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Letter to the Editor

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A comment on 'The relationship between hepatocellular carcinoma and resolvin D1' by Erdin et al.

İbrahim Ethem Güven

Department of Gastroenterology, Yenimahalle Training and Research Hospital, Ankara, Turkiye

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Corresponding Author: İbrahim Ethem Güven, drethemg@gmail.com

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Dear Editor,

We read the article entitled "The relationship between hepatocellular carcinoma and resolvin D1" by Erdin et al.[1] with great interest. First of all, we congratulate the authors and editorial board for this informative and interesting article.

In this study, they reported that resolvin D1 levels were significantly different between the control and cirrhosis group, and between the control and HCC group. Resolvin D1 levels were also found to be higher in the control group and lowest in the HCC group. In addition, a negative correlation was demonstrated between the resolvin D1 and AFP levels. Notably, resolvin D1 levels were negatively correlated with tumor stage.

In recent years, the effect of resolvin D1 on the anti-inflammatory process has been of interest. It has been demonstrated that resolvin D1 can play a significant role in the inhibition of tumor proliferation, metastasis, and epithelial-mesenchymal transition.[2] The underlying mechanism is thought to be a decrease in leukocyte infiltration, increased release of anti-inflammatory cytokines, and induction of leukocyte apoptosis.[3] In this concept, the low level of resolvin D1 in the HCC group shown in this study is promising for HCC screening in combination with AFP in cirrhotic patients. However, we believe that the sample size is relatively small for the evaluation of the association of resolvin D1 with tumor stage. Thus, a prospective study with larger sample size could provide more definitive data.

Overall, this study by Erdin et al.[1] demonstrated that resolvin D1 may be a useful biomarker for predicting the HCC as an alternative to AFP. Further studies are warranted on this topic.

ETHICAL DECLARATIONS

Referee Evaluation Process

Externally peer-reviewed.

Conflict of Interest Statement

The author have no conflicts of interest to declare.

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Author Contributions

The author made the design, execution, and analysis of the paper, and that they have approved the final version.

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