



FOR IMMEDIATE RELEASE

For further information contact:

Lynne Pratt
Marketing Communication Director
OrthoIllinois
815-381-7382 phone
lynnep@orthoillinois.com

Surgeon Presents Research on an Exciting New Area of Medicine: Radiomics

ROCKFORD, IL April 1, 2026 ... Surgeon **Scott Trenhaile, MD, FAAOS, FAANA** and fellow collaborators shared three abstracts accepted for presentation at the Orthopaedic Research Society last month.

The abstracts, titled “Variations in Image-based Radiomic Measures of the Rotator Cuff Muscles by Indication for Total Shoulder Arthroplasty,” “Predicting Shoulder Arthroplasty Outcome: Powered with CT-based Musculoskeletal Radiomics,” and “Differences in Pre-operative Computed Tomography Based Radiomic Measurements of Osteoarthritic Patients with Walch B2/B3 and Walch A1/A2 Glenoids,” dealt with **Radiomics**, a cutting-edge technology that turns medical images into quantitative data that can be analyzed by computers.

The revolutionary use of radiomics uses advanced image analysis to extract quantitative data from CT and MRI scans, allowing surgeons to move beyond visual interpretation and begin using imaging as a predictive tool for planning, decision-making, and outcome optimization.

Dr. Trenhaile, MD, is a shoulder surgeon at OrthoIllinois in Rockford, Illinois, specializing in advanced arthroscopic and reconstructive shoulder surgery, including rotator cuff repair, shoulder instability, and shoulder arthroplasty. He serves as Assistant Professor at Rush University Medical Center and Clinical Assistant Professor of Surgery at the University of Illinois College of Medicine. Dr. Trenhaile is an active member of the American Shoulder and Elbow Society, a Fellow of the AAOS, and a Fellow of AANA. A frequent national and international faculty member, Dr. Trenhaile has lectured extensively on rotator cuff repair, biologic augmentation, shoulder instability, shoulder arthroplasty, navigation, mixed reality, active intelligence, and surgical innovation. He has authored more than 60 publications, book chapters, surgical technique articles, and educational works, and holds 11 issued U.S. patents related to soft-tissue repair and surgical technology.

OrthoIllinois, a division of OrthoMidwest, PPLC., serves the Northern Illinois region in multi-specialty orthopedics from offices in Rockford, Algonquin and Elgin, Illinois and offers a full range of bone and joint care including the additional specialties of podiatry, physical medicine and rehabilitation, occupational health and rheumatology. OrthoIllinois offers the ancillary services of physical therapy, MRI, and out-patient surgery centers. #

... a higher standard of care.