

Investigation of Toll-like Receptor (TLR)-7 Gene Polymorphisms in Patients with Behçet Uveitis

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ABSTRACT This candidate gene study was conducted to analyze the association between the toll-like receptor 7 (*TLR7*) gene polymorphisms and the pathogenesis of Behçet uveitis in Turkish patients. This study included 198 participants (89 patients and 109 controls). DNA was isolated from peripheral blood. The *TLR7* gene rs179009 and rs179008 polymorphisms were determined by polymerase chain reaction and Sanger DNA sequencing method (ABI 3730). As a results of this study, no statistically significant difference was detected between the patients and controls ($p>0.05$). This study's findings suggest that *TLR7* gene rs179009 and rs179008 polymorphisms are not associated with Behçet uveitis in Turkish population. To the researchers' knowledge, this is the first study in Turkey to examine *TLR7* gene polymorphisms in patients with Behçet uveitis. Further studies with larger study groups are needed to confirm these results.