

ADVANCEMENTS IN MOTION

LEADING INNOVATIONS IN ORTHOPAEDIC RESEARCH AND CARE



# TABLE OF CONTENTS

The University of Nebraska Medical Center  
Department of Orthopaedic Surgery and Rehabilitation Report

MESSAGE FROM THE CHAIR 4

ADVANCEMENTS IN OUR DEPARTMENT 6

About the Department 8  
Cutting-Edge Research 10  
Olympic Swim Trials Hit Omaha 12  
Meet the Full-Time Faculty 14  
In Remembrance 23

ADVANCEMENTS IN OUR RESIDENCY PROGRAM 33

About the Program 34  
Resident Life in Omaha 37  
Meet the Residents 38  
Recent Post-Graduate Fellowships 41  
Nebraska Orthopaedic Alumni 42

ADVANCEMENTS IN RESEARCH 44

Nano-Biotechnology Laboratory 46  
Biomechanics Laboratory 50  
Outcomes Database 54

SCIENTIFIC ABSTRACTS 56

VISITING SPEAKERS 2006-2007 90

GRANTS, FUNDS AND ENDOWMENTS 94

HONOR ROLL OF CONTRIBUTORS 97

DONOR PROFILE: RUTH AND BILL SCOTT 99

FRIEND OF ORTHOPAEDICS: DR. ROBERT VOLZ 102

FULL-TIME FACULTY ACTIVITIES 104

DEPARTMENT LIFE 114



## MESSAGE FROM THE CHAIR

Remaining at the forefront of orthopaedic research is vital to all aspects of a successful orthopaedic program. Our Biomechanics Lab has worked diligently to become a premier implant testing facility that is directly impacting design and testing standards for total joint implants today, and our Nano-Biotechnology Lab is making great strides in the field of nanotechnology by building tougher, “smarter” implants for future generations. Being a part of this innovative scientific research is essential to our ability to provide increased educational opportunities for our residents and to continuously offer better treatment options to our patients.

Omaha was a hub of activity this summer with the Olympic Swim Trials, which were held at the Qwest Center in June-July of this year. It was a great honor to be asked to spearhead the coverage for this spectacular event. Several orthopaedic faculty, along with a group of UNMC Physicians medical professionals from various specialties and hospital personnel, volunteered to provide medical and support services for the exceptional athletes that came to participate in this high profile competition. It was an exciting week for the department and for Omaha to be able to participate in such a historic event.

We are excited to announce that we have recruited two sports medicine physicians to join our team. Dr. Mark Dietrich, fellowship-trained in orthopaedic sports medicine, and Dr. Miguel Daccarett, fellowship-trained in the orthopaedic subspecialties of sports medicine, trauma and oncology, have joined our full-time faculty. You can learn more about each of them in the faculty section of this report.

As time moves on, we are inevitably faced with the reality that even greatness cannot live forever. In July of 2007, we shared with you the unfortunate news of the loss of our past chairman and esteemed colleague, Dr. John Connolly. A respected orthopaedic surgeon and educator, Dr. Connolly was the department’s first full-time chairman and built a nationally recognized orthopaedic residency training program in Nebraska. In August of 2007, we paid tribute to Dr. Stanley Bach, a tireless supporter of Children’s Hospital and UNMC’s Department of Orthopaedic Surgery. Dr. Bach was honored by Children’s Hospital and its medical staff as a “Pediatric Legend.” In more recent news, we learned of the passing of legendary Omaha philanthropist, Charles W. Durham, a visionary leader and faithful patron of the medical center, the Department of Orthopaedic Surgery, and the entire Omaha community. In tribute to these inspiring individuals, I invite you to read more about their many contributions in the “In Remembrance” section of this report.

The official ribbon-cutting ceremony for the Nebraska Arthritis Outcomes Research Center happened in July of 2007. The center is located on the third floor of Poynter Hall, and was made possible by a major donation from Bill and Ruth Scott. We offer our most sincere appreciation to the Scotts for their generous gift, which will give us the opportunity to conduct studies that will provide a better understanding of arthritis through detailed analysis of the many determinants used to predict outcomes for arthritis sufferers.

In addition, we extend a sincere thank you to everyone who made private contributions to the department during the 2006-2007 calendar years. Please make sure to see the “Honor Roll of Contributors” we have published to show our appreciation for these gifts, which provide vital resources for the continued success of our department’s residency education program, research projects, and much more.

We will continue to keep you abreast of future changes and newsworthy happenings in the department. Hopefully you enjoy perusing the report and take heart in knowing that it is support from our alumni and friends of the department that helps us continue to fulfill our mission of excellence in patient care, resident education, and cutting-edge research. Thank you for your support!

**Kevin L. Garvin, M.D.**  
Professor and Chair