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Promoter region polymorphisms in *IL-6* and *IL-10* genes can lead to pathogenesis of breast cancer

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This study investigated polymorphisms in the promoter regions of *IL-6* (-174 G>C) and *IL-10* (-1082 G>A) genes through a case-control study. Features like the expression of estrogen and progesterone receptors, involvement of the lymph node, tumor morphology and tumor grades were observed, for the patient group. For the *IL-6*-174G>C polymorphism, there was significantly higher frequency of C/C genotype in the patients. Further, the C/C genotype was significantly more prevalent among the patients who had lymph node involvement. For the *IL-10*-1082G>A polymorphism, there was no difference in the distribution of genotypes among the patients and control subjects.

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