PERSISTENT HIP PAIN AFTER TOTAL HIP REPLACEMENT AND REVISION SECONDARY TO ILIOPSOAS MUSCLE STRAIN.

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POSTER ABSTRACT

We report an 82 year old man who had six years of persistent right hip pain after a revision of his total hip replacement. His pain was primarily in his right hip, radiating down the lateral aspect of his thigh and he had significant tenderness with deep palpation posterior to his greater trochanter. He was unable to bear weight on his hip and felt relief only when resting his leg crossed on top of the other. A previous lumbar spine MRI revealed foraminal stenosis at the L4 nerve root on the affected side. Lumbar epidural steroid injection and greater trochanter bursa injection did not provide relief. A hip MRI using the metal artifact reduction sequence (MARS) protocol revealed edema of the musculotendinous junction of the iliopsoas muscle consistent with a partial tear. We performed an ultrasound guided iliopsoas injection using 0.25% bupivacaine and triamcinolone. His near complete pain relief confirmed the diagnosis of iliopsoas muscle strain as the likely cause of his persistent hip pain after hip replacement.

This case illustrates the importance of considering iliopsoas musculotendinous injury before, during, or after hip replacement as an important, albeit uncommon, cause of persistent hip pain. The availability of the MARS MRI is helpful in evaluating persistent hip pain post total hip replacement.

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