

Pt. Name:	نور حسن احمد الملحاني		Lab Number:	3541-2026	
Pt. Age:	70 years.	Gender:	Female	Received date:	2026-05-20
Referred By:	أ.د/ علي عبد الله الأشول		Reported date:	2026-06-02	

PATHOLOGY REPORT

Clinical Information.	Referred block for immunostaining of omentum lesion, suspected ovarian carcinomatosis related to primary ovarian cancer.
Nature of specimen.	Immunohistochemistry

GROSS:

One referred paraffin block.

MICROSCOPIC:

Sections examined show scanty omental fibroadipose tissue infiltrated by malignant epithelial tumor arranged in irregular glandular structures and nests. The tumor is moderately differentiated, showing desmoplastic stromal reaction. Immunostaining was done with appropriate positive and negative controls and revealed: retained nuclear expression of MLH1, PMS2, MSH2, and MSH6 in tumor cells.

DIAGNOSIS:

Omentum, lesion, biopsy (referred block):

- Scanty material, Consistent with metastatic moderately differentiated adenocarcinoma.
- Retained nuclear expression of MLH1, PMS2, MSH2, and MSH6.
- No evidence of mismatch repair protein loss identified.
- Findings are consistent with microsatellite stable status.

Comment:

The retained expression of all mismatch repair proteins indicates an intact mismatch repair system and does not support microsatellite instability.

Pathologist

Prof. Dr. Neveen Tahoun, MD, PhD
02-06-2026

Nerveen Tahoun