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### **Clinical cytology in surgery: Ovarian lesions**

There were almost 541000 new carcinoma cases in Russia in 2017 and 40% of them detected in III-IV stage. The percentage of new ovarian cancers among women population in Russia in 2017 was 4.3%. Ovarian neoplastic changes can be problematic from the point of view of early detection, accurate morphological, biochemical and molecular data. The aim of the study was to analyze the possibilities of ROSE (rapid on-site sample evaluation) during surgery in Filatov Clinical Hospital №15 (Moscow). 377 consecutive cases were included to the study. Imprints from ovarian tumors were made during surgery, MGG staining was used. Only 5 of tumors were malignant, 372 were benign: Serous adenomas, teratomas, endometrioid and luteal cysts. Rapid cytological diagnosis was very useful for morphological verification of benign and malignant lesions, assessment of the rate of spreading (dissemination) of malignant tumor. The possibility to compare cytological data with surgical findings, consultation in difficult cases and creation of individual algorithms for correct diagnosis and treatment has the limitless diagnostic opportunities: Correction of surgical plan, decision for taking more adequate material for cytology and histology, etc. Scanned slides and microphotographs can be useful for final decision, consultations, quality control and teaching as well.

### **Speaker Biography**

Irina P Shabalova, MD, PhD., ScD., March 10, 1950 cytopathologist in Russian Medical Academy of continuous professional education (Moscow) and past president of Russian Association of Clinical Cytologists. 1975-medical doctor on clinical laboratory diagnostics, out-patient clinic 38. 1981-Junior researcher, department of clinical cytology, n.a. Herzens' Moscow Cancer Research Institute, Russia. 1988-associate professor, department of clinical laboratory diagnostics, central institute of postgraduated education, Moscow, Russia. 1994- senior researcher, department of clinical cytology, n.n. Blokhin cancer research centre, Moscow, Russia. 1997- associate professor, department of clinical laboratory diagnostics, Russian Medical Academy of postgraduated education, Moscow, Russia. 2003- professor, department of clinical laboratory diagnostics, Russian Medical Academy of postgraduated education, Moscow, Russia. Member of russian scientific society of laboratory medicine (RSSLM), International academy of cytology, advisory editorial board "cytopathology" (gb), editorial board "laboratory" (Russia), editorial board "clinical laboratory diagnostics" and editorial board "acta cytology".

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