THE LEVEL OF CA 125 ANTIGEN IN SERUM FROM WOMEN WITH UTERINE MYOMA

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Objective: *The literature data on the prognostic role of blood CA 125 concentration in the patients with uterine myoma are rather different.*
Methods: *CA 125 concentration was determined in serum samples from cubital vena and uterine vena respectively from 50 and 28 patients with uterine myoma. In the range of 0-1000 units, all assays tested correlated well with clinical findings (range of correlation coefficients 0.05 − 0.3)*
Results: *The CA 125 concentrations were increased in all uterine vena serum samples and were increased only in 17% of cubital serum samples.*
Conclusion: *We conclude that the increase of CA-125 serum level was associated with myoma necrosis, endometrial hyperplasia, intrauterine contraception usage for a long period. Moreover the increase of CA 125 serum is an additional diagnostic test for determination of the type and time of operation.*

INDICES OF THE NATURAI KIIIER CEIIS CYTOTOXIC ACTIVITI AND INTERFERON VALUES IN PATIENTS WITH UTERINE MIOMA

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Objective: *The state of the system of immunological is of great importance for pathogenesis of uterine myoma as of any process of tumors growth.*
Methods: *56 patients were examined to study their clinical and laboratory data, total serum interferon, the ability of peripheral blood leukocytes to synthesize a/b and g-interferon, cytotoxic activity of natural killer cells.*
Results: *the cytotoxic activity of natural killer was low in 27% of women, and all of them had either fast growth of the uterine myoma (with nodes more than 5 cm in diameter) or myoma recurrence after myomectomy. High positive correlation was found between the patients age and the ability of peripheral blood leukocytes to produce g-interferon (correlation coefficient = 0,44), between the size of a myomatic node and indices of the functional activity of natural killers (c.c.=0,35), between the ability of peripheral blood leukocytes to produce a/b-interferon and functional activity of natural killer cells (c.c. = 0,32)*
Conclusion: *So, the growth of uterine myoma can be predicted indirectly by the showings of cytotoxic activity of natural killer cells and by the ability of peripheral blood leukocytes to produce g-interferon.*