

Investigation of *SP1* and *SP3* Expressions in Colorectal Cancer Carcinogenesis

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ABSTRACT The study aimed to determine the expressions of *SP1* and *SP3* and the clinical-pathological characteristics of patients, and the correlation between the expressions of *Specificity Protein 1 (SP1)* and *Specificity Protein 3 (SP3)* in colorectal cancer (CRC). In this study, tumour and adjacent non-tumour tissue samples were obtained from 41 individuals with CRC. *SP1* and *SP3* expressions were performed using Quantitative Real-Time Polymerase Chain Reaction (RT-qPCR). According to the results of our study, there was no statistically significant difference in *SP1* and *SP3* expression levels between tumour tissues and non-tumour tissues ($p>0.05$), as well as no association with clinical-pathological features of patients. In addition, a high positive correlation was found between the expressions of *SP1* and *SP3* genes in CRC ($p=0.01$). Consequently, it can be said that there is a correlation between *SP1* and *SP3* expressions, but *SP1* and *SP3* expressions are not related to CRC carcinogenesis.