

PEER-REVIEW REPORT

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Title: Role of shear wave elastography (SWE) in the evaluation of the treatment and prognosis of supraspinatus tendinitis

Reviewer's code: 02884248

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: United Kingdom

Author's Country/Territory: China

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Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input type="checkbox"/> No
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SPECIFIC COMMENTS TO AUTHORS

At present, VAS and CMS are often utilized to evaluate the pain and function of the shoulder and to judge the effect of treatment. The calculation of these two scores are mainly depends on the patient's feelings and physical examination. Although simple and easy to perform, they are highly subjective. Current researches have indicated that VAS and CMS have difficulty in accurately assessing the real fact of treatment effects and prognosis. Among objective imaging examination methods, although MRI is the most accurate tool in the diagnosis of supraspinatus tendinitis, it is not suitable for the evaluation of treatment efficacy since frequent assessment is unrealistic. SWE can quantitatively analyze the tissue elasticity in the targeted region of interest by measuring Young's modulus value. It has been applied in the differential diagnosis of benign and malignant tumors. In this study, the changes in the YM value of patients with supraspinatus tendinitis during treatment observed. The results of this study is very interesting. The follow up data is good. Tables and figures should be moved the end of the manuscript. And the manuscript requires an minor language editing.