

Pt. Name:	زيمونة حسن أحمد فرج		Lab Number:	3001-2026	
Pt. Age:	51 years.	Gender:	Female	Received date:	2026-05-05
Referred By:	أ.د/ علي عبد الله الأشول		Reported date:	2026-05-09	

PATHOLOGY REPORT

Clinical Information.	Immunostaining of endoscopic biopsy from colonic mass.
Nature of specimen.	Immunohistochemistry.

GROSS:

Section stained for CK20, CDX2, SATB2, PAX8, MLH1, PMS2, MSH2, and MSH6.

MICROSCOPIC:

- Tumor is diffuse positive for CK20, CDX2, SATB2 while negative for PAX8
- Immunohistochemical staining shows diffuse and strong nuclear expression of MLH1, PMS2, MSH2, and MSH6 in tumor cells, with preserved staining in internal controls (lymphocytes and stromal cells).
- This pattern is consistent with **proficient MMR status (pMMR)**; microsatellite-unstable (MSI-H) phenotype is unlikely, and Lynch syndrome is less likely, although not excluded.”

DIAGNOSIS:

Colonic mass, endoscopic biopsy, immunostainings:

- Adenocarcinoma, grade 2 of colonic primary origin.
- Proficient MMR status (pMMR).

Pathologist

Prof. Dr. Neveen Tahoun, MD, PhD
09-05-2026

Nerveen Tahoun