

**ASSOCIATION OF DIRECTORS OF ANATOMIC AND SURGICAL PATHOLOGY**  
**Final Anatomic Diagnosis Checklist**

**SMALL BOWEL CARCINOMA RESECTION**

(Ver 1.1, 11-03)

**Accession No.:**  
**Patient Name:**

**Part No.**

**Date:**

**ORGAN,**

**SITE,**

**OPERATION:**

Duodenum

proximal

Segmental resection

Jejunum

distal

Ileum

other\_\_\_\_\_

Duodenum,  
pancreas (proximal)  
and stomach (distal)

pancreaticoduodenectomy,  
partial/complete, and  
with/without  
partial gastrectomy

**-Primary Tumor Diagnosis:** *Required*

Adenocarcinoma (not otherwise specified)

Mucinous adenocarcinoma

*(greater than 50% mucinous)*

Signet-ring cell carcinoma

*(greater than 50% signet-ring cells)*

Adenosquamous carcinoma

Squamous cell carcinoma

Sarcomatoid carcinoma

Small cell carcinoma

Undifferentiated carcinoma

Mixed carcinoid-adenocarcinoma (adenocarcinoid)

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

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**A. Tumor Grade:** *Required*

- X** (Grade cannot be assessed)
- I** (definition = more than 95% of tumor composed of glands)
- II** (definition = 50% to 95% of tumor composed of glands)
- III** (definition = less than 50% of tumor composed of glands)
- IV** (definition = reserved for small cell and undifferentiated carcinoma)

*Note* By convention, signet ring cell carcinoma is classified as a grade III tumor.

**B. Size of Tumor:** *Required* \_\_\_\_\_ cm. x \_\_\_\_\_ cm. x \_\_\_\_\_ cm.

**C. Depth of Tumor Invasion:** *Required*

- No evidence of primary tumor
- Tumor invades lamina propria
- Tumor invades muscularis mucosae into submucosa, but does not invade into muscularis propria
- Tumor invades muscularis propria
- Tumor invades through the muscularis propria into subserosal adipose tissue
- Tumor invades through the muscularis propria into nonperitonealized perimuscular tissue (mesentery/retroperitoneum) 2.0 cm. or less.
- Tumor invades through the muscularis propria and demonstrates serosal perforation through visceral peritoneum
- Tumor invades through the muscularis propria with direct extension into

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(specify: adjacent organs, mesentery or retroperitoneum greater than 2.0 cm)

*Note:* The nonperitonealized perimuscular tissue is, for jejunum and ileum, part of the mesentery and, for duodenum in areas where serosa is lacking, part of the retroperitoneum.

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**-Margins of Resection:** *Required*

No tumor identified at margins (R0)

Tumor present at proximal/distal/radial margin, microscopically (R1)

Tumor present at proximal/distal/radial margin, grossly (R2)

Other: \_\_\_\_\_

*Note: The absence of tumor at margins is considered R0. The presence of tumor at a margin microscopically is considered R1 (incomplete tumor resection with microscopic involvement of a margin). The presence of tumor grossly at a margin is considered R2 (incomplete tumor resection with gross residual tumor that was not resected).*

*Note: All of the following lymph node groups will not be identified in most cases. However, appropriate designations are provided below.*

**-Lymph nodes ( \_\_\_\_\_ ): \_\_\_\_\_**

A. Number examined: \_\_\_\_\_

B. Number positive: \_\_\_\_\_

C. Comments: \_\_\_\_\_

**-Lymph nodes ( \_\_\_\_\_ ): \_\_\_\_\_**

A. Number examined: \_\_\_\_\_

B. Number positive: \_\_\_\_\_

C. Comments: \_\_\_\_\_

**-Lymph nodes ( \_\_\_\_\_ ): \_\_\_\_\_**

A. Number examined: \_\_\_\_\_

B. Number positive: \_\_\_\_\_

C. Comments: \_\_\_\_\_

**-Lymph nodes ( \_\_\_\_\_ ): \_\_\_\_\_**

A. Number examined: \_\_\_\_\_

B. Number positive: \_\_\_\_\_

C. Comments: \_\_\_\_\_

*Note: Regional lymph nodes for the duodenum include duodenal, hepatic, pancreaticoduodenal, infrapyloric, gastroduodenal, pyloric, superior mesenteric, and peridochal. Regional lymph nodes for the ileum and jejunum include posterior cecal (jejunum only), ileocolic (ileum only), superior mesenteric, and mesenteric NOS*

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**-Additional Tumor Features:** *Optional*

**A. Blood vessel invasion:**

Identified

Not Identified

Comment (*specify*: Vein, Artery, Blood Vessel NOS. Intramural, Peritumoral, Extramural): \_\_\_\_\_

**B. Lymphatic invasion:**

Identified

Not Identified

Comment (*specify*: Intramural, Peritumoral, Extramural): \_\_\_\_\_

**C. Lymphocytic infiltration:**

Identified at the border of the infiltrating tumor

Not identified

Comment: \_\_\_\_\_

**D. Pattern of invasion:**

Tumor invades with broad front

Tumor invades with dissecting glands

**E. Additional Comments:**

Residual adenoma in carcinoma (if yes, specify the amount and type of adenoma): \_\_\_\_\_

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**-Additional Findings:** *Optional*

Colitis (*specify type and Activity*): \_\_\_\_\_  
\_\_\_\_\_

Tubular Adenoma (*specify: site, sessile or pedunculated, presence of high grade dysplasia or adenocarcinoma, etc.*): \_\_\_\_\_  
\_\_\_\_\_

Tubulovillous Adenoma (*specify: site, sessile or pedunculated, presence of high grade dysplasia or adenocarcinoma, etc.*): \_\_\_\_\_  
\_\_\_\_\_

Villous Adenoma (*specify: site, sessile or pedunculated, presence of high grade dysplasia or adenocarcinoma, etc.*): \_\_\_\_\_  
\_\_\_\_\_

Hyperplastic Polyp

Juvenile Polyp (*specify: size, single/multiple, presence of high grade dysplasia or adenocarcinoma*) \_\_\_\_\_  
\_\_\_\_\_

Other \_\_\_\_\_  
\_\_\_\_\_

**-Ancillary studies:** *Optional*

Special stains are performed, the results are as follows:

- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_
- D. \_\_\_\_\_

Interpretation \_\_\_\_\_  
\_\_\_\_\_

Immunohistochemical studies are performed, the results are as follows:

- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_
- D. \_\_\_\_\_

Interpretation \_\_\_\_\_  
\_\_\_\_\_

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**-pTN Stage:** *Required*

**A. Primary Tumor:**

- pTX** Primary tumor cannot be assessed
- pT0** No evidence of primary tumor
- pTis** Carcinoma in situ
- pT1** Tumor invades lamina propria or submucosa
- pT2** Tumor invades the muscularis propria
- pT3** Tumor invades through the muscularis propria into the subserosa or into the nonperitonealized perimuscular tissue (mesentery or retroperitoneum<sup>\*</sup>) with extension 2 cm or less
- pT4** Tumor perforates the visceral peritoneum or directly invades other organs or structures (includes other loops of small intestine, mesentery, or retroperitoneum more than 2 cm, and the abdominal wall by way of the serosa; for the duodenum only, includes invasion of the pancreas)

\*The non-peritonealized perimuscular tissue is, for the jejunum and ileum, part of the mesentery and, for the duodenum, in areas where serosa is lacking, part of the retroperitoneum.

**B. Regional Lymph Nodes:**

- pNX** Regional lymph nodes cannot be assessed
- pN0** No regional lymph node metastasis
- pN1** Regional lymph node metastasis

**C. Distant Metastasis**

- pMX** Cannot be assessed
- pM0** No distant metastasis
- pM1** Distant metastasis

References:

1. AJCC Cancer Staging Manual. Lippincott-Raven Press, 6<sup>th</sup> edition, 2002 (pg. 107-110).