

# **Value of MR arthrography in symptomatic patients with negative conventional shoulder MR imaging**

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## ***ABSTRACT***

**Objectives:** To validate the value of direct MRI arthrography of shoulder joint over conventional MRI in diagnosis of shoulder pathology in symptomatic patients.

**Methods:** We performed observational, analytical and prospective study, including 50 patients who were clinically suspected to have shoulder pathology after clinical examination. All patients underwent history taking and clinical examination, conventional MRI shoulder; ultrasound guided intra-articular contrast injection and MR Arthrography.

**Results:** MR arthrography detected different types of shoulder pathology, the labral injuries included Labral Bankert and SLAP, rotator interval tear, frozen shoulder and different muscle and ligaments pathology. In our study the specificity and sensitivity of MR Arthrogram higher than that of conventional MRI in detection of labro-ligamentus lesions.

**Conclusion:** The results support the use of MRA for the diagnosis of different shoulder pathology can't be detected or suspected by conventional MRI but not sure of diagnosis

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