

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Gastrointestinal Surgery*

**Manuscript NO:** 88334

**Title:** To explore the pathogenesis of anterior resection syndrome by MRI rectal defecography

**Provenance and peer review:** Invited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 06118161

**Position:** Editorial Board

**Academic degree:** FACS, FICS, FRCS (Ed), MBBS, MS

**Professional title:** Professor

**Reviewer's Country/Territory:** India

**Author's Country/Territory:** China

**Manuscript submission date:** 2023-10-07

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-10-14 09:07

**Reviewer performed review:** 2023-10-18 13:47

**Review time:** 4 Days and 4 Hours

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 Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

<b>Scientific significance of the conclusion in this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

#### SPECIFIC COMMENTS TO AUTHORS

1.yes 2.yes 3.yes 4.yes 5.yes 6.yes. this study shows that MRI defecography has good application value in the diagnosis and evaluation of LARS 7.yes, relevant and appropriate 8.Good quality and appropriate. 9.yes 10. not sure 11.adequate, but could have have added some more latest references. 12.satisfactory 13.Observational study 14. Ethical clearance not mentioned.

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**Reviewer's code:** 05776275

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Research Associate

**Reviewer's Country/Territory:** United Kingdom

**Author's Country/Territory:** China

**Manuscript submission date:** 2023-10-07

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-11-01 14:52

**Reviewer performed review:** 2023-11-07 01:49

**Review time:** 5 Days and 10 Hours

Scientific quality	<input checked="" type="radio"/> Grade A: Excellent <input type="radio"/> Grade B: Very good <input type="radio"/> Grade C: Good <input type="radio"/> Grade D: Fair <input type="radio"/> Grade E: Do not publish
Novelty of this manuscript	<input checked="" type="radio"/> Grade A: Excellent <input type="radio"/> Grade B: Good <input type="radio"/> Grade C: Fair <input type="radio"/> Grade D: No novelty
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<b>Conclusion</b>	<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
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	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

The manuscript demonstrated that there is statistical significance in MRI-RC Score and MRI defecation rate between postoperative patients and control group with MRI defecography and LARS score. The manuscript successfully identified a model that identified sever and mild LARS patients, as well as demonstrated that there is statistically significant difference between severe and mild LARS assessed by two distinct methods. The manuscript was able to demonstrate that the proposed model is comparable in effectiveness with the LARS scale. This manuscript also demonstrated that Contrary to LARS score of patients returning to moderate state, the images of defecography demonstrated that patients are in difficulty one year after TME.