

# Objective Evaluation of Muscular Strength Parameters and Joint Health Using Isokinetic Dynamometry

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## *Abstract*

This study is aimed at developing and implementing isokinetic dynamometry and advanced procedures for the assessment of musculo-skeletal disorders. Using these advanced methods, physicians are able to track the progression of musculo-skeletal injuries with quantitative measurements. The techniques being developed will also allow physicians to quantify the degree of injury, allowing them to customize treatment and rehabilitation plans to the individual patient. This will also allow clinicians to declare whether a patient is ready to return to work or sport.