

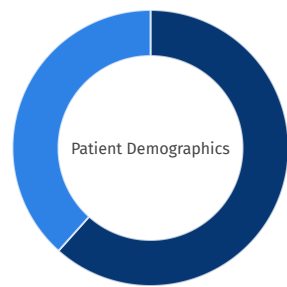
Diagnostic Accuracy of Ultrasonography vs. MRI in Shoulder Tears

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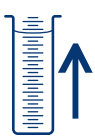
Background

Shoulder pain is the most common musculoskeletal disorder worldwide, mostly caused by supraspinatus tendon tears.



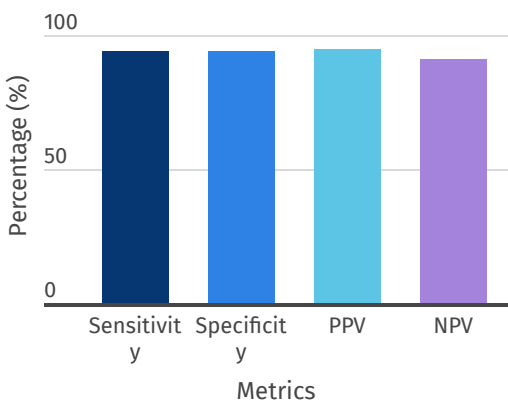
Study Details

A survey of 85 patients (mean age: 52.3 years) was conducted at Combined Military Hospital Abbottabad.



Methods

Participants underwent high-resolution ultrasound and MRI for diagnosing supraspinatus tendon tears.



Results

Ultrasonography had high diagnostic accuracy similar to MRI, achieving 94% sensitivity and specificity.



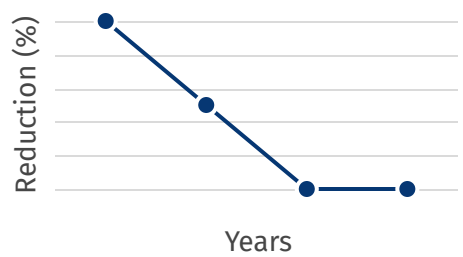
Tear Types

Ultrasonography sensitivity: 89.5% for partial tears, 97.1% for full-thickness tears.



Conclusion

Ultrasonography is a cost-effective first-line tool for supraspinatus tendon tears in low-resource settings.



Global Impact

Training in musculoskeletal ultrasonography may reduce healthcare disparity in shoulder care worldwide.



Future Directions

The findings advocate for regional studies validating ultrasonography's efficacy, fostering its adoption as a primary diagnostic tool in managing shoulder pain globally.