

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

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 Grade E: Do not publish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 type="checkbox"/> Grade B: Good <input checked="" 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 type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in 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 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 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
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	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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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

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

Reviewer performed review: 2023-04-23 20:53

Review time: 4 Days and 10 Hours

Scientific quality	<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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Peer-reviewer statements	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

Manuscript submission date: 2023-04-11

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-04-18 09:23

Reviewer performed review: 2023-04-26 21:13

Review time: 8 Days and 11 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

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.