



## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 79221

**Title:** Colon mucosal injury caused by water jet malfunction during a screening colonoscopy: Case report

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

**Peer-review model:** Single blind

**Reviewer's code:** 06198465

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** South Korea

**Author's Country/Territory:** United States

**Manuscript submission date:** 2022-08-11

**Reviewer chosen by:** Dong-Mei Wang

**Reviewer accepted review:** 2022-08-25 06:12

**Reviewer performed review:** 2022-08-25 12:26

**Review time:** 6 Hours

<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 Grade E: Do not publish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 checked="" 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



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

It is a very interesting case report of colon mucosal injury caused by an endoscopic water jet. I have several questions. First, where did the rubber piece come from? (If you have a photo, it would be appreciated if you could show it.) Second, during the reprocessing of the colonoscope, what do you think is the reason why the rubber piece was not found while brushing?



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**Peer-review model:** Single blind

**Reviewer's code:** 03478404

**Position:** Editor-in-Chief

**Academic degree:** MD, PhD

**Professional title:** Associate Professor

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2022-08-11

**Reviewer chosen by:** Dong-Mei Wang

**Reviewer accepted review:** 2022-08-25 08:45

**Reviewer performed review:** 2022-08-29 14:56

**Review time:** 4 Days and 6 Hours

<b>Scientific quality</b>	<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
<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 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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input 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
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### SPECIFIC COMMENTS TO AUTHORS

This case is unusual and it points out a complication due to a malfunction of the colonoscope. It has practical importance and endoscopists should be aware of this. I have listed some comments below, for consideration: 1. Please avoid redundant data, throughout all the sentences of the manuscript. 2. Abstract: Please insert the age of the patient and that she had no known past medical conditions. Please insert abbreviation “Pt” before using it. Please mention that only the caecum was affected (in: “...damaged the colon mucosa”). Please mention that it was “oozing bleeding”, as it appears in the main text. 3. Case presentation: History of present illness: a. Could you please show the image of the piece of rubber? This is highly important. Without it...there is no evidence. And, please, where did it come from, more specifically? b. “Later in the same endoscopy unit, during a colonoscopy on another patient, a different endoscopist found that the water jet of the colonoscope” – please insert “same” before colonoscope. In fact, it appears now that two cases were injured. Maybe you could present also images from the 2nd case. 3. Discussion: Please mention whether the functions of the colonoscope were checked before the maneuver. If so, at least, in the 2nd case, the lesions could have been prevented. Otherwise, the conclusion “Endoscopists should be vigilant to recognize potential endoscopic malfunction.” has no relevance. Please also correct: “Although this incidence” to “Although this incident”. 4. Please insert Authors ORCID Numbers. 5. Please insert running (short) title. 6. Please write the manuscript according to the journal format requirements, including references. 7. Please insert « Conflict-of-Interest Disclosure Form » and proper « Copyright License Agreement » (not as Supplementary Material).



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**Peer-review model:** Single blind

**Reviewer's code:** 05038454

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Doctor

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2022-08-11

**Reviewer chosen by:** Dong-Mei Wang

**Reviewer accepted review:** 2022-08-26 14:47

**Reviewer performed review:** 2022-09-05 15:09

**Review time:** 10 Days

<b>Scientific quality</b>	<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
<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 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



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

In this case report, the authors presented a case of iatrogenic colon mucosa injury caused by water jet malfunction during a screening colonoscopy, this is a rare adverse events. The case report is interesting, however, I have several concerns. 1) Because this adverse event was induced by malfunction of the water jet/endoscope, can we (endoscopists) figure out the malfunction before the screening procedure? If we can, we can avoid the iatrogenic injury. Please discuss this in the "Discussion". 2) Was there any risk factors for water jet/colonoscopy malfunction, such as no maintainance or check for a long time? Maybe we can discuss it. 3) It is suboptimal to shown personal communication in the discussion part, as the grade of evidence is low. 4) Was there a relationship between mucosal injury with the pylop 3 months later, as they were at the same site? 5) It would be better the authors provided Video to show the dynamic injury.



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**Peer-review model:** Single blind

**Reviewer's code:** 03668600

**Position:** Editorial Board

**Academic degree:** MD, MSc, PhD

**Professional title:** Professor, Staff Physician

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2022-08-11

**Reviewer chosen by:** Dong-Mei Wang

**Reviewer accepted review:** 2022-08-29 16:40

**Reviewer performed review:** 2022-09-06 09:40

**Review time:** 7 Days and 16 Hours

<b>Scientific quality</b>	<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
<b>Language quality</b>	<input 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 checked="" 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 type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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**SPECIFIC COMMENTS TO AUTHORS**

Very uncommon technical situation, not a priority for readers or publishers.



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**Peer-review model:** Single blind

**Reviewer's code:** 05846800

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2022-08-11

**Reviewer chosen by:** Dong-Mei Wang

**Reviewer accepted review:** 2022-08-30 09:52

**Reviewer performed review:** 2022-09-07 21:41

**Review time:** 8 Days and 11 Hours

<b>Scientific quality</b>	<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
<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 checked="" type="checkbox"/> Yes <input 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
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### **SPECIFIC COMMENTS TO AUTHORS**

The authors presented a case of iatrogenic colonic mucosal injury caused by water jet malfunction. There are some important points to be considered and revised in the manuscript as below. 1. How much area and force (such as pascal) are applied to the gastrointestinal mucosa and to what extent does the mucosal injury? It would be interesting to have data and reports on these points from in vitro and/or ex vivo. 2. Is it possible the mucosal injury occurred following over insufflation? 3. The endoscopic image of the cecum with mucosal injury is showed in Fig. 1A. Please show the image of the cecum when it is reached, instead of the image of the transverse colon. It is important to determine whether the mucosa is injured by contact with the endoscope or by the water jet.