SPECIMEN

Procedure

\_\_\_ Right hemicolectomy

\_\_\_ Transverse colectomy

\_\_\_ Left hemicolectomy

\_\_\_ Sigmoidectomy

\_\_\_ Low anterior resection

\_\_\_ Total abdominal colectomy

\_\_\_ Abdominoperineal resection

\_\_\_ Transanal disk excision (local excision)

\_\_\_ Endoscopic mucosal resection

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

\_\_\_ Not specified

Macroscopic Evaluation of Mesorectum (required for rectal cancers) (Note )

\_\_\_ Not applicable

\_\_\_ Complete

\_\_\_ Near complete

\_\_\_ Incomplete

\_\_\_ Cannot be determined: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

TUMOR

Tumor Site (Note ) (select all that apply)

\_\_\_ Cecum: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Ileocecal valve: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Ascending colon: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Hepatic flexure: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Transverse colon: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Splenic flexure: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Descending colon: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Sigmoid colon: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Rectosigmoid: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Rectum: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

+Rectal Tumor Location (applicable only to rectal primaries) (Note )

\_\_\_ Entirely above anterior peritoneal reflection

\_\_\_ Entirely below anterior peritoneal reflection

\_\_\_ Straddles anterior peritoneal reflection

\_\_\_ Not specified

\_\_\_ Colon, not otherwise specified: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Cannot be determined (explain): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Histologic Type (Note )

\_\_\_ Adenocarcinoma

\_\_\_ Mucinous adenocarcinoma

\_\_\_ Signet-ring cell carcinoma (poorly cohesive carcinoma)

\_\_\_ Medullary carcinoma

\_\_\_ Serrated adenocarcinoma

\_\_\_ Micropapillary carcinoma

\_\_\_ Adenosquamous carcinoma

\_\_\_ Undifferentiated carcinoma

\_\_\_ Carcinoma with sarcomatoid component

\_\_\_ Large cell neuroendocrine carcinoma

\_\_\_ Small cell neuroendocrine carcinoma

\_\_\_ Mixed neuroendocrine-non-neuroendocrine neoplasm (specify components): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Other histologic type not listed (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Carcinoma, type cannot be determined: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

+Histologic Type Comment: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Histologic Grade (Note )

\_\_\_ G1, well differentiated

\_\_\_ G2, moderately differentiated

\_\_\_ G3, poorly differentiated

\_\_\_ G4, undifferentiated

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

\_\_\_ GX, cannot be assessed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Not applicable: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Tumor Size

\_\_\_ Greatest dimension in Centimeters (cm): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cm

+Additional Dimension in Centimeters (cm): \_\_\_\_ x \_\_\_\_ cm

\_\_\_ Cannot be determined (explain): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Multiple Primary Sites (e.g., hepatic flexure and transverse colon)

\_\_\_ Not applicable (no additional primary site(s) present)

\_\_\_ Present: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please complete a separate checklist for each primary site

Tumor Extent

\_\_\_ No invasion (high grade dysplasia)

\_\_\_ Invades lamina propria / muscularis mucosae (intramucosal carcinoma)

\_\_\_ Invades submucosa

\_\_\_ Invades into muscularis propria

\_\_\_ Invades through muscularis propria into the pericolonic or perirectal tissue

\_\_\_ Invades visceral peritoneum (including tumor continuous with serosal surface through area of inflammation)

\_\_\_ Directly invades or adheres to adjacent structure(s) (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Cannot be determined: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ No evidence of primary tumor

Macroscopic Tumor Perforation (Note )

\_\_\_ Not identified

\_\_\_ Present

\_\_\_ Cannot be determined: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Lymphovascular Invasion (select all that apply)

\_\_\_ Not identified

\_\_\_ Small vessel: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Large vessel (venous), intramural: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Large vessel (venous), extramural: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Present (not otherwise specified): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Cannot be determined: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Perineural Invasion (Note )

\_\_\_ Not identified

\_\_\_ Present

\_\_\_ Cannot be determined: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

+Number of Tumor Buds (per ‘hotspot’ field) (Note )

\_\_\_ Specify number in one ‘hotspot’ field (in an area = 0.785 mm2): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ per 'hotspot' field

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

\_\_\_ Cannot be determined: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

+Tumor Bud Score

\_\_\_ Low (0-4)

\_\_\_ Intermediate (5-9)

\_\_\_ High (10 or more)

\_\_\_ Cannot be determined: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

+Type of Polyp in which Invasive Carcinoma Arose (Note )

\_\_\_ None identified

\_\_\_ Tubular adenoma

\_\_\_ Villous adenoma

\_\_\_ Tubulovillous adenoma

\_\_\_ Traditional serrated adenoma

\_\_\_ Sessile serrated adenoma / sessile serrated polyp

\_\_\_ Hamartomatous polyp

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

Treatment Effect (Note )

\_\_\_ No known presurgical therapy

\_\_\_ Present, with no viable cancer cells (complete response, score 0)

\_\_\_ Present, with single cells or rare small groups of cancer cells (near complete response, score 1)

\_\_\_ Present, with residual cancer showing evident tumor regression, but more than single cells or rare small groups of cancer cells (partial response, score 2)

\_\_\_ Present (not otherwise specified)

\_\_\_ Absent, with extensive residual cancer and no evident tumor regression (poor or no response, score 3)

\_\_\_ Cannot be determined: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

+Tumor Comment: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

MARGINS (Note )

Margin Status for Invasive Carcinoma

\_\_\_ All margins negative for invasive carcinoma

+Closest Margin(s) to Invasive Carcinoma (select all that apply)

\_\_\_ Proximal: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Distal: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Radial (circumferential) or mesenteric: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Deep: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Mucosal (specify location / o'clock position, if possible): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

\_\_\_ Cannot be determined: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

+Distance from Invasive Carcinoma to Closest Margin

Specify in Centimeters (cm)

\_\_\_ Exact distance in cm: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cm

\_\_\_ Greater than 1 cm

Specify in Millimeters (mm)

\_\_\_ Exact distance in mm: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ mm

\_\_\_ Greater than 10 mm

Other

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

\_\_\_ Cannot be determined: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Distance from Invasive Carcinoma to Radial (Circumferential) Margin (required for rectal tumors)

\_\_\_ Not applicable (not a rectal tumor)

\_\_\_ Distance already reported as closest margin: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Specify in Centimeters (cm)

\_\_\_ Exact distance in cm: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cm

\_\_\_ Greater than 1 cm

Specify in Millimeters (mm)

\_\_\_ Exact distance in mm: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ mm

\_\_\_ Greater than 10 mm

Other

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

\_\_\_ Cannot be determined: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

+Distance from Invasive Carcinoma to Distal Margin (recommended for rectal tumors)

\_\_\_ Not applicable (not a rectal tumor)

\_\_\_ Distance already reported as closest margin: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Specify in Centimeters (cm)

\_\_\_ Exact distance in cm: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cm

\_\_\_ Greater than 1 cm

Specify in Millimeters (mm)

\_\_\_ Exact distance in mm: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ mm

\_\_\_ Greater than 10 mm

Other

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

\_\_\_ Cannot be determined: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Distance from Invasive Carcinoma to Closest Mucosal Margin (relevant and required only for transanal disc excisions)

\_\_\_ Not applicable (not a transanal disc excision)

\_\_\_ Distance already reported as closest margin: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Specify in Centimeters (cm)

\_\_\_ Exact distance in cm: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cm

\_\_\_ Greater than 1 cm

Specify in Millimeters (mm)

\_\_\_ Exact distance in mm: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ mm

\_\_\_ Greater than 10 mm

Other

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

\_\_\_ Cannot be determined: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Invasive carcinoma present at margin

Margin(s) Involved by Invasive Carcinoma (select all that apply)

\_\_\_ Proximal: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Distal: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Radial (circumferential) or mesenteric: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Deep: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Mucosal (specify location / o'clock position, if possible): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

\_\_\_ Cannot be determined: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

\_\_\_ Cannot be determined (explain): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Not applicable

Margin Status for Non-Invasive Tumor (select all that apply)

\_\_\_ All margins negative for high-grade dysplasia / intramucosal carcinoma and low-grade dysplasia

\_\_\_ High-grade dysplasia / intramucosal carcinoma present at margin

Margin(s) Involved by High-Grade Dysplasia / Intramucosal Carcinoma (select all that apply)

\_\_\_ Proximal: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Distal: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Mucosal (specify location / o'clock position, if possible): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

\_\_\_ Cannot be determined: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Low-grade dysplasia present at margin

Margin(s) Involved by Low-Grade Dysplasia (select all that apply)

\_\_\_ Proximal: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Distal: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Mucosal (specify location / o'clock position, if possible): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

\_\_\_ Cannot be determined: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

\_\_\_ Cannot be determined (explain): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Not applicable

+Margin Comment: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

REGIONAL LYMPH NODES

Regional Lymph Node Status

\_\_\_ Not applicable (no regional lymph nodes submitted or found)

\_\_\_ Regional lymph nodes present

\_\_\_ All regional lymph nodes negative for tumor

\_\_\_ Tumor present in regional lymph node(s)

Number of Lymph Nodes with Tumor

\_\_\_ Exact number (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ At least (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

\_\_\_ Cannot be determined (explain): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

\_\_\_ Cannot be determined (explain): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Number of Lymph Nodes Examined

\_\_\_ Exact number (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ At least (specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

\_\_\_ Cannot be determined (explain): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Tumor Deposits (Note )

\_\_\_ Not identified

\_\_\_ Present

Number of Tumor Deposits

\_\_\_ Specify number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

\_\_\_ Cannot be determined (explain): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Cannot be determined: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

+Regional Lymph Node Comment: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

DISTANT METASTASIS

Distant Site(s) Involved, if applicable (select all that apply)

\_\_\_ Not applicable

\_\_\_ Non-regional lymph node(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ Liver: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

\_\_\_ Cannot be determined: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

PATHOLOGIC STAGE CLASSIFICATION (pTNM, AJCC 8th Edition) (Note )

Reporting of pT, pN, and (when applicable) pM categories is based on information available to the pathologist at the time the report is issued. As per the AJCC (Chapter 1, 8th Ed.) it is the managing physician’s responsibility to establish the final pathologic stage based upon all pertinent information, including but potentially not limited to this pathology report.

TNM Descriptors (select all that apply)

\_\_\_ Not applicable: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_ m (multiple primary tumors)

\_\_\_ r (recurrent)

\_\_\_ y (post-treatment)

pT Category

\_\_\_ pT not assigned (cannot be determined based on available pathological information)

\_\_\_ pT0: No evidence of primary tumor

\_\_\_ pTis: Carcinoma in situ, intramucosal carcinoma (involvement of lamina propria with no extension through muscularis mucosae)

\_\_\_ pT1: Tumor invades the submucosa (through the muscularis mucosa but not into the muscularis propria)

\_\_\_ pT2: Tumor invades the muscularis propria

\_\_\_ pT3: Tumor invades through the muscularis propria into pericolorectal tissues

pT4: Tumor invades the visceral peritoneum or invades or adheres to adjacent organ or structure

\_\_\_ pT4a: Tumor invades# through the visceral peritoneum (including gross perforation of the bowel through tumor and continuous invasion of tumor through areas of inflammation to the surface of the visceral peritoneum)

\_\_\_ pT4b: Tumor directly invades# or adheres## to adjacent organs or structures

\_\_\_ pT4 (subcategory cannot be determined)#, ##

# Direct invasion in T4 includes invasion of other organs or other segments of the colorectum as a result of direct extension through the serosa, as confirmed on microscopic examination (for example, invasion of the sigmoid colon by a carcinoma of the cecum) or, for cancers in a retroperitoneal or subperitoneal location, direct invasion of other organs or structures by virtue of extension beyond the muscularis propria (i.e., respectively, a tumor on the posterior wall of the descending colon invading the left kidney or lateral abdominal wall; or a mid or distal rectal cancer with invasion of prostate, seminal vesicles, cervix, or vagina).

## Tumor that is adherent to other organs or structures, grossly, is classified cT4b. However, if no tumor is present in the adhesion, microscopically, the classification should be pT1-4a depending on the anatomical depth of wall invasion. The V and L classification should be used to identify the presence or absence of vascular or lymphatic invasion whereas the PN prognostic factor should be used for perineural invasion.

pN Category

\_\_\_ pN not assigned (no nodes submitted or found)

\_\_\_ pN not assigned (cannot be determined based on available pathological information)

\_\_\_ pN0: No regional lymph node metastasis

pN1: One to three regional lymph nodes are positive (tumor in lymph nodes measuring greater than or equal to 0.2 mm), or any number of tumor deposits are present and all identifiable lymph nodes are negative

\_\_\_ pN1a: One regional lymph node is positive

\_\_\_ pN1b: Two or three regional lymph nodes are positive

\_\_\_ pN1c: No regional lymph nodes are positive, but there are tumor deposits in the subserosa, mesentery, nonperitonealized pericolic or perirectal / mesorectal tissues

\_\_\_ pN1 (subcategory cannot be determined)

pN2: Four or more regional nodes are positive

\_\_\_ pN2a: Four to six regional lymph nodes are positive

\_\_\_ pN2b: Seven or more regional lymph nodes are positive

\_\_\_ pN2 (subcategory cannot be assessed)

pM Category (required only if confirmed pathologically)

\_\_\_ Not applicable - pM cannot be determined from the submitted specimen(s)

pM1: Metastasis to one or more distant sites or organs or peritoneal metastasis is identified

\_\_\_ pM1a: Metastasis to one site or organ is identified without peritoneal metastasis

\_\_\_ pM1b: Metastasis to two or more sites or organs is identified without peritoneal metastasis

\_\_\_ pM1c: Metastasis to the peritoneal surface is identified alone or with other site or organ metastases

\_\_\_ pM1 (subcategory cannot be determined)

ADDITIONAL FINDINGS

+Additional Findings (select all that apply)

\_\_\_ None identified

\_\_\_ Adenoma(s)

\_\_\_ Ulcerative colitis

\_\_\_ Crohn disease

\_\_\_ Diverticulosis

\_\_\_ Dysplasia arising in inflammatory bowel disease

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

SPECIAL STUDIES (Note )

For reporting molecular testing and immunohistochemistry for mismatch repair proteins, and for other cancer biomarker testing results, the CAP Colorectal Biomarker Template should be used. Pending biomarker studies should be listed in the Comments section of this report.

COMMENTS

Comment(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_