

Pt. Name:	عبده علي محمد الساكت	Lab Number:	3225-2026
Pt. Age:	60 years.	Gender:	Male
Received date:		Reported date:	2026-05-19
Referred By:	أ.د/ أنيس الجبري		

### PATHOLOGY REPORT

Clinical Information.	Advanced rectal cancer with invasion to prostate status post chemo radiotherapy.
Nature of specimen.	Abdominoperineal Resection (APR) with En Bloc Partial Prostatectomy

#### GROSS:

Two specimens were received.

- The first specimen, labeled as recto sigmoid with amputated anus, consisted of a segment of sigmoid colon measuring 23 x 3 x 2 cm associated with attached mesenteric fat measuring 7 x 2 cm. Opening revealed a rubbery solid grey-white mass measuring 3.5 x 2.8 x 2.3 cm, located 2 cm and 17 cm from proximal and distal margins respectively. Mesenteric fat showed three nodules largest measuring 0.3. Also received separate appendix measuring 3 x 0.7 cm with attached fat.
- The second specimen, labeled as prostatic pieces: four additional pieces of soft tissue. The aggregate dimensions of the soft tissue pieces measured 5 x 3 x 1.5 cm, with the largest single piece measuring 2.5 x 2 x 1.5 cm.

#### MICROSCOPIC:

##### Specimen

- Procedure: Abdominoperineal resection (APR) with en bloc partial prostatectomy, Appendectomy.
- Specimen integrity: Intact

##### Tumor

- Tumor site: Rectum / rectosigmoid colon
- Histologic type: Adenocarcinoma
- Histologic grade: Grade 2 (moderately differentiated)
- Tumor cellularity: 70%
- Tumor extension: Tumor penetrates the visceral peritoneum and directly infiltrates into the adjacent prostate gland

##### Margins

- Proximal margin: Negative for invasive carcinoma
- Distal margin: Negative for invasive carcinoma
- Circumferential resection margin (CRM) / radial margin: Negative for invasive carcinoma
- Prostatic resection margin: Negative for invasive carcinoma

##### Lymphovascular and Perineural Invasion

- Lymphovascular invasion (LVI): Present
- Perineural invasion (PNI): Present

##### Tumor Budding

- Budding score: Intermediate

## Regional Lymph Nodes

- Total number of lymph nodes examined: 3
- Number of lymph nodes involved: 0 (0 of 3 lymph nodes positive)

## Appendix:

- Free of tumor

## Pathologic Staging (AJCC Cancer Staging, 8th Edition)

- Primary tumor (ypT): ypT4b (tumor directly invades the prostate)
- Regional lymph nodes (ypN): ypN0 (no regional lymph node metastasis identified)

## Therapy Effect (Modified Ryan Tumor Regression Score)

- Tumor Regression Grade (TRG): TRG 2 — Partial response
- Interpretation: Residual adenocarcinoma is present with evident treatment-related changes, including areas of fibrosis consistent with response to neoadjuvant chemoradiotherapy. However, substantial viable tumor remains with persistent invasion into the prostate gland.

## DIAGNOSIS:

### RECTOSIGMOID COLON, ANUS, AND PROSTATE (ABDOMINOPERINEAL RESECTION WITH EN BLOC PARTIAL PROSTATECTOMY):

- Adenocarcinoma, Grade 2 (moderately differentiated)
- Tumor directly infiltrates the prostate gland
- Status post neoadjuvant chemoradiotherapy
- Modified Ryan Tumor Regression Score (TRG): 2 — Partial response

## Pathologist

Prof. Dr. Neveen Tahoun, MD, PhD  
19-05-2026

*Nerveen Tahoun*