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External Root Resorption (EARR) and Interleukin-1β (rs1143634) Gene Polymorphism in the Bataknese Population: A Pilot Study

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Abstract

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Abstract

External apical root resorption (EARR) is a condition that frequently arises after orthodontic treatment. Interleukin 1 (IL-1) is the gene responsible for the initiation of bone resorption and activating the osteoclasts, and is responsible for the potential of root resorption development. This study investigated the presence of a single nucleotide polymorphism (rs1143634) in IL-1β gene and its relationship with

root resorption in 20 individuals of Bataknese background. Panoramic radiographs of all patients were taken before and after orthodontic treatment. Subjects were classified as either EARR ≥2mm or EARR [removed]

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