

# Bleeding Control Strategies In Coronary Artery Bypass Surgery

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Dear Editor;

We read with interest the article entitled “Factors associated with excessive bleeding following elective on-pump coronary artery bypass grafting” by Bastopcu et al (1).

In this retrospective study, the authors focused on preoperative and operative factors affecting excessive bleeding after on-pump coronary artery bypass graft surgery. Some points in the article caught our attention. Inherited bleeding disorders need pre-planning in the preoperative and operative period of cardiac surgery (2). Were the bleeding disorders questioned, while taking the anamnesis of the included patients?

Atrial fibrillation is one of the most common complications after coronary artery bypass surgery (3). Anticoagulant therapy is inevitable in patients with atrial fibrillation. Patients with anticoagulation therapy due to atrial fibrillation or any other cause is not mentioned in the text which may be associated with postoperative bleeding.

And finally, when the current literature is reviewed, it is seen that the use of peroperative tranexamic acid has a reducing effect on bleeding after coronary bypass surgery. (4). In this study, did the authors use tranexamic acid? We congratulate the authors about their manuscript. We look forward to hear the authors’ opinions on these matters.

1. Bastopcu M, Özhan A, Erdoğan SB, Kehlibar T. Factors associated with excessive bleeding following elective on-pump coronary artery bypass grafting. *J Card Surg* . 2021;36(4):1277-1281.
2. Bhave P, McGiffin D, Shaw J, et al. Guide to performing cardiac surgery in patients with hereditary bleeding disorders. *J Card Surg* . 2015;30(1):61-69.
3. Eikelboom R, Sanjanwala R, Le ML, Yamashita MH, Arora RC. Postoperative Atrial Fibrillation After Cardiac Surgery: A Systematic Review and Meta-Analysis. *Ann Thorac Surg* . 2021;111(2):544-554.

4. Boer C, Meesters MI, Milojevic M, et al. Task Force on Patient Blood Management for Adult Cardiac Surgery of the European Association for Cardio-Thoracic Surgery (EACTS) and the European Association of Cardiothoracic Anaesthesiology (EACTA). 2017 EACTS/EACTA Guidelines on patient blood management for adult cardiac surgery. *J Cardiothorac Vasc Anesth* . 2018;32(1):88-120.