, the American British Canadian Travelling fellow by the American Orthopedic Association and the Sterling Bunnell Traveling Fellowship by the American Society for Surgery of the Hand. In 2015, he was awarded the Andrew J. Weiland Medal by the American Society for Surgery of the Hand. He has served as the Orthopaedic Trauma Association’s Landstuhl Scholar, caring for our war injured soldiers in Germany.
Fifteen orthopaedic residents gave presentations at the research forum, each followed by a question and answer session from faculty advisers.

Talk titles are listed below:


Tyler Larson, M.D., HO II, “Postoperative Sciatic Nerve Dysfunction Following Posterior Approach for Acetabular Fracture with and without Traumatic Posterior Hip Dislocation”

Ryan Miller, M.D., HO II, “Pneumatic Tourniquet in Upper Extremity Surgery: Is Use with or without Padding Equivalent?”


Sayfe Jassim, M.D., HO III, “Hybrid Total Knee Arthroplasty – A Retrospective Outcomes Review”

Benjamin Ogden, M.D., HO III, “A Performance Improvement Project in Antibiotic Administration for Open Fractures”

Noah Porter, M.D., HO III, “Five-year Outcome Follow-up of Glenoid Anchor Peg Component Fixation Utilizing Autologous Bone Graft in Total Shoulder Arthroplasty”

Eric Bonness, M.D., HO IV, “A Fracture Boot Stress Model for the Determination of Ankle Stability in Patients with Isolated Fibular Fractures”

Courtney Grimsrud, M.D., HO IV, “Long-term Outcomes and Satisfaction of Rotationplasty Patients in the Treatment of Lower Extremity Sarcomas”

Paul Johnson, M.D., HO IV, “Defining the Role of Head of Bed Angle in Cerebral Deoxygenation Events during Upper Extremity Surgery in the Beach Chair Position”

Andrew Kirkpatrick, M.D., HO IV, “30-Day Readmission and Postoperative Complications Following Elective Primary Total Joint Arthroplasty in the Veterans Health Administration VISN 23 Network”

Paul Hong, M.D., HO V, “Safety and Efficacy of Liposomal Bupivicaine (Exparel) in Lumbar Spine Surgery”

Scott Vincent, M.D., HO V, “A Multicenter Prospective Assessment of the Value of Work Done by an Orthopaedic Resident During Call”


Paul Nielsen, M.D., HO V, “Preparing the External Fixator In Situ During Two Stage Pilon Surgical Treatment: Postoperative Complications”

Visiting speaker: L. Scott Levin, M.D.: “Orthoplastic Surgery: Replantation to Transplantation”
Ross Mathiasen, M.D., joins Nebraska Medicine’s sports medicine team to provide comprehensive care for patients of any age.

As a primary care sports medicine specialist, Ross Mathiasen, M.D., plays a unique role in the world of orthopaedics and sports medicine. Dr. Mathiasen works hand-in-hand with orthopaedic surgeons, physical therapists, athletic trainers and other specialists to provide a medical home for athletes and active individuals.

In his weekly clinics, Dr. Mathiasen offers a number of non-surgical treatment options to patients of all ages and activity levels. He works in conjunction with Sports Medicine Program Coordinator Rusty McKune, ATC, to provide a one-stop-shop for the active population.

“My goal is to get the athlete back to full participation in the sport or activity as quickly and safely as possible, and with optimal performance,” says Dr. Mathiasen.

“It is a natural fit for us to be located in the orthopaedic clinic.”

The location creates a unique team approach to caring for athletes and other active patients. It provides quick access to primary care, MRI services, surgeons or physical therapy, depending on the patient’s treatment plan.

“Having more access to care is important for our program,” McKune said. “With athletics, a week can mean a lot of lost time for the athlete. We want to make it as easy and seamless as possible for the patient.”

In addition to treating common sports-related injuries including concussions, overuse injuries and acute musculoskeletal injuries, Dr. Mathiasen also performs cutting-edge ultrasound-guided injections.

The ultrasound machine, a new acquisition for the Orthopaedic Clinic, is a valuable asset because it allows Dr. Mathiasen to visually see the needle and underlying critical structures in real time.

“Traditionally, injections of large joints are done using fluoroscopy or blind injections,” Dr. Mathiasen said. “With the ultrasound, I can do them here in the clinic and can see the medication being injected in the right place.”

Common injections include glenohumeral, hip, knee, carpometacarpal and acromioclavicular joints, subacromial, greater trochanter and pes bursae, and tendon sheaths such as proximal biceps.

Dr. Mathiasen earned his medical degree from UNMC in 2010 and completed an emergency medicine residency at the University of Iowa in 2013. He went on to pursue two fellowships at Iowa in emergency medicine research (2014) and primary care sports medicine (2015).

He is currently an assistant professor in the Department of Emergency Medicine.

Dr. Mathiasen sees patients at both the Durham Outpatient Center and Oakview Medical Center Orthopaedic clinics.

For appointments call: 402-559-8000.
Continuing Education and Grand Rounds

CME Accredited Grand Rounds are held in Room 1005 of the Sorrell Center, Mondays 6:30 A.M.

Continuing education seminars and Grand Rounds presentations by department faculty, current residents and guest speakers are open to any interested participants. To obtain an updated schedule or information on how to earn CME credits for these presentations, contact Geri Miller at (402) 559-2258 or gmiller@unmc.edu.

Presentations given from November 2015 – March 2016:

November 2015
2 “The Spine Injured Patient: Initial Evaluation and Emergency Treatment” (Scott Vincent, M.D.)
9 “Sterility in the OR” (Paul Johnson, M.D.)
16 “Thermal Injuries” (Joseph Morgan, M.D. Rush University, Hand Surgery Fellow)
23 “Ankle Fractures” (Justin Siebler, M.D.)

December 2015
7 “Radial head arthroplasty” (Philipp Streubel, M.D.)
14 “Evaluation and Management of the Failed MoMTHA” (Curtis Hartman, M.D.)

January 2016
4 Morbidity and Mortality Conference (Chief Residents)
11 “Biceps Pathology” (Mark Dietrich, M.D.)
18 “Ulnar Sided Wrist Pain and DRUJ Pathology” (Andrew Kirkpatrick, M.D.)

January 2016 (cont.)
25 “The Spine in Osteogenesis Imperfecta” (Maegen Wallace, M.D.)

February 2016
1 “When the decision is NOT to medically intervene….now what?” (Carri Siedlik, APRN, Nebraska Medicine Palliative Care)
8 “Identifying and managing high ankle sprains and syndesmotic injuries in athletes” (Courtney Grimsrud, M.D.)
15 “Beach chair versus lateral decubitus position in shoulder arthroscopy” (Eric Bonness, M.D.)
22 “Infection in total shoulder arthroplasty” (Matthew Teusink, M.D.)

March 2016
21 Rothman-Ranawat Traveling Fellows Lectures
28 “TBD” (M. Layne Jenson, M.D.)

Guest speakers enhance resident education

Bringing in visiting speakers who offer new and innovative ideas in surgical techniques, research topics and patient care is an integral part of the resident educational experience. Guest presentations are made possible with the help of annual contributions to our Development Fund.

The following speakers presented from November 2015 - March 2016:

November 2015
17 Joseph Morgan, M.D., hand fellow, Rush University, “Thermal Injuries”

December 2015
11 L. Scott Levin, M.D., chair of the Department of Orthopedic Surgery, Penn Medicine, “Orthoplastic Surgery: Replantation to Transplantation”

February 2016
1 Carri Siedlik, APRN, Nebraska Medicine Palliative Care, “When the decision is NOT to medically intervene….now what?”

March 2016
21-22 Rothman-Ranawat Traveling Fellows
Derek F. Amanatullah, M.D., Ph.D., “Fluted tapered modular femoral components vs. monolithic femoral components in revision THA”
Atul Kamath, M.D., “Obesity and associated comorbidities as predictors of complications after THA”
Bharath Loganathan, MBBS, D.Ortho, MS (Ortho), MRCS (Edin), “Bearing decisions in primary and revision THA”
Matthew Wilson, MBBS, FRCS, “Reinfection outcomes following single and two-staged surgical revision of infected THA”
Congratulations to the 2016 graduates

Best of luck to all four residents on their upcoming graduation and fellowship opportunities. The Class of 2016 is pictured above, left to right.

Paul J. Nielsen, M.D.
Hand Fellowship, Indiana Hand to Shoulder Center, Indianapolis, IN

Scott A. Vincent, M.D.
Spine Surgery Fellowship, University of Wisconsin School of Medicine and Public Health, Madison, WI

Kaitlin C. Neary, M.D.
Foot and Ankle Fellowship, U.C. Davis/Reno Orthopedic Clinic, Sacramento, CA and Reno/Tahoe, NV

Paul Hong, M.D.
Spine Surgery Fellowship, University of Pittsburgh Medical Center, Pittsburgh, PA

Welcome to the Class of 2021

The results are in! The UNMC Department of Orthopaedic Surgery will add five new residents in July. The residents who will be joining our program are listed below, along with the medical schools they attended. Join us in welcoming the Class of 2021!

Josh Cameron, M.D. | University of Oklahoma College of Medicine

Christopher Deans, M.D. | University of Nebraska Medical Center

David Kusin, M.D. | Case Western Reserve University School of Medicine

Kent Rinehart, M.D. | East Tennessee State University Quillen College of Medicine

Philip Thomas, M.D. | University of Minnesota Medical School

Save the date!

Nebraska Orthopaedic Surgery Residency Program Graduation Ceremonies Class of 2016

FRIDAY, JUNE 10, 2016

Resident Presentations
8:00 a.m. - 12:00 p.m.
Michael F. Sorrell Center for Health Science Education
UNMC Campus (42nd and Emile) Room 1005

Golf Outing
Indian Creek Golf Club
12:30 p.m. Tee Time
3825 North 202nd Street

SATURDAY, JUNE 11, 2016

Presentations/Discussion/Guest Speakers
8:00 a.m. - 12:00 p.m.
Michael F. Sorrell Center for Health Science Education
UNMC Campus (42nd and Emile) Room 1005

Banquet
Omaha Country Club
6:00 p.m. Cocktail Hour
7:00 p.m. Dinner and Program
6900 Country Club Road
Omaha, NE
Alumni Feature: James Ballard, M.D., Class of 2002

James Ballard, M.D., isn’t exactly sure what initially drew him to Nebraska. When he applied for residency with the Department of Orthopaedic Surgery and Rehabilitation, he knew very little about UNMC. But when he traveled to Omaha in the dead of winter for an interview, he fell in love with the city.

A west coast native, Dr. Ballard grew up in Los Angeles, California and earned his undergraduate degree from Brigham Young University in Provo, Utah. While at BYU, Dr. Ballard served a two-year mission for his church in Madrid, Spain. Four years of medical school followed at the Baylor College of Medicine in Houston, Texas.

When considering his options for an internship, UNMC eventually moved to the top of the list. Omaha would make a great place for Dr. Ballard and his wife to raise their young, growing family. The orthopaedic program itself attracted him because the residents were happy, but still worked hard.

“That was important for me,” Dr. Ballard said. “That meant they were well-trained but treated very well.”

During the time Dr. Ballard was in his residency (1996-2002), the department was under the leadership of the late Dr. James R. Neff (chair, 1991-2000). Dr. Neff made a lasting impression on the young Dr. Ballard.

“I’ll never forget him sitting me down in this big chair in his office and talking to me,” Dr. Ballard said. “He had the unique presence of being highly intelligent and yet very kind and down to earth.”

Following his graduation from UNMC in 2002, Dr. Ballard completed an adult reconstruction fellowship at the Desert Orthopedic Center in Las Vegas, Nevada. From there he made his way to the south Portland, Oregon, metro area, where he currently works in private practice at the Oregon Orthopedic & Sports Medicine Clinic. When he first moved to Oregon, he was the only fellowship-trained total joint surgeon in Portland, and started his practice saying “yes” to almost every referral request. It ended up being a “baptism by fire,” Dr. Ballard said.

These days, Dr. Ballard focuses exclusively on hip and knee replacements. About 20 percent of his case load is dedicated to revisions – many of them complex revisions. He was involved in the first “fast-track” joint system in the city, in which he and his partners run two operating rooms with two full teams, including two anesthesiologists. The system has more than doubled their capacity to do total joint replacements. In addition, Dr. Ballard performed the first outpatient total hip replacement in the state. His team now does outpatient total hips and knees routinely and recently performed their 100th case.

Looking back, Dr. Ballard credits the orthopaedic residency program and the UNMC faculty for their role in his career as an orthopaedic surgeon.

“I have many fond memories of my years in Omaha,” Dr. Ballard said. “It laid the foundation for my career.”

Dr. Ballard and his wife, Beckie, have four children, ages 20, 18, 15 and 13. His oldest is currently serving a two-year church mission trip in Florida and the second oldest is a senior in high school, gearing up to start college. Please keep Dr. Ballard and his family in your thoughts as Beckie persists in her three-and-a-half-year battle with cancer.

Did you know?

Dr. Ballard is the mastermind behind this newsletter’s name, “Breaking News.” Upon the inception of the department newsletter in 2001, he entered and won the naming contest!
Publications, presentations & honors

Department faculty and residents present many lectures, seminars, and courses at local and regional, as well as national and international meetings. They also serve in leadership positions and offices for local, state, national and international organizations. The following are our faculty and staff’s presentations and publications, awards and achievements, offices held, and other professional activities from November 2015 - March 2016:

Publications (peer-reviewed):


Presentations (National and International):

- 16th Annual AAOS/OTA Trauma Update, San Diego, CA, March 31 – April 3, 2016:
  - **Scherl, S.**: Pediatric Fracture Update.
  - **Scherl, S.**: Pediatric Fracture Cases.
  - **Garvin, K.**: High-Dose Antibiotic Containing Spacers for Infected THA. The Hip Society Specialty Day.
  - **Garvin, K.**: Is This Knee Infected? The Knee Society Specialty Day.
  - **Garvin, K.**: ICL 481: Total Hip Arthroplasty – How Do I Get Out of This Problem? The femoral/acetabular anteversion is not what I expected (Presenter).
  - **Streubel, P.**: Complex Shoulder Arthroplasty: Case Discussions and Management (Presenter).
  - **Garvin, K.**: Complex Primary Total Hip Arthroplasty: A Case-based Approach (Presenter).
  - **Garvin, K.**: Management of Infected Total Joint Arthroplasty in 2016 – Where Do We Stand Now? (Presenter).
  - **Garvin, K.**: ICL 202-Preventing Hospital Readmissions and Limiting the Complications Associated with Total Hip Arthroplasty. Prevention and Management of Infection and Wound Complications (Moderator and presenter).
  - **Garvin K.:** Symposium E: Hot Topics and Controversies in Revision Total Hip Arthroplasty. Posterior Approach for revisions (Presenter).
  - **Comett, C.**: ICL 169: Surgical Management of Cervical Spondylotic Myelopathy.
  - **Scherl, S.**: Case Presentation: Pediatric Orthopaedic Trauma: Principles of Management (Table Facilitator).
  - **Scherl, S.**: Challenges in the Management of Fractures in Adolescents: A Case Based Approach (Moderator).

Kristine & Webb Browne
Visiting Professor Conference, University of Oklahoma College of Medicine, Oklahoma City, OK, Feb. 4-5, 2016:

- **Esposito, P.**: Musculoskeletal Impact of Childhood Obesity.
- **Esposito, P.**: Medical & Surgical Management of Osteogenesis Imperfecta.
- **Esposito, P.**: The Spine & Upper Extremity in Osteogenesis Imperfecta.

12th Annual International Pediatric Orthopaedic Symposium, Orlando, FL, Dec. 8-12, 2015:
Scherl, S.: Knee Pain in an Adolescent.

Scherl, S.: Lower Extremity Trauma: A Case-Based Approach (Panel Discussion).

Scherl, S.: Challenges in Upper Extremity Trauma (E-moderator).

Hartman, C.: Small Group Instructor, AAHKS Resident Arthroplasty Course, Dallas, TX, Nov. 5-7, 2015.

Current Grants:

Pellegrini, V.; Garvin, K.: Comparative Effectiveness of Pulmonary Embolism Prevention after Hip and Knee Replacement: Balancing Safety and Efficacy, Medical University of South Carolina/PCORI. 2016-2020. Pellegrini (PI), Garvin (CI).


Community Service/Volunteer


Honors and Awards:

Garvin, K.:
- Top Reviewer, Board of Trustees, Clinical Orthopaedics and Related Research, Nov. 2015.
- America’s Top Doctors, Castle Connolly Medical Ltd., 2007-2016.

Memberships and Offices Held:

Garvin, K.:
- Second Vice President, The Knee Society, March 2015- March 2016

Nebraska Medicine:
- Perioperative Executive Committee, Jan. 2015-present
- Ambulatory Executive Committee, 2014-present
- Surgical Services Executive Committee, 2014-present

UNMC:
- Finance Committee, 2012-present
- Executive Board, 2000-present


The Knee Society:
- Member, Membership Committee, March 2014-present
- Member, Research Committee, March 2012-March 2017

Member, Membership Committee, American Orthopaedic Association, 2010-2016, (Chair: 2014-2015)

Board Member, Omaha Sports Commission, Omaha, NE 2007-present

Board of Trustees, University of South Dakota Foundation, 2006-present

Editorial Board Member, Techniques in Knee Surgery, 2002-present

Consultant Reviewer:
- British Bone and Joint Journal, Nov. 2014-present
- The Knee, March 2012-present
- European Journal of Epidemiology, 1995-present
- Clinical Orthopaedics and Related Research, 1991-present
- Journal of Bone and Joint Surgery, 1990-present

Comett, C.:

Nebraska Medicine:
- One Chart Operational Owner, Dec. 2015-present
- Provider Advisory Group for Patient Experience, Nov. 2015-present
- Medical Director of Physical and Occupational Therapy, The Nebraska Medical Center and Bellevue Medical Center, 2014-present
- Physician Advisory Team
Committee, 2013-present
Department Deputy
for Orthopaedics, One
Chart, 2013-present
Consultant Reviewer:
- *Journal of Orthopaedic
Research*, October
2015-present
- *Clinical Orthopaedics
and Related Research*,
2014-present

**Daccarett, M:**
Member, Public Relations
Committee, Orthopaedic
Trauma Association,
March 2016-2019
Reviewer, *European Journal
of Orthopaedic Surgery and
Traumatology*, 2015-present
Review Panel Member,
*Orthopedics*, 2013-present
Trauma Committee Member,
UNMC, 2008-present

**Dietrich, M:**
Sideline Physician for area high
school teams, 2013-present

**Esposito, P:**
Elected International
Ambassador of the Bone
and Joint Decade (BJD),
Oct. 2014-Nov. 2017
Board of Directors, Physician
Director, Children's Specialty
Medical Advisory Council,
Osteogenesis Imperfecta
Foundation, July 2011-present
Board of Directors, Advisory
Board, Children's Hospital &
Medical Center, 2010-present
Medical Staff Committees,
Children's Hospital &
Medical Center:
- Chair, Focused Peer
Review Committee,
2016-present
- Clinical Service Chief,
Orthopaedic Surgery,
2009-present
- Information Technology
Oversight Committee,
2009-present
- Allied Health Committee,
2008-present
- Credentials Committee,
2008-present
- Quality and Patient Safety
Committee, 2008-present
- Focused Peer Review
Committee, 2004-present
- Physician's Health
Committee, 2004-present
Consultant Reviewer:
- *Clinical Orthopodics
and Related Research*,
2010-present
- *PEDIATRICS*, 2005-present
- *Journal of Pediatric
Orthopaedics*, 2008-present

**Haider, H:**
*Journal of Engineering
in Medicine*:
- Reviews Editor,
IMechE Part H, March
2012-present
- Editorial Board
Member, IMechE Part H,
2009-present
- Reviewer, 2007-present
International Society of
Technology in Arthroplasty (ISTA):
- Director, Scientific
Review and Information
Technology, Sept.

**Hartman, C:**
Board of Directors, Metro
Omaha Medical Society
Foundation, Jan. 2015-present
Membership Committee,
Metro Omaha Medical
Society, Jan. 2013-present
Orthopaedic Basic
Science Subcommittee,
American Academy of
Orthopaedic Surgeons,
Feb. 2012-March 2016
Finance Committee, Mid-
America Orthopaedic
Association, 2015-2016
UNMC:
- UNMC Graduate Faculty,
May 2013-present
- Dissertation Committee,
Tyler Scherr, Ph.D. Student,
Department of Pathology
and Microbiology,
UNMC College of
Medicine, 2012-present
- Dissertation Committee,
Raheleh Miralami, Ph.D.
Student, MSIA Program,
UNMC College of
Medicine, 2012-present
- Dissertation Committee,
Ke Ren, Ph.D. Student,
Department of
Pharmaceutical Sciences,
UNMC College of
Pharmacy, 2012-present
• Surgical Services New Technology and Products Committee, 2011-present
• Website Development Committee, 2011-present
• M2 ICE Course Instructor, September 2009-present
• M3 Course Instructor September 2009- present

Nebraska Orthopaedic Hospital:
• Utilization Review Committee, 2013-present
• Finance Committee, 2012-present

Hasley, B:
Children's Hospital & Medical Center:
• Chair, Department of Surgery, 2016-present
• Medical Director of the Pediatric Orthopaedic Clinics of the Children's Specialty Physicians, May 2013-present

Medical Staff Committees, Children's Hospital & Medical Center:
• Chair, Surgical Services Interdisciplinary Committee, 2016-present
• Medical Executive Committee, 2016-present
• Focused Peer Review Committee, 2008-present

Jenson, M.L.:
Children's Hospital and Medical Center:
• Emergency Department Interdisciplinary Committee, Jan. 2015-Present
• Surgical Services Interdisciplinary Committee, Jan. 2014-Present

Konigsberg, B:
Adult Reconstruction Hip Program Committee, American Association of Orthopaedic Surgeons. June 2015-present
UNMC College of Medicine:
• Faculty Senate, College of Medicine, Jan. 2014-present
• Dissertation Thesis Committee, Krishna Sarma, Ph.D. student, Department of Genetics, Cell Biology and Anatomy, Dec. 2013-present
• Admissions Committee, May 2011–present
• Course Director, UNMC Orthopaedic Surgery Grand Rounds, Oct. 2010-present
• Instructor, M1, M2 ICE Course, Aug. 2010-present
• Instructor, 2nd Year Medical Students, Aug.2009-present

Nebraska Medicine
• Periop Quality, Safety & Patient Experience Committee, Sept. 2015-present
• DVT/PE Preventative Practices Committee, Sept. 2014 – present

McGarry, S:
UNMC:
• Faculty Senate, June 2013-present
• Continuing Education Committee, Oct. 2012-present
• Tissue Bank Review Committee, Member, 2006-present

Musculoskeletal Transplant Foundation (MTF):
• Executive Committee, Jan.2015-present
• Membership/Nominations Committee Member, Feb. 2012 – present
• Medical Board of Trustees, April 2006-present

Children's Hospital of Omaha Bylaws Committee, Member, Jan. 2008-present

National Comprehensive Cancer Network (NCCN):
• Soft Tissue Sarcoma Panel, July 2007-present
• Bone Cancer Panel, May 2006-present

Consultant Reviewer:
• Clinical Orthopaedics and Related Research, March 2011-present
• Orthopaedics, Feb. 2011-present

Mormino, M:
Mid-America Orthopaedic Association:
• Chairman, Finance Committee, 2014-2015
• Treasurer, 2014-2015

Education Committee, Orthopaedic Trauma Association, 2012-2015

AO North America:
• Fellowship Advisory Board, 2011-present
• Faculty, 1997-present

Nebraska Medicine
• Medical Director Perioperative Services, 2008- present
• Medical Director Orthopaedic Surgery Clinic, 2000- present

Graduate Medical Education Committee
• Journal of Orthopaedic Trauma, Feb. 2014-present
• Journal of Surgical Education, 2010-present
• Journal of the American Academy of Orthopaedic Surgeons, 1999-present

Scherl, S:
Children's Hospital & Medical Center:
• Omaha Surgical Services Interdisciplinary Committee, Jan. 2012-present
• Omaha Education Committee, January 2011-present
• Omaha Transfusion Committee, January 2010-present
• Omaha Trauma Performance Improvement and Patient Safety Committee, 2009-present
PUBLICATIONS (continued from pg. 13)

Pediatric Orthopaedic Society of North America:  
• Board of Directors, 2015-2017  
• Program Committee, May 2013-present  
• Advocacy Committee, May 2013-present

American Orthopaedic Association:  
• Traveling Fellowship Committee, June 2012-present  
• Chair, ASEAN Traveling Fellowship Subcommittee, June 2011-present

Siebler, J:  
Nebraska Medicine:  
• Trauma Peer Review Committee, 2014-present  
• Director, Orthopaedic CME Planning Committee, 2014-present

Streubel, P:  
• Trauma Process Improvement/Patient Safety Committee, 2014-present  
• Continuing Medical Education Committee, 2015-present  
• Clinical Effectiveness Trauma Committee, 2015-present  
• Perioperative Surgical Services Operations Committee, 2015-present

Career Launch Oversight Committee, UNMC, 2015-present  
Faculty, AO Trauma North America, 2012-present

Teusink, M:  
• Emerging Leaders Program, American Orthopaedic Association, June 2015-present  
• Ambulatory Center for Surgical Innovation Planning Committee, UNMC, 2014-present  
• Consultant Reviewer:  
  • Journal of Shoulder and Elbow Surgery, 2014-present  
  • Orthopaedics, 2013-present

Wallace, M:  
Children’s Hospital & Medical Center  
• Credentials Committee, Jan. 2016-present  
• Medical/Surgical Interdisciplinary Committee, Sept. 2015-present

PUBLICATIONS (continued from pg. 13)

They recommended Operation Walk USA.  
“When I was accepted I was absolutely ecstatic,” she said. “I’ve never been accepted for anything I applied for in my life.”

After her left knee replacement in December, Bostic should be back cheering from the sidelines in no time.

Operation Walk USA provides all aspects of treatment – surgery, hospitalization, and pre-and post-operative care – at no cost to participating patients.

UNMC Orthopaedic faculty members have participated in the program for many years and enjoy the opportunity to give the gift of mobility to these patients each year.

The facts:  
• Arthritic disease affects 46 million Americans  
• In just 6 years, Operation Walk USA has benefited more than 600 patients nationwide  
• In 2016, 55 surgeons will provide free joint replacements to 80 patients

Curtis Hartman, M.D. prepares for a left knee replacement with patient Brenda Bostic.
2016 Extraordinary Nurse: Rachel Johnson, BSN, RN

Rachel Johnson was chosen as this year’s Extraordinary Nurse by colleagues in the Nebraska Medicine Orthopaedic Clinic.

Rachel Johnson was nominated as an Extraordinary Nurse in March and will be recognized by the hospital during National Nurses Week in May.

Johnson has been the nurse case manager for the orthopaedic trauma service for a little over a year and has quickly become the go-to person for any issues that arise in trauma. Her job requires her to be a liaison between providers, patients and staff.

“She does an excellent job communicating with all involved in care; reaching out to other providers, care facilities and families,” colleagues wrote in her nomination form. “She ensures that all teams are coordinated to provide the best care for our patients.”

In addition to her positive attitude and professionalism in the clinic workplace, Johnson excels in her role as nurse, patient advocate, social worker, caregiver, resource, friend and role model for the entire department.

Faculty News

Congratulations to Dr. Philipp Streubel and Dr. Catalina Amador, on the birth of their daughter, Ana Streubel, on Jan. 14, 2016. Ana weighed 7-pounds, 20-ounces, and measured 20 inches. She is their second child, along with big sister, Olivia.

Dr. Streubel is an assistant professor in the Department of Orthopaedic Surgery and Rehabilitation. Dr. Amador is an assistant professor in the Department of Pathology and Microbiology.

Orthopaedic staff adopts a family for the holidays

The Department of Orthopaedic Surgery and Rehabilitation went beyond the call of duty this holiday season to help out a family in need.

Clinic and Academic staff, faculty and residents joined forces to raise $175 for the father of a two-time pediatric transplant patient at Nebraska Medicine.

The donation far exceeded our goal of $75, and was used to buy gift cards to JCPenny and Walmart. The gift cards were delivered to the family in December, just in time for Christmas.

This year, a total of 68 departments adopted 58 Nebraska Medicine patients and their families. Many of these patients stay at the hospital for an extended period of time, which leaves their families in great financial need.

The Adopt-a-Family program is just one way for hospital and university employees not only provide Christmas presents, but also a few basic necessities.

Thanks to the generous support of hundreds of employees, the program has never had to turn a family away.
In this issue

1 Giving the gift of mobility
Through Operation Walk USA and Nebraska Medicine, two Omaha-area patients received free joint replacements from associate professor Curtis Hartman, M.D.

3 Faculty participate at AAOS meeting
UNMC Orthopaedic Surgery faculty members presented at the annual AAOS meeting in Orlando, FL, in March 2016.

6 Physician joins sports medicine program
Ross Mathiasen, M.D., recently joined the Orthopaedic clinic. He specializes in primary care sports medicine and provides care for active individuals of every age.

Find us online!
Visit www.unmc.edu/orthosurgery to view or share this newsletter with friends and colleagues.

Want to join our e-newsletter list? Email sydnie.hochstein@unmc.edu to sign up!
Severe glenoid erosion after humeral head replacement: Revision using reverse total shoulder arthroplasty

Philipp N. Streubel, M.D., Assistant Professor
Hand, Shoulder and Elbow Surgery, Department of Orthopaedic Surgery

Case Report

Background:
Humeral head replacement (shoulder hemiarthroplasty) has a long track record for management of a wide variety of shoulder conditions, including avascular necrosis of the humeral head and glenohumeral joint arthritis[1]. Hemiarthroplasty for glenohumeral arthritis is mainly chosen in younger patients and those not willing to accept postoperative restrictions [2]. However, the native glenoid may continue to be a source of persistent pain or become symptomatic in a delayed fashion due to glenoid erosion [3-5]. Revision of a painful hemiarthroplasty to an anatomic total shoulder arthroplasty has been shown to yield reproducible improvement in pain, range of motion and function [6, 7].

Glenoid erosion plays a determinant role in the surgeon’s ability to place a glenoid component. In central wear patterns, the glenoid can frequently be prepared with reaming only, to provide a stable surface on which to implant an anatomic glenoid component. Posterior wear may be corrected with reaming the high side to correct retroversion of up to 15 degrees. In greater amounts of retroversion, posterior bone grafting or augmented implants may be used [8, 9]. In the most severe forms of glenoid wear, insufficient bone stock may preclude the ability to place an anatomic glenoid component [10]. Reverse total shoulder arthroplasty (RTSA) may be indicated as it offers reliable glenoid fixation even in the presence of only minimal glenoid bone stock [11, 12].

This case report describes the revision of a hemiarthroplasty to RTSA with allograft augmentation in a patient with rheumatoid arthritis and severe glenoid wear.

Case Example:
A 53-year-old male with a history of rheumatoid arthritis was referred to UNMC for revision of bilateral shoulder hemiarthroplasties that had been performed 16 years prior. Over the last several months the patient had developed constant shoulder pain and progressive loss of function with more severe symptoms on the right side. On physical exam he had well-healed deltopectoral incisions, active forward elevation to 45 degrees and intact deltoid function. Radiographs showed a stable humeral component with significant central wear of the glenoid medial to the base of the coracoid (Figure 1).

A CT scan was obtained which confirmed a central wear pattern, with insufficient bone stock to allow placement of an anatomic glenoid component (Figure 2). Reverse total shoulder arthroplasty was recommended to allow for glenoid component placement and maximize shoulder function in a shoulder with likely poor structural rotator cuff tendons.

Intraoperatively, significant scarring and advanced rotator cuff degeneration was noted with a non-repairable subscapularis tendon defect. Humeral implant extraction underwent uneventfully with reaming and broaching in preparation of a 10 mini (83mm) stem (Comprehensive Shoulder System, Biomet Zimmer, Warsaw, IN). After glenoid exposure, a central wear pattern was confirmed with significant medialization of the joint line. However, the inferior border of the glenoid was found to represent the paleoglenoid (Figure 2B). A central guide pin was then placed by aligning the inferior aspect of the Mini (25mm) base plate guide with the inferior border.
of the glenoid. Contact of two thirds of the back side of the base plate onto native bone, could thereby be achieved.

In order to maximize stabilization and restore glenoid bone stock, structural femoral head cancellous allograft was placed backing the superior aspect of the base plate. After final reaming, the base plate was fixed with one central non-locking screw and four peripheral locking screws. Excellent fixation of the baseplate and compression of the bone graft were thereby achieved. A 36 mm glenosphere and a +5 tray with liner were placed. The joint was reduced and satisfactory stability and range of motion were achieved. After wound irrigation, a subdeltoid drain was placed, and the deltopectoral interval and skin were closed.

The shoulder was immobilized in a sling. Passive range-of-motion (ROM) exercises were started at two weeks followed by active assisted ROM at six weeks. Strengthening ensued at the three-month mark.

Six months after surgery, the patient was pain free and very satisfied with the outcome. Forward elevation had improved to 90 degrees. Radiographs showed adequate implant position with lateralization of the base plate (Figure 3).

References: