

THE RELATIONSHIP BETWEEN LOCALIZATION AND NEUTROPHIL LYMPHOCYTES RATE (NLR) IN COLORECTAL CARCINOMA

Sema Türker (S.B.Ü Dışkapı Yıldırım Beyazıt Eğitim Araştırma Hastanesi, Tıbbi Onkoloji)
 Cengiz Karaçin (S.B.Ü Dışkapı Yıldırım Beyazıt Eğitim Araştırma Hastanesi, Tıbbi Onkoloji)
 Gökşen İnanç İmamoğlu (S.B.Ü Dışkapı Yıldırım Beyazıt Eğitim Araştırma Hastanesi, Tıbbi Onkoloji)
 Tülay Eren (S.B.Ü Dışkapı Yıldırım Beyazıt Eğitim Araştırma Hastanesi, Tıbbi Onkoloji)
 Ramazan Esen (S.B.Ü Dışkapı Yıldırım Beyazıt Eğitim Araştırma Hastanesi, Tıbbi Onkoloji)
 Ebru Çılbr (S.B.Ü Dışkapı Yıldırım Beyazıt Eğitim Araştırma Hastanesi, Tıbbi Onkoloji)
 Mustafa Altınbaş (S.B.Ü Dışkapı Yıldırım Beyazıt Eğitim Araştırma Hastanesi, Tıbbi Onkoloji)
 Doğan Yazılıtaş (S.B.Ü Dışkapı Yıldırım Beyazıt Eğitim Araştırma Hastanesi, Tıbbi Onkoloji)

Introduction - Purpose : We aimed to compare the NLR, which is a simple method, to determine whether the differences between the right colon and the left colon tumors in our study are related to the inflammatory process between the two regions.

Methods - Tools : We retrospectively reviewed the files of patients with colorectal cancer who were admitted to Dışkapı Yıldırım Beyazıt Hospital during July 2011-June 2015 period. Patients with diabetes, coronary artery disease, rheumatic disease were excluded. NLR of the first hemogram sample after diagnosis, tumor localization were screened for the age, sex, and stage of 142 patients. It was analyzed whether there was a correlation between patient's tumor location and NLR.

Findings : Patients were divided into right and left colon based on splenic flexure. There were 35patients defined as right colon and 107 patients defined as left colon. 85 of the patients were male and 57 were female. Patients with stage 1-3 colorectal cancer were separated as right-left colon and the NLR at diagnosis was compared. Because preop NLR data were not normally distributed, statistical analysis was performed using non-parametric methods. It was found that the NLR ranking averages of right and left column were 79 and 69, respectively. There was no statistically significant difference in NLR between right and left colon.

Discussion : In our study, we could not find any relation between the NLR and the localization of the disease in patients with early stage colorectal cancer.

Keywords: Right-Left Colon, Colorectal Cancer, NLR, neutrophil lymphocytes rate

Table 1: Comparison of right and left colon in terms of preop NLR

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