

## Colon and Rectum Resection

Specimen #: \_\_\_\_\_

Part: \_\_\_\_\_

Patient: \_\_\_\_\_

Initials/Date: \_\_\_\_\_

### Previous patient cases reviewed

- A1 Case 1: \_\_\_\_\_
- A2 Case 2: \_\_\_\_\_
- A3 Case 3: \_\_\_\_\_
- A4 Case 4: \_\_\_\_\_
- A5 Case 5: \_\_\_\_\_
- A6 Other (specify): \_\_\_\_\_

### Specimen(s) included in case

- B1 Terminal ileum
- B2 Cecum
- B3 Appendix
- B4 Ascending colon
- B5 Hepatic flexure
- B6 Transverse colon
- B7 Splenic flexure
- B8 Descending colon
- B9 Sigmoid colon
- B10 Rectosigmoid colon
- B11 Rectum
- B12 Anus
- B13 Other (specify): \_\_\_\_\_
- B14 Not specified

### Procedure used to obtain specimen

- C1 Right hemicolectomy

- C2 Transverse colectomy
- C3 Left hemicolectomy
- C4 Sigmoidectomy
- C5 Rectal/rectosigmoid colon (low anterior resection)
- C6 Total abdominal colectomy
- C7 Abdominoperineal resection
- C8 Transanal disk excision of rectum
- C9 Endoscopic mucosal resection
- C10 Not specified
- C11 Other (specify): \_\_\_\_\_

### Site of excised tumor

- D1 Cecum
- D2 Right (ascending) colon
- D3 Hepatic flexure
- D4 Transverse colon
- D5 Splenic flexure
- D6 Left (descending) colon
- D7 Sigmoid colon
- D8 Rectosigmoid colon
- D9 Rectum
- D10 Ileocecal valve
- D11 Colon, not otherwise specified
- D12 Not specified
- D13 Other (specify): \_\_\_\_\_

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**Tumor location relative to peritoneal reflection**

- E1 Tumor is located above peritoneal reflection
- E2 Tumor is located below the peritoneal reflection
- E3 Tumor is located above and below peritoneal reflection
- E4 Not specified
- E5 Other (specify): \_\_\_\_\_

K1 (cm): \_\_\_\_\_

**Macroscopic perforation of colon by tumor**

- L1 Present
- L2 Not identified
- L3 Cannot be determined

**Gross mesorectum intactness**

- F1 Not applicable
- F2 Complete
- F3 Near complete
- F4 Incomplete
- F5 Can not be determined
- F6 Other (specify): \_\_\_\_\_

- M1 Adenocarcinoma
- M2 Mucinous adenocarcinoma (greater than 50% mucinous)
- M3 Mucinous adenocarcinoma (less than 50% mucinous)
- M4 Medullary carcinoma
- M5 Signet-ring cell carcinoma (greater than 50% signet-ring cells)
- M6 High-grade neuroendocrine carcinoma
- M7 Signet-ring cell carcinoma (less than 50% signet-ring cells)
- M8 Large cell neuroendocrine carcinoma
- M9 Small cell neuroendocrine carcinoma
- M10 Small cell carcinoma
- M11 Squamous cell carcinoma
- M12 Adenosquamous carcinoma
- M13 Undifferentiated carcinoma
- M14 Other (specify): \_\_\_\_\_
- M15 Carcinoma, type cannot be determined

**Length of surgical specimen excised (cm)**

G1 (cm): \_\_\_\_\_

**Greatest dimension of excised neoplasm (cm)**

H1 (cm): \_\_\_\_\_

**Second dimension of excised neoplasm (cm)**

J1 (cm): \_\_\_\_\_

**Smallest dimension of excised neoplasm (cm)**

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**Mucinous histologic fraction of excised colon neoplasia**  
 N1 (%) \_\_\_\_\_

**Percent of adenocarcinoma containing signet rings cells**  
 P1 (%) \_\_\_\_\_

**Histologic grade of neoplasm**  
 Q1 Not applicable  
 Q2 Cannot be determined  
 Q3 Low-grade (well to moderately differentiated)  
 Q4 High-grade (poorly differentiated to undifferentiated)  
 Q5 Other (specify): \_\_\_\_\_

**Direct extension of tumor**  
 R1 Carcinoma in situ, intraepithelial  
 R2 Carcinoma in situ, invasion of lamina propria  
 R3 Cannot be assessed  
 R4 No evidence of primary tumor  
 R5 Tumor invades submucosa  
 R6 Tumor invades muscularis propria

R7 Tumor invades through the muscularis propria into the subserosal adipose tissue or the nonperitonealized

pericolonic or perirectal soft tissues but does not extend to the serosal surface

R8 Tumor penetrates to the surface of the visceral peritoneum (serosa)

**Tumor directly invades adjacent structures but not through serosa**  
 S1 List: \_\_\_\_\_

**Tumor directly invades adjacent structures through serosa**  
 T1 List: \_\_\_\_\_

**Tumor adheres to adjacent structures**  
 U1 List: \_\_\_\_\_

**Multiple tumor status**  
 V1 m (multiple primary tumors)

**Recurrent tumor status**  
 W1 r (recurrent)

**Post-treatment/therapy tumor status**  
 X1 y (post-treatment)

**Primary Tumor (pT) Category**  
 Y1 pTX: Cannot be assessed  
 Y2 pT0: No evidence of primary tumor

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- Y3 pTis: Carcinoma in situ, intraepithelial (no invasion of lamina propria)
- Y4 pTis: Carcinoma in situ, invasion of lamina propria/muscularis mucosa
- Y5 pT1: Tumor invades submucosa
- Y6 pT2: Tumor invades muscularis propria
- Y7 pT3: Tumor invades through the muscularis propria into the subserosa or the nonperitonealized pericolic or perirectal soft tissues
- Y8 pT4a: Tumor penetrates the serosa
- Y9 pT4b: Tumor directly invades other organs

**Status of tumor budding in carcinoma**

- Z1 High (>10 per HPF)
- Z2 Low (<=10 per HPF)

**Number of tumor buds per HPF (Average per 10 HPF)**

AA1 Average # per HPF: \_\_\_\_\_

**Number of lymph nodes microscopically examined**

AB1 \_\_\_\_\_

**Number of lymph nodes involved by carcinoma in surgery**

AC1 \_\_\_\_\_

**Tumor Deposits**

- AD1 Absent
- AD2 Present
- AD3 Indeterminate

**Regional Lymph Node involvement**

- AE1 pNX: Cannot be assessed
- AE2 pN0: No regional lymph node metastasis
- AE3 pN1a: Metastasis in 1 regional lymph node
- AE4 pN1b: Metastasis in 2 to 3 regional lymph nodes
- AE5 pN1c: Tumor deposit(s) in the subserosa, or non-peritonealized pericolic or perirectal tissues without regional lymph node metastasis
- AE6 pN2a: Metastasis in 4 to 6 regional lymph nodes
- AE7 pN2b: Metastasis in 7 or more regional lymph nodes

**Distant Metastasis**

- AF1 pMX: Cannot be assessed
- AF2 Specify site(s): \_\_\_\_\_
- AF3 pM1a: Metastasis to single organ or site (eg, liver, lung, ovary, nonregional lymph node)
- AF4 pM1b: Metastasis to more than one organ/sites
- AF5 Other (specify): \_\_\_\_\_

**Lymphatic (Small Vessel) Invasion (L)**

- AG1 Absent

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AG2 Present  
AG3 Indeterminate

### Intramural vascular (Lg vessel) invasion

AH1 Present  
AH2 Absent  
AH3 Indeterminate

### Extramural vascular (Lg vessel) invasion

AJ1 Present  
AJ2 Absent  
AJ3 Indeterminate

### Mismatch repair by IHC

AK1 Yes  
AK2 No

### MLH1 Analysis

AL1 Intact nuclear expression  
AL2 Loss of nuclear expression  
AL3 Indeterminate

### MSH2 Analysis

AM1 Intact nuclear expression  
AM2 Loss of nuclear expression  
AM3 Indeterminate

### MSH6 Analysis

AN1 Intact nuclear expression  
AN2 Loss of nuclear expression  
AN3 Indeterminate

### PMS2 Analysis

AP1 Intact nuclear expression  
AP2 Loss of nuclear expression  
AP3 Indeterminate

Insert IHC Interp

### Status of Intratumoral Lymphocytic Response

AR1 None  
AR2 Mild to moderate (0-2 per HPF)  
AR3 Marked (3 or more per HPF)

### Status of Perineural Invasion in excised neoplasm

AS1 None  
AS2 Mild to moderate (0-2 per HPF)  
AS3 Marked (3 or more per HPF)

### Status of surgical margins involved by tumor

**Colon and Rectum Resection**

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Initials/Date: \_\_\_\_\_

- AT1 NO surgical margins involved by tumor
- AT2 YES - Surgical margins involved by tumor

**Surgical margin closest to tumor**

- AU1 Proximal margin
- AU2 Distal margin
- AU3 Circumferential (Radial) or Mesenteric margin
- AU4 Deep margin
- AU5 Mucosal margin
- AU6 Other margin (specify): \_\_\_\_\_

**Distance of invasive carcinoma from closest margin**

AV1 (mm): \_\_\_\_\_

**Margins: Proximal**

- AW1 Proximal margin cannot be assessed
- AW2 Proximal margin uninvolved by invasive carcinoma
- AW3 Uninvolved by adenoma
- AW4 Involved by adenoma with high-grade dysplasia
- AW5 Involved by adenoma with low-grade dysplasia
- AW6 Proximal margin involved by invasive carcinoma
- AW7 Other (specify): \_\_\_\_\_

**Margins: Distal**

- AX1 Distal margin cannot be assessed
- AX2 Distal margin uninvolved by invasive carcinoma

- AX3 Uninvolved by adenoma
- AX4 Involved by adenoma with high-grade dysplasia
- AX5 Involved by adenoma with low-grade dysplasia
- AX6 Distal margin involved by invasive carcinoma
- AX7 Other (specify): \_\_\_\_\_

**Margins: Mesenteric**

- AY1 Mesenteric margin cannot be assessed
- AY2 Mesenteric margin uninvolved by invasive carcinoma
- AY3 Uninvolved by adenoma
- AY4 Involved by adenoma with high-grade dysplasia
- AY5 Involved by adenoma with low-grade dysplasia
- AY6 Mesenteric margin involved by invasive carcinoma
- AY7 Other (specify): \_\_\_\_\_

**Margins: Circumferential (Radial)**

- AZ1 Circumferential (radial) margin cannot be assessed
- AZ2 Circumferential (radial) margin uninvolved by invasive carcinoma
- AZ3 Circumferential (radial) margin involved by invasive carcinoma
- AZ4 Other (specify): \_\_\_\_\_

**Margins: Deep**

- BA1 Deep margin cannot be assessed
- BA2 Deep margin: Uninvolved by invasive carcinoma

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BA3 Deep margin: Involved by invasive carcinoma  
BA4 Other (specify): \_\_\_\_\_

**Margins: Other**

BB1 Specify margin(s): \_\_\_\_\_  
BB2 Other margin cannot be assessed  
BB3 Other margin: Uninvolved by invasive carcinoma  
BB4 Other margin: Involved by invasive carcinoma

**Margins: Mucosal/Lateral**

BC1 Margins cannot be assessed  
BC2 Mucosal/lateral margin: Uninvolved by invasive carcinoma  
BC3 Mucosal/lateral margin: Involved by invasive carcinoma  
BC4 Other (specify): \_\_\_\_\_

**Distance of invasive carcinoma to closest mucosal margin**

BD1 (mm): \_\_\_\_\_

**Clockface to uninvolved mucosal margin**

BE1 (o'clock position): \_\_\_\_\_

**Clockface to involved mucosal margin**

BF1 (o'clock position): \_\_\_\_\_

**Treatment Effect**

BG1 No prior treatment  
BG2 Present-Minimal response (some fibrosis, but moderate amount of cancer)  
BG3 Present-Moderate response (minimal residual cancer)  
BG4 Present-No residual tumor (complete response, grade 0)  
BG5 No definite response identified (poor response)  
BG6 Not known

**Polyp Type in which invasive carcinoma arose**

BH1 None identified  
BH2 Tubular adenoma  
BH3 Villous adenoma  
BH4 Tubulovillous adenoma  
BH5 Traditional serrated adenoma  
BH6 Sessile serrated adenoma  
BH7 Hamartomatous polyp  
BH8 Indeterminate  
BH9 Other (specify): \_\_\_\_\_

**Additional Pathologic Findings**

BJ1 None identified  
BJ2 Adenoma(s)  
BJ3 Crohn disease  
BJ4 Dysplasia  
BJ5 Other polyps (type[s]): \_\_\_\_\_

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BJ6 Other (specify): \_\_\_\_\_



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Comment:

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