



## PEER-REVIEW REPORT

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

**Manuscript NO:** 84813

**Title:** Contrast-induced ischemic colitis following coronary angiography: A case report

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

**Peer-review model:** Single blind

**Reviewer's code:** 02451447

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2023-04-11

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-04-11 18:44

**Reviewer performed review:** 2023-04-13 18:24

**Review time:** 1 Day and 23 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 Grade E: Do not publish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>Novelty of 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 novelty
<b>Creativity or innovation of 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 creativity or innovation



<b>Scientific significance of the conclusion in this manuscript</b>	<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 scientific significance
<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 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**

The authors described one contrast-induced ischemic colitis following coronary angiography. Comment: 1. Post-cardiovascular surgery and coronary angioplasty are well-known etiologies to cause ischemic colitis, although most of the time the thrombi cannot be appreciated in imaging studies since they may only involve small vasculature. The imaging study did not see mesenteric vascular thrombi cannot exclude this possibility. 2. Vascular spasm due to reasons such as medication also can cause ischemic colitis, the authors need to exclude this possibility. 3. The authors contributed the ischemic colitis to the contrast use. There is no direct evidence to show this. 4. The diagnosis of ischemic colitis was only based on CT imaging study. The imaging findings in this case was not specific for ischemic colitis. The evidence of ischemic colitis was missing from endoscopic finding and pathology biopsy diagnosis.



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**Peer-review model:** Single blind

**Reviewer's code:** 02468626

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Associate Professor

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

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

**Manuscript submission date:** 2023-04-11

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-04-19 10:30

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**Review time:** 4 Days and 10 Hours

<b>Scientific quality</b>	<input 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 checked="" type="checkbox"/> Grade E: Do not publish
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<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
<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**

This is a case report on a putative ischemic colitis by iohexol, a contrast agent used for coronary angiography. 1) Overall, the case is not well written. The clinical sequence is not easy to follow and some gaps are present (the patient was gradually worsening and then suddenly had a quick and excellent recovery). 2) The hypothesis that ischemic colitis was provoked by contrast infusion is neither adequately proven nor substantiated in the discussion. I have found no previous descriptions in this regard. How would have ischemia occurred? On the other hand, we cannot rule out that ischemic colitis was induced by the comorbidities of the patient that were numerous. 3) If suspicion of ischemic colitis was raised, why was IV contrast given again twice for CT scan? 4) While the discussion is too long, still the possible causes of ischemic colitis are not thoroughly discussed (for instance, ischemic colitis induced by colonoscopy is not mentioned)



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**Peer-review model:** Single blind

**Reviewer's code:** 03714290

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

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

<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>Novelty of this manuscript</b>	<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 novelty
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	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

An interesting and original case report proposing an association between contrast exposure during coronary angiography and ischemic colitis and providing reliable evidence of this. The manuscript is relevant and well-written, the case well described with an interesting discussion. This could be clinically important raising awareness for this possible adverse event.