

Enhancing Risk Stratification in Coronary Artery Ectasia: The Synergy of Inflammation and Metabolic Scores

Koroner Arter Ektazisinde Risk Stratifikasyonunu Güçlendirmek: Enflamasyon ve Metabolik Skorların Sinerjisi

To the Editor,

We read with great interest the valuable study by Tunca et al.¹ investigating the role of the Pan-Immune-Inflammation Value (PIV) in the diagnosis of isolated coronary artery ectasia (CAE). The authors' demonstration within an isolated CAE group meticulously selected from a large cohort of over 17,000 patients that PIV possesses superior discriminative power compared to other inflammatory indices is a significant contribution to our understanding of the inflammatory background of the disease's pathophysiology.^{2,3}

The Area Under the Curve (AUC) value of 0.674 determined for PIV in the study highlights the potential of this new biomarker; however, it also suggests that it could be supported by additional parameters to enhance diagnostic precision in clinical practice. In a multifactorial vascular pathology such as CAE, it is recognized that not only the cellular inflammatory response but also the patient's metabolic status impacts the risk profile.

In this context, a recent study by Kilic et al.⁴ reported that the Intermountain Risk Score (IMRS), which includes metabolic markers such as sodium, potassium, glucose, and creatinine in addition to complete blood count parameters, is an effective risk predictor in CAE patients. Evaluating the high inflammatory burden (PIV) identified by Tunca et al.¹ in conjunction with scoring systems like IMRS, which reflect metabolic and biochemical balance, could provide an "immuno-metabolic" perspective, potentially elevating risk stratification to a stronger level.

In future studies, investigating inflammation-focused markers such as PIV in combination with holistic risk scores such as IMRS would likely increase diagnostic accuracy and offer clinicians a broader perspective in determining prognosis for this patient group.

We congratulate the authors on this insightful work.

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LETTER TO THE EDITOR EDİTÖRE MEKTUP

Şahhan Kılıç 

Süha Asal 

Department of Cardiology, Ministry of Health Çorlu State Hospital, Tekirdağ, Türkiye

Corresponding author:

Şahhan Kılıç
✉ drsahhankilic@gmail.com

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