

Abstract

At the present study, COX-2 gene expression in patients with esophageal cancer was investigated by real time PCR and Pffafle method. All PCR reactions were performed in triplicate for both target gene and internal control. Differences in target gene expression levels in patients and controls were evaluated with t-test, in which $p \leq 0.05$ was considered to be significant. The results demonstrated a significant increase in the COX-2 expression level in cancer patients compared with control group ($p < 0.05$).

Key words: Real time PCR, cyclo-oxygenase.



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**Andvprvksyd prostaglandin synthetase 2 (COX-2) gene expression
in esophageal cancer**

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