Cytokines and endometriosis: new diagnostic possibilities

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Endometriosis is a widespread gynecological disease that often causes infertility. Today the only reliable diagnostic tool is laparoscopy, which is performed at the severe stages of the disease. It is well known that endometriosis is accompanied by multiple immunological disorders, and many studies propose to use immunological markers in the diagnostics of the disease. A list of cytokines and growth factors are among the most perspective biomarkers. Measurement of their concentrations could help to diagnose endometriosis without performing laparoscopy, even on minimal/mild stages of the disease, and to monitor the effects of treatment. This review is focused on the analyses of the latest investigations. Here we describe the most reliable biomarkers of endometriosis, which can comprise a modern diagnostic panel.

Key words: endometriosis, biomarkers, cytokines, growth factors.