

RsaI polymorphism of the *ERβ* gene in women with endometriosis

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ABSTRACT. We examined the frequency of *RsaI* polymorphism of the *ERβ* gene in 54 patients diagnosed with endometriosis and 46 controls. Peripheral blood was collected from women undergoing laparoscopy with a confirmed diagnosis of endometriosis. Polymorphisms of the *ERβ* gene and *p53* were assessed by PCR and analyzed on 2% agarose gel stained with ethidium bromide. The AG polymorphism genotype frequency in patients with endometriosis was 59.3%, with 40.7% GG. In the control group, the frequency of AG was 6.5%, with 93.5% GG. The frequency of heterozygous AG was nine times higher in patients with endometriosis than in the control group ($P < 0.0001$).

Key words: Endometriosis; Polymorphism and Infertility; Estrogen receptor