

PEER-REVIEW REPORT

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Title: Natural history of inferior mesenteric arteriovenous malformation that led to ischemic colitis.

Reviewer's code: 03656586

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Chief Doctor, Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Japan

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Reviewer chosen by: Jin-Lei Wang

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Scientific quality	<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 Grade E: Do not publish
Language quality	<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
Conclusion	<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
Re-review	<input checked="" type="checkbox"/> Yes <input 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



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SPECIFIC COMMENTS TO AUTHORS

This study reported a case of ischemic colitis caused by idiopathic inferior mesenteric AVM, and the diagnostic process was described in detail. As we know, ischemic colitis around the rectum is very rare, this case suggests that to avoid missed diagnosis and misdiagnosis in clinical, the possibility of AVM should be fully considered when we detected ischemic colitis around the rectum. Besides, AVM is mainly diagnosed by mesenteric angiography, and this study suggests that Contrast-enhanced CT and CT angiography are also useful for diagnosis of an inferior mesenteric AVM. In addition, concerning treatment for AVM, surgical approaches are mainly used in clinical. embolization could caused more severe ischemia when the range of AVM was wide. This study suggests that we need to consider how widespread the AVM is when we treat mesenteric AVMs. In conclusion, this report first described the natural history of idiopathic AVM and put forward new suggestions on diagnosis and treatment, which can improve the understanding of idiopathic AVM course development in clinical. However, the pathogenesis of idiopathic AVM is still unclear, so further accumulation of cases is needed to research the mechanisms.