



## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 63395

**Title:** Non-occlusive mesenteric ischemia: diagnostic challenges and perspectives in the era of artificial intelligence

**Reviewer's code:** 02941622

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2021-01-28

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2021-01-29 09:27

**Reviewer performed review:** 2021-02-01 09:57

**Review time:** 3 Days

<b>Scientific quality</b>	<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 Grade E: Do not publish
<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 type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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#### **SPECIFIC COMMENTS TO AUTHORS**

Bourcier et al. provided a review about NOMI. Overall, this review is well written. However, intestinal vasculitis including PAN occasionally presents NOMI, and this should be reviewed as the pit-falls of work-up.



## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 63395

**Title:** Non-occlusive mesenteric ischemia: diagnostic challenges and perspectives in the era of artificial intelligence

**Reviewer's code:** 03274427

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Deputy Director, Doctor, Professor

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

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

**Manuscript submission date:** 2021-01-28

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2021-02-08 03:48

**Reviewer performed review:** 2021-02-08 05:38

**Review time:** 1 Hour

<b>Scientific quality</b>	<input checked="" type="checkbox"/> Grade A: Excellent <input 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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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#### **SPECIFIC COMMENTS TO AUTHORS**

Acute mesenteric ischemia (AMI) is a life - threatening conditions associated with poor prognosis, ultimately leading to death due to multiorgan failure. Non-occlusive mesenteric ischemia (NOMI) represents a particular form of AMI, and continues to result in high mortality and has no specific treatment strategy. In this paper, the authors provide us with a valuable review regarding NOMI, their presentation, their mechanics, the pitfalls of routine work-up diagnostic exams including biomarkers, imaging and endoscopy, and raise the perspectives of new biomarker exams and artificial intelligence. This paper is suitable for general readers of the World Journal of Gastroenterology, and will play a guiding role in the daily clinical work of doctors in related fields. However, in the description of medical imaging in the paper, the authors have used the word "imagery" many times. In fact, this word has never been used in the medical imaging literature. Therefore, I suggest that the authors invite an abdominal radiologist in your hospital to revise the relevant parts of this manuscript.