



Jewish General Hospital
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"Quantitative MRI in the Loaded Knee"

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Abstract

For the knee joint to function properly, biomechanics must be optimal at both the joint and tissue level. However, assessing joints and tissues non-invasively and simultaneously under physiologic loading conditions is challenging. Dr. McWalter will present her lab's approach to examining the structure-function relationship in the knee using novel, MRI-safe loading devices and quantitative MRI both *ex vivo* and *in vivo*.