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(57) Abstract :

The discovery of alterations resembling those found in the most prevalent neoplasms that give rise to these lesions serves as the foundation for an ovarian cyst diagnostic test. Using this assay, tumor-specific mutations were found in the cyst fluids of 28 of 31 (90%) malignant ovarian cancers and 19 of 24 (79%) borderline tumours. In contrast, we found no alterations in the cyst fluids of 12 benign tumours and 10 non-neoplastic cysts. This test's sensitivity was 85% and specificity was 100% when categorising by the requirement for exploratory surgery (i.e., the existence of a borderline tumour or malignant malignancy). These examinations could help in the detection of ovarian cysts and enhance the therapeutic care of the many women who have these lesions.

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