

The role of platelet-to-lymphocyte ratio in saphenous vein graft disease

To the Editor,

I read with great interest the article by Kundi et al. (1) entitled "Association between platelet-to-lymphocyte ratio and saphenous vein graft disease in patients with stable angina pectoris," published online in *Anatol J Cardiol* 2015 May 5. In their study, authors reported that there was a significant association of platelet-to-lymphocyte ratio (PLR) with saphenous vein graft dis-

ease (SVGD) and suggested that PLR could be used as a marker of SVGD. I have the following comments and concerns.

Numerous clinical trials showed the relation between PLR and poor cardiovascular outcomes in cardiovascular disease. Because most of the stenosis and occlusion of saphenous vein grafts after the first year is caused by atherosclerosis, is there any difference in the meantime from coronary artery bypass grafting to the last coronary angiogram between the two groups? Also, the patency of bypass grafts on functionally significant lesions is higher than that on nonsignificant lesions (2). Yüksel et al. (3) reported that high PLR appears to be additive to conventional risk factors and commonly used biomarkers in predicting severe atherosclerosis. I was wondering if there was any difference between patients with or without SVGD in terms of severity of coronary artery disease.

Finally, obesity is a chronic inflammatory disease characterized by an increase in the levels of inflammatory cytokines (4). It has been shown that metabolic disorders such as obesity and insulin resistance are related to the progression of coronary atherosclerosis and increased incidence of cardiovascular events such as saphenous vein graft occlusion and acute coronary syndrome (5). Because PLR is a novel biomarker showing inflammation in cardiac and non-cardiac patients, authors should state the body mass index for each group.

In my opinion, the findings from this study could be related to the abovementioned limitations.

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