

Pathology Report and Specimens for Procedure PROC-45977



ID, Proc, Patient, Barcode	Type	Donor Type	A/S/R	Weight	Prep	Primary	Metastaic	Stage	Grade	Percentages	Procurement Year
WD-105522 PROC-45977 PAT-45045 C66721	MALIGNANT COLON CARCINOMA \ ADENOCARCINOMA		57/F/W	0.46 grams	Frozen, LN2 - vapor phase	COLON		Stage IIA	G3 Poorly differentiated	0% Necrosis, 50% Lesion, 50% Stroma, 50% Tumor By Area, 50% Cellularity, 0% Acellular Mucin	2015
PET: 0.5 PPET: GPET:	In Surg Path: Organ Removal: Complete Prep:			Cold Ischemia: Warm Ischemia: Trans on Ice: Unknown				Fix Time: PMI Time: Clamp Time:			
Comments:											
Consent Status: Collected from consented donor.											

Final Pathology Report entered by CHTN Staff member brookse.

A/S/R: 57/F/W

Chemo: No

Rad: No

BMI: 34.5

Height: 167.64 cm

Weight: 96.9 kg

Co-Morbidities: HTN, Obesity, GERD

Prior Cancer History:

Molecular Testing Results:

MSI test result: Not Detected (biopsy result)

KRAS: KRAS G12A and TP53 R248W mutations were detected

FINAL PATHOLOGY REPORT

Diagnosis

1) COLON, TOTAL ABDOMINAL COLECTOMY:
COLONIC ADENOCARCINOMA (SEE SYNOPTIC REPORT);
MULTIPLE TUBULAR/TUBULOVILLOUS ADENOMAS, NEGATIVE FOR HIGH-GRADE DYSPLASIA;
ADENOMATOUS LESION OF APPENDIX (SEE COMMENT).

2) COLON, DISTAL DONUT, EXCISION:
SHORT SEGMENT OF COLON, NEGATIVE FOR DYSPLASIA OR MALIGNANCY.

Comments

Additional sections of the appendix have been submitted. Results will be reported in an addendum.

Addendum Findings

The remainder of the appendix is submitted for histopathologic examination.
No additional adenomatous elements are identified.

Case reviewed by Attending Pathologist

Synoptic Diagnosis

1) TOTAL ABDOMINAL COLECTOMY:

Specimen: Terminal ileum

Cecum

Appendix

Ascending colon

Transverse colon

Descending colon

Sigmoid colon

Rectum

Procedure: Total abdominal colectomy

Primary Tumor Site: Sigmoid colon
 Additional Sites Involved by Tumor: None identified
 Macroscopic Tumor Perforation: Not identified
 Macroscopic Intactness of Mesorectum: Not applicable
 Histologic Type: Adenocarcinoma
 Histologic Grade: High-grade
 Tumor Size: Greatest dimension: 5 cm
 Microscopic Tumor Extension: Tumor invades through the muscularis propria into the subserosal adipose tissue or the nonperitonealized pericolic or perirectal soft tissues but does not extend to the serosal surface
 Margins: All margins uninvolved by invasive carcinoma
 Distance of invasive carcinoma from closest margin: 6.5 cm
 Margin: Circumferential (Radial) or Mesenteric
 Proximal Margin: Uninvolved by invasive carcinoma
 Distal Margin: Uninvolved by invasive carcinoma
 Circumferential or Mesenteric Margin: Uninvolved by invasive carcinoma
 Lymph-Vascular Invasion: Not identified
 Perineural Invasion: Not identified
 Tumor Deposits: Not identified
 Type of Polyp in which Invasive Carcinoma Arose: Tubulovillous adenoma
 Pathologic Staging (pTNM): pT3: Tumor invades through the muscularis propria into pericolorectal tissues
 Regional Lymph Nodes (pN): pN0: No regional lymph node metastasis
 Number of nodes examined: 20
 Number of nodes involved: 0
 Distant Metastasis (pM): Not applicable
 Additional Pathologic Findings: Adenoma(s)
 Ancillary Studies: Microsatellite instability not performed: performed on prior biopsy specimen (----)

Clinical Data

Clinical Features: Unspecified
 Clinical Diagnosis: Unspecified
 Operator: ----
 Operation: Laparoscopic colectomy
 Operative Findings: Unspecified
 Operative Diagnosis: Unspecified
 Tissue Submitted: 1) total abdominal colectomy; 2) distal donut
 Instructions to Pathologist: Sigmoid colon cancer and polyposis, please evaluate lymph nodes

Specimen(s) Received

- 1) TOTAL ABDOMINAL COLECTOMY
- 2) DISTAL DONUT

Gross Description

1) TOTAL ABDOMINAL COLECTOMY:

Received fresh labeled "---- and total abdominal colectomy" consists of a total abdominal colectomy. A segment of terminal ileum is identified, measuring 4 cm in length. The proximal margin has a metallic staple line and measures, 3.5 cm in diameter. The mucosal surface of the small bowel is tan with prominent transverse folds. The colon measures, 110 cm in length. The distal margin has a metallic staple line and measures, 4 cm in diameter. A redtan, crater-like, tumor mass with heaped up borders is identified, measuring, 5 x 4 cm. The mass has tan cut surfaces and abuts the serosa. The tumor is located 6.5 cm away from the radial margin. The tumor is located 9 cm from the distal margin and 100 cm from proximal margin. The tumor involves 80% of the circumference of the mucosal surface. Further examination of the mucosal surface of the colon reveals numerous sessile and pedunculated polyps which vary from 0.3 cm to 1.0 x 0.7 x 0.5 cm. The polyps are located randomly from the mid to distal aspect of the colon. A grossly unremarkable vermiform appendix is identified, measuring 10 cm in length and 0.5 cm in diameter. The remainder of the colon has tan prominent folds on the mucosal surface. An occasional diverticulum is identified. No perforated or rupture diverticula are grossly identified. A moderate amount of attached pericolic fat is identified. Tumor and normal tissue is given for research studies. Representative sections are submitted.

Summary of Sections:

- 1A, proximal margin, 1/1;
- 1B, distal margin, 1/1;
- 1C, vermiform appendix (cross section and perpendicular section from tip), 2/1;
- 1D, radial margin, 1/1;
- 1E1H, tumor, 1/1;
- 1I, tumor and diverticulum, 1/1;
- 1J1L, 4 polyps in each, 4/1;
- 1M1Q, 1 polyp in each bisected, 2/1;
- 1R1S, possible lymph nodes in area of mass, 3/1;

1T-1U, 4 possible lymph nodes from area of mass, 4/1;
1V, 2 possible lymph nodes from cecum, 2/1;
1W1X, 1 possible lymph node each from cecum, bisected, 2/1;
Lymph nodes between cecum and mass:
1Y, one possible lymph node, 3/1;
1Z-1AB, one possible lymph node each bisected, 2/1

2) DISTAL DONUT:

Received fresh labeled "----- and distal donut" consists of donut shaped segment of colon, measuring 0.6 cm in length and 1.2 cm in diameter. Metallic sutures are identified. The mucosa is tan and grossly unremarkable. A representative section is submitted labeled 2A, 2/1

Chemo history: No
Radiation history: No
