

PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Surgery

Manuscript NO: 58782

Title: Model for liver hardness using two-dimensional shear wave elastography, durometry, and preoperative biomarkers

Reviewer's code: 02926997

Position: Peer Reviewer

Academic degree: MD

Professional title: Associate Professor

Reviewer's Country/Territory: Iran

Author's Country/Territory: China

Manuscript submission date: 2020-08-27

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2020-10-12 13:16

Reviewer performed review: 2020-10-12 13:53

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" 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 Grade E: Do not publish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 type="checkbox"/> Grade B: Minor language polishing <input checked="" 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 type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

Thank you for sending me the article entitled “Model for liver hardness using two-dimensional shear wave elastography, durometry, and preoperative biomarkers” for review. This retrospective study evaluated the correlations between 2D-SWE, palpation by surgeons, and durometer-measured objective liver hardness and constructed a model for predicting liver hardness. The study concluded that Liver stiffness assessed by 2D-SWE and palpation correlated well with durometer hardness values. The new developed model could calculate the durometer hardness values for predicting PHLF. The authors have done too much in the study. I have some comments as the followings: 1-Please define the 95% CI for all correlation coefficients. 2-Please do not duplicate the data of tables in the text. 3-Please define the criteria for validation cohort. 4-Liver congestion could cause liver stiffness. Were patients with right side heart failure excluded from the study?