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ative atrial fibrillation, with great interest. In this study, the groups are well balanced and standardized in many aspects, but there is no data revealing the duration of the on-pump procedures, which is very important and forms a basic variable in coronary artery bypass grafting. On the other hand, one should underline the two major causes of atrial fibrillation as cardiopulmonary bypass and oxidative stress/inflammatory response triggered by cross clamping (2–4). Many cellular and non-cellular elements are activated during cardiopulmonary bypass, particularly the triggering pro-inflammatory mechanisms (5). Thus, we strongly believe that the groups in this study should have been standardized considering the cardiopulmonary bypass and cross-clamp times if the SYNTAX score is a predictor of postoperative atrial fibrillation. We would deeply appreciate if the authors share their opinion or any data related to the matter.

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References

- Geçmen Ç, Güler GB, Erdoğan E, Hatipoğlu S, Güler E, Yılmaz F, et al. SYNTAX score predicts postoperative atrial fibrillation in patients undergoing on-pump isolated coronary artery bypass grafting surgery. Anatol J Cardiol 2015 October 18. Epub ahead of print.
- Qu C, Wang XW, Huang C, Qiu F, Xiang XY, Lu ZQ. High mobility group box 1 gene polymorphism is associated with the risk of postoperative atrial fibrillation after coronary artery bypass surgery. J Cardiothorac Surg 2015 June 25. Epub ahead of print. [Crossref]
- Ascione R, Caputo M, Gomes WJ, Lotto AA, Bryan AJ, Angelini GD, et al. Myocardial injury in hypertrophic hearts of patients undergoing aortic valve surgery using cold or warm blood cardioplegia. Eur J Cardiothorac Surg 2002; 21: 440-6. [Crossref]
- Nesher N, Frolkis I, Vardi M, Sheinberg N, Bakır I, Caselman F, et al. Higher levels of serum cytokines and myocardial tissue markers during on-pump versus off-pump coronary artery bypass surgery. J Card Surg 2006; 21: 395-402. [Crossref]
- Zakkar M, Ascione R, James AF, Angelini GD, Suleiman MS. Inflammation, oxidative stress and postoperative atrial fibrillation in cardiac surgery. Pharmacol Ther 2015; 154: 13-20. [Crossref]

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Author's Reply

To the Editor,

We are pleased with the authors' interest in our article titled "SYNTAX score predicts postoperative atrial fibrillation in

patients undergoing on-pump isolated coronary artery bypass grafting surgery" that is published in Anatolian J Cardiol October 18. Epub ahead of print (1), and we would like to thank them for their contribution. As the authors have mentioned, the prolongation of ischemic time increases the risk of postoperative atrial fibrillation (PoAF). Mathew et al. (2) have reported that the pump and cross-clamp times during coronary bypass surgery predict PoAF. However, the cross-clamp and bypass times were not included in our patient data, and we believe that the patient population was too small to add these variables in the analysis; there would be too many variables for a small group and this fact could disrupt the results. With the inclusion of these data, our hypothesis can be further tested in a bigger patient population.

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References

- Geçmen C, Güler GB, Erdoğan E, Hatipoğlu S, Güler E, Yılmaz F, et al. SYNTAX score predicts postoperative atrial fibrillation in patients undergoing on-pump isolated coronary artery bypass grafting surgery. Anatol J Cardiol 2015 October 18. Epub ahead of print.
- Mathew JP, Fontes ML, Tudor IC, Ramsay J, Duke P, Mazer CD, et al. Investigators of the ischemia research and education foundation; Multicenter Study of Perioperative Ischemia Research Group. A multicenter risk index for atrial fibrillation after cardiac surgery. JAMA 2004; 291: 1720-9. [Crossref]

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Myocardial infarction in an 11-year-old child with systemic lupus erythematosus

To the Editor,

SLE is a chronic autoimmune disease that can affect almost every organ (1). Risk of cardiovascular diseases such as pericarditis, myocarditis, valvular heart disease, and myocardial infarction is increased in SLE, but the latter is observed rarely in childhood. An 11-year-old girl who had been followed-up at our pediatric nephrology clinic for SLE was admitted to our emergency room with chest pain followed by cardiac arrest. We detected 2–3 mm ST elevations in the DII, DIII, aVF, V5, and V6 leads of electrocardiography. Creatine kinase MB fraction (CKMB) was 7.75 ng/mL (range, 0.6–6.3) and troponin I level was 0.88 ng/mL (range, 0–0.04). Transthoracic echocardiography revealed areas of dyskinesia in the left ventricular apical region, paradoxical movement in the interventricular septum, and minimal aortic insufficiency. Coronary angiography revealed total occlusion of the