

IMPORTANCE OF CA 125 IN DIAGNOSIS OF ENDOMETRIOSIS

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***Abstract:** Discovery and validation of noninvasive diagnostic markers for endometriosis is next step in research of this progressive disease. The aim of this study was to determine whether the carbohydrate antigen 125 (CA 125) is a tumor marker of importance for the diagnosis, prognosis and monitoring of endometriosis. Patients were divided into two groups, patients with confirmed diagnosis of endometriosis after laparoscopic surgery and control group patients without endometriosis. Results revealed a significant difference between the concentrations of CA 125 in the control and investigated group ($p < 0.001$). Performances of CA 125 as a diagnostic marker for endometriosis are: 83.3% sensitivity; specificity of 90.0%. Our results confirm that serum level of CA125 is still the most useful marker for diagnosis of endometriosis.*

Keywords: endometriosis, CA125, biomarker