Orthopedics and Rehabilitation

Chair
• J. Lawrence Marsh

Graduate degree: M.S. in athletic training
Faculty: https://medicine.uiowa.edu/orthopedics/leadership
Website: https://medicine.uiowa.edu/orthopedics/

Facilities
The Department of Orthopedics and Rehabilitation is housed in the John Pappajohn Pavilion of University of Iowa Hospitals & Clinics and has an active service in the VA Iowa City Health Care. The department’s facilities include 48 orthopedic beds, ten outpatient clinics, inpatient and outpatient operating rooms, a specialty library, a specialty radiology unit, and physical therapy and rehabilitation facilities. Its specialty clinics deal with virtually every orthopedic disorder known, including, but not limited to scoliosis, club feet, congenital dislocated hip, neuromuscular disease, metabolic disease, amputation, neoplasm, trauma, and neck, back, hip, foot, knee, and hand problems. Physicians in the outpatient clinic see approximately 280 patients per day and over 70,000 patients per year. Approximately 7,000 surgeries are performed each year.

The department’s Sports Medicine Clinic provides MRI, X-ray, and physical therapy services, and a full range of nonoperative orthopedic ambulatory care services.

Laboratories
The orthopedics laboratories deal with problems in these major subject areas.

Biochemistry
The biochemistry of proteoglycans, collagens, and matrix proteins, both normal and altered in musculoskeletal disorders.

Biomechanics
Problems of the upper extremity; biomechanics of the spine, hip, and gait; total joint replacements (in conjunction with the College of Engineering).

Bone Healing
Provides research toward better ways to heal bones.

Cell and Molecular Biology
Studies of normal bone, cartilage, tendon, muscle, and tissues altered by experiment and disease.