Reviewer’s report

Title: Myocardial bridging as a cause of acute myocardial infarction secondary profound anemia related to inappropriate blood donation: A case report.

Authors:

Ramazan Akdemir (rakdemir@yahoo.com)
Sadik Duran (sadikduran@hotmail.com)
Enver Erbilen (rakdemir@hotmail.com)
Ilker Ozer (ramazanakdemir@yahoo.com)
Sinan Albayrak (rakdemir@ibuduzce-tip.edu.tr)
Hakan Unlu (ramazanakdemir@hotmail.com)

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Reviewer: Dr H Arjomand

Level of interest: A paper of limited interest

Advice on publication: Unable to decide on acceptance or rejection until the authors have responded to the compulsory revisions

The authors report on a 33 years-old patient with a history of smoking and excessive blood donation who presented with acute ST-elevation anterior MI. He was later found to have myocardial bridging on coronary angiography. Although interesting, the statement that severe anemia precipitated acute MI in the presence of myocardial bridging is at best speculative. The following compulsory revisions need to be made:

1. The quality of written English needs to be significantly improved.
2. The electrocardiogram must accompany the report.
3. The Authors need to explain why they withheld reperfusion therapy (pharmacological or mechanical) from the patient since there was no evidence of acute pathological blood loss.
4. The authors need to explain how profound anemia could precipitate acute ST-elevation MI in the presence of myocardial bridging; demand/supply imbalance usually does not lead to acute ST elevation MI.
5. The discussion section of the manuscript should be more constructive.

Competing interests:

None declared.