

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 76915

Title: ST-segment Elevation Myocardial Infarction in a Young Adult with a History of Kawasaki Disease: A Case Report of an Often-Neglected Arena

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06277687

Position: Peer Reviewer

Academic degree: MM

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: South Korea

Manuscript submission date: 2022-04-13

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-04-14 08:47

Reviewer performed review: 2022-04-18 04:46

Review time: 3 Days and 19 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 Grade E: Do not publish
Language quality	<input checked="" type="radio"/> Grade A: Priority publishing <input type="radio"/> Grade B: Minor language polishing <input type="radio"/> Grade C: A great deal of language polishing <input type="radio"/> Grade D: Rejection
Conclusion	<input checked="" type="radio"/> Accept (High priority) <input type="radio"/> Accept (General priority) <input type="radio"/> Minor revision <input type="radio"/> Major revision <input type="radio"/> Rejection
Re-review	<input checked="" type="radio"/> Yes <input type="radio"/> 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

A case of st-segment elevation myocardial infarction in an adult male with a history of Kawasaki disease was reported. The author systematically summarized 30 related similar cases, but there are still relevant questions to be raised: 1. Page 8 "The combination of aspirin and warfarin has been shown to reduce the risk of Thrombosis in subjects with Giant aneurysms (Z Score > 10) "can you specify how to prevent bleeding while anticoagulation, and how often should coagulation function be monitored? 2. "Governmental initiatives may be necessary to Educate and promote physicians." To make guardians of children with Kawasaki disease aware of the lifelong nature of vascular management. This case is very well written, informative and detailed. If the above two points can be supplemented, it will be more perfect.

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05345731

Position: Peer Reviewer

Academic degree: BSc, MD

Professional title: Doctor

Reviewer's Country/Territory: Kazakhstan

Author's Country/Territory: South Korea

Manuscript submission date: 2022-04-13

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-04-20 01:48

Reviewer performed review: 2022-04-26 10:37

Review time: 6 Days and 8 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
Language quality	[<input checked="" type="radio"/>] Grade A: Priority publishing [<input type="radio"/>] Grade B: Minor language polishing [<input type="radio"/>] Grade C: A great deal of language polishing [<input type="radio"/>] Grade D: Rejection
Conclusion	[<input checked="" type="radio"/>] Accept (High priority) [<input type="radio"/>] Accept (General priority) [<input type="radio"/>] Minor revision [<input type="radio"/>] Major revision [<input type="radio"/>] Rejection
Re-review	[<input checked="" type="radio"/>] Yes [<input type="radio"/>] No



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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
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SPECIFIC COMMENTS TO AUTHORS

The manuscript title "ST-segment Elevation Myocardial Infarction in a Young Adult with a History of Kawasaki Disease: A Case Report of an Often-Neglected Arena" demonstrates a high quality case-report supported by a good quality imaging data as well as case-series literature review data. I highly recommend the article to be published.

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04159375

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Attending Doctor, Doctor

Reviewer's Country/Territory: Japan

Author's Country/Territory: South Korea

Manuscript submission date: 2022-04-13

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-04-20 04:03

Reviewer performed review: 2022-04-29 07:05

Review time: 9 Days and 3 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
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SPECIFIC COMMENTS TO AUTHORS

The authors revealed that imaging surveillance and medical therapy were performed with low rate (1/19) and through the case series (19 patients including their own case) of underlying definite Kawasaki disease presenting with ACS. This reviewer would like to give some comments in this study. Major: 1. Their own case doesn't seem to have specific characteristics which distinguish between their case and previously reported cases. 2. The authors searched only cases of Kawasaki disease presented with ACS. This reviewer think it is quite natural that ACS tend to occur in those cases without imaging surveillance and/or medical therapy. To confirm the benefit of imaging surveillance, medical therapy, or Z score in preventing thrombotic outcomes, comparison with cases that have adequate follow-up is necessary. Minor In page 6 1, smoking for 5 years→ He is current smoker or not? 3. ST elevation in leads in leads II, III and aVF and V4-6 4. Why there is no abnormal Q and T inversion despite after one day since onset? 5. left ventricular systolic function (left ventricle ejection fraction (LVEF): 47%). In page 7 6. We were not able to further advance the IVUS catheter into the OM due to resistance and angulation→ there was no coronary stenosis around the aneurysm? 7. A drug-eluting stent (Genoss™ 4.5 x 23 mm, Genoss, Suwon, Korea)→ Why the authors used the DES but not large size BMS? Thrombosis formation outside the stent might be difficult when DES was used. 8. There is nor description of Z score in Table1. 9. Please explain Figure 3 in figure legend. What means the boxes in the first and second rows.

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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03736629

Position: Peer Reviewer

Academic degree: Doctor

Professional title: Associate Chief Physician

Reviewer's Country/Territory: China

Author's Country/Territory: South Korea

Manuscript submission date: 2022-04-13

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-04-24 09:23

Reviewer performed review: 2022-05-01 07:09

Review time: 6 Days and 21 Hours

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 type="checkbox"/> Accept (General priority) <input checked="" 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="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
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SPECIFIC COMMENTS TO AUTHORS

KD is an important cause of coronary artery lesions in children. So far, there are only a few studies focusing on the sequelae of KD in adult period. This case report provided a complete case of coronary artery thrombosis in adult caused by KD induced coronary artery lesions. There are several questions about this study: 1. How long had the patient been followed-up for KD in childhood? Have he been found to have coronary artery lesion in the acute stage of KD? 2. The patient was at high risk of thrombosis. Why do you choose dual antiplatelets instead of 1 antiplatelet drug+ 1 anticoagulation drug? 3. The use of stent is controversial in KD. More literature review on stenting may helpful for the further treatment. 4. Was MRI considered for the evaluation of myocardial recovery in follow-up?

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Peer-review model: Single blind

Reviewer's code: 04159375

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Attending Doctor, Doctor

Reviewer's Country/Territory: Japan

Author's Country/Territory: South Korea

Manuscript submission date: 2022-04-13

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-06-07 08:22

Reviewer performed review: 2022-06-08 16:51

Review time: 1 Day and 8 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" 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 type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statementsConflicts-of-Interest: [] Yes [**Y**] No**SPECIFIC COMMENTS TO AUTHORS**

The authors did not show adequate response to my major comments. 1. I think that a case report in a scientific journal should have some specific features, which can be distinguished from previous cases, even if case series from literature are included in the discussion. If their own case series are presented, it could be acceptable. Or I recommend an alternative manuscript type such as review article including their own cases. 2. Response to my second major comment is not adequate. I think there is lack of evidence confirming the usefulness of imaging surveillance. This should have been described as limitation.