

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 86367

Title: Novel deformable self-assembled magnetic anastomosis ring for endoscopic treatment of colonic stenosis via natural orifice

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05465429

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor, Staff Physician

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2023-06-14

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-07-23 16:46

Reviewer performed review: 2023-07-30 18:10

Review time: 7 Days and 1 Hour

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 Grade E: Do not publish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
Creativity or innovation 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 creativity or innovation

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

SPECIFIC COMMENTS TO AUTHORS

Dear Editor, Dear Author, I read with great interest the manuscript entitled “Novel deformable self-assembled magnetic anastomosis ring (DSAMAR) for endoscopic treatment of colonic stenosis via natural orifice” by Zhang MM et al. This was an animal study evaluating efficacy and safety of magnetic anastomosis for the treatment of benign colonic stenosis via natural orifice, by the use of a previously unreported deformable self-assembled magnetic anastomosis ring (DSAMAR). I consider the study well conducted, well presented, and relevant for the research context.

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02534290

Position: Editorial Board

Academic degree: MD, MSc, PhD

Professional title: Doctor, Professor, Surgeon, Surgical Oncologist

Reviewer's Country/Territory: Romania

Author's Country/Territory: China

Manuscript submission date: 2023-06-14

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-06-28 04:45

Reviewer performed review: 2023-07-31 00:48

Review time: 32 Days and 20 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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SPECIFIC COMMENTS TO AUTHORS

Title. Does the title reflect the main subject/hypothesis of the manuscript? 2 Abstract. Does the abstract summarize and reflect the work described in the manuscript? - yes 3 Key Words. Do the key words reflect the focus of the manuscript? - yes 4 Background. Does the manuscript adequately describe the background, present status and significance of the study? - yes 5 Methods. Does the manuscript describe methods (e.g., experiments, data analysis, surveys, and clinical trials, etc.) in adequate detail? - yes 6 Results. Are the research objectives achieved by the experiments used in this study? What are the contributions that the study has made for research progress in this field? - yes 7 Discussion. Does the manuscript interpret the findings adequately and appropriately, highlighting the key points concisely, clearly and logically? Are the findings and their applicability/relevance to the literature stated in a clear and definite manner? Is the discussion accurate and does it discuss the paper's scientific significance and/or relevance to clinical practice sufficiently? - yes 8 Illustrations and tables. Are the figures, diagrams, and tables sufficient, good quality and appropriately illustrative, with labeling of figures using arrows, asterisks, etc, and are the legends adequate and



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accurately reflective of the images/illustrations shown? - yes 9 Biostatistics. Does the manuscript meet the requirements of biostatistics? - yes 10 Units. Does the manuscript meet the requirements of use of SI units? - yes 11 References. Does the manuscript appropriately cite the latest, important and authoritative references in the Introduction and Discussion sections? Does the author self-cite, omit, incorrectly cite and/or over-cite references? - yes 12 Quality of manuscript organization and presentation. Is the manuscript well, concisely and coherently organized and presented? Is the style, language and grammar accurate and appropriate? - yes 13 Research methods and reporting. Authors have prepared their manuscript after STROBE Statement - yes 14 Did the manuscript meet the requirements of ethics? - yes Dear Authors, Congratulation for your article! The idea is very original consisting in the introduction of both magnets proximal and distal from the same side - distal using the colonoscope and then the Guide wire under xray supervision. It was demonstrated that the magnets are assembling themselves in the desired annular position and self assemble. In Only one experiment the magnets failed to arrange in the desired position but it was finally recovered. At 6 days median the magnets are expelled. This is an excellent experimental demonstration in pigs. For human application it will need a very short and membrane like stenosis, this is unfortunately rare, most of stenosis have a short fibrotic tract, so, it will have to prove its success in human studies. For the time being the paper is excellent from all points of view.