Biosketch

Daniel E. Wessell, M.D., Ph.D., is a musculoskeletal radiologist, Vice Chair for Research, and Program Director of the Musculoskeletal Radiology Fellowship. His academic work focuses on optimizing imaging evaluation of musculoskeletal tumors, infection, trauma, and degenerative disease, as well as advanced MRI and CT techniques for bone and soft-tissue disorders.

Dr. Wessell has authored numerous peer-reviewed publications and national guideline documents. He is a recurrent member of American College of Radiology (ACR) Expert Panels for Musculoskeletal, Neurological, and Interventional Imaging, contributing to multiple ACR Appropriateness Criteria® updates on topics including suspected osteomyelitis in diabetic feet, acute hip pain, primary bone tumors, soft tissue masses, vertebral compression fractures, plexopathy, inflammatory back pain, osteomyelitis and septic arthritis, and acute knee and hand trauma. His work with the Society of Skeletal Radiology also includes a position paper on the use of contrast in musculoskeletal MRI and narrative reviews on whole-body MRI and skeletal muscle diffusion tensor imaging.

In addition to guideline development, Dr. Wessell's research explores radiology–pathology correlation in bone and soft-tissue tumors, CT attenuation in benign versus malignant sclerotic lesions, functional and quantitative MRI of cartilage and muscle, and imaging outcomes after treatment of benign bone lesions. Earlier in his career, he contributed to imaging physics and nuclear medicine projects involving SPECT mammography and small-animal SPECT.

As fellowship director and vice chair for research, Dr. Wessell is deeply involved in education and mentorship of residents, fellows, and junior faculty, and in fostering clinically relevant, collaborative research in musculoskeletal radiology.