

# Letter to the Editor

## Mean platelet volume in retinal vein occlusion

Dear Editor,

We have read the article entitled "Mean platelet volume in retinal vein occlusion" with great interest<sup>1</sup>. The authors compared the mean platelet volume (MPV) and platelet count in retinal vein occlusion (RVO) patients with a healthy control group. They concluded that MPV is significantly lower in patients with RVO than the control group. We want to criticize some aspects of the article.

MPV alterations have significant associations with some conditions such as hypertension, hypercholesterolemia, obesity, the use of statins and some antihypertensive drugs, etc<sup>2</sup>. Thus, many factors can influence the MPV. In the study, nine patients in the control group and 28 patients in RVO group were reported to have hypertension. It was shown that hypertension can increase MPV<sup>3</sup>. On the other hand, it has also been revealed that some antihypertensive drugs can decrease MPV<sup>4,5</sup>. However, the authors did not mention whether the included patients had hypercholesterolemia and use antihypertensive medications and statins. Authors mentioned that they had excluded patients who have been using any medication that can affect platelet functions. We wonder whether the use of antihypertensive and statin drugs and hypercholesterolemia status were excluded from the study. If not excluded we ask the authors to take these parameters into the statistical analysis and report whether these conditions have significant effects on the results.

### Conflict of Interest

The Authors declare that they have no conflict of interests. The authors of this study did not receive any financial support for this submission.

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Ü. Yolcu, A. Taş<sup>1</sup>, A. İlhan<sup>2</sup>, F.C. Gündoğan<sup>3</sup>

Ophthalmology Department, Sarikamiş Military Hospital, Kars, Turkey

<sup>1</sup>Ophthalmology Department, Ağrı Military Hospital, Ağrı, Turkey

<sup>2</sup>Ophthalmology Department, Erzurum Military Hospital, Erzurum, Turkey

Ophthalmology Department, Gulhane Military Medical Faculty, Ankara, Turkey