

THOMAS DUQUIN, MD

As an orthopaedic surgeon, I care for patients with a range of conditions affecting the musculoskeletal system, including acute injuries and chronic degenerative conditions. I received specialty fellowship training at the Mayo Clinic in shoulder and elbow surgery, the primary focus of my practice. Specifically, I have expertise in caring for patients with rotator cuff disorders and arthritis of the shoulder and elbow. My practice is located at the Erie County Medical Center (ECMC). I care for my outpatients here, and I also care for hospitalized trauma patients from Western New York and beyond who have been transported to ECMC. My overriding goals are to relieve pain and restore function for my patients.

My research interests focus on shoulder replacement surgery. I am currently involved in multiple studies: biomechanical evaluation of implant stability and wear in total shoulder and reverse total shoulder arthroplasty; clinical outcomes and the effect of patient expectations on results of total shoulder arthroplasty; diagnosis and treatment of infections in total shoulder arthroplasty; clinical outcomes following revision total shoulder arthroplasty; and a Food and Drug Administration investigational device exemption (FDA IDE) controlled trial of stemless total shoulder arthroplasty. Medical students and residents are welcome to work on research projects with me.

I am the director of medical student education for the Department of Orthopaedics. As such, I am responsible for coordinating clinical rotations and organizing physician mentors for medical students. I am also actively involved in resident training and work closely with residents on a daily basis. Additionally, I work on curriculum development for our residency program and am active in resident evaluation. I feel passionately that passing on what I have learned and fostering creative thinking among my medical students and residents are key to the future of medicine and patient care.