

SURGICAL PATHOLOGY

Collected on Jul 22, 2025 12:47 PM, Jul 22, 2025 12:49 PM, Jul 22, 2025 12:53 PM, Jul 22, 2025 12:54 PM, Jul 22, 2025 12:55 PM, Jul 22, 2025 2:14 PM, Jul 22, 2025 3:09 PM

Results

SURGICAL PATHOLOGY

Value

COLLECTION DATE: 07/22/2025**Surgical Pathology Report****SPECIMEN SOURCE:**

- A. SEGMENT 1, LIVER (BIO-REP)**
- B. SEGMENT 7, LIVER (BIO-REP)**
- C. SEGMENT 6, LIVER (BIO-REP)**
- D. SEGMENT 2, LIVER (BIO-REP)**
- E. SEGMENT 3, LIVER (BIO-REP)**
- F. SEGMENT 4, LIVER (BIO-REP)**
- G. SEGMENT 5, LIVER (BIO-REP)**
- H. SMALL BOWEL**
- I. GALLBLADDER**

CLINICAL HISTORY:**Malignant carcinoid tumor of mid gut****DIAGNOSIS:**

A-G. Liver, Segments 1-7, resection - Metastatic well-differentiated neuroendocrine tumor WHO Grade 1. Immunohistochemical stains show tumor cells are positive for synaptophysin and chromogranin. Ki-67 proliferative index is 1%.

H. Small bowel, segmental resections - Well-differentiated neuroendocrine tumor WHO Grade 1 (0.9 cm), with extension into the subserosa. Lymphovascular and perineural invasion are present. Proximal, distal, and radial margins are negative for tumor. Six of thirteen lymph nodes positive for metastatic neuroendocrine tumor (6/13). Immunohistochemical stains show tumor cells are positive for synaptophysin and chromogranin. Ki-67 proliferative index is 1%. See synoptic report.

I. Gallbladder, cholecystectomy - Gallbladder within normal

limits. One reactive lymph node, negative for tumor (0/1).

JEJUNUM AND ILEUM NEUROENDOCRINE TUMOR

Specimens:H: SMALL BOWEL

TUMOR

Tumor Site:Ileum

Histologic Type and Grade:G1, well-differentiated neuroendocrine tumor

Ki-67 Labeling Index: 1%

Tumor Size: 0.9cm x 0.8cm x 0.3cm

Tumor Focality:Unifocal

Tumor Extent:Invades through muscularis propria into subserosal tissue without penetration of overlying serosa

Lymphovascular Invasion:Present

Perineural Invasion:Present

Large Mesenteric Masses (greater than 2 cm):Not identified

MARGINS

Margin Status:All margins negative for tumor

Closest Margin(s) to Tumor:Radial or mesenteric

Distance from Tumor to Closest Margin: 3.2cm

REGIONAL LYMPH NODES

Regional Lymph Node Status:Tumor present in regional lymph node(s)
Number of Lymph Nodes with Tumor: 6

Number of Lymph Nodes Examined: 14

DISTANT METASTASIS

Distant Site(s) Involved:Liver

PATHOLOGIC STAGE CLASSIFICATION (pTNM, AJCC 8th Edition)

pT Category:pT3

pN Category:pN1

PM Category:pM1a

ADDITIONAL FINDINGS

Mesenteric tumor deposit(s) less than or equal to 2 cm

SPECIMEN BLOCK INFORMATION

The part/slide number for a tumor block is: H3

The part/slide number for a normal block is: H1

Aryeh Stock, M.D.

Attending Pathologist

GROSS DESCRIPTION:

A: Received fresh, properly labeled patient's name and designated "segment one, liver" is a 1.3 x 0.9 x 0.9 cm dark brown soft tissue nodule. The cut surface is gray-white and nodular. The specimen is trisected and entirely submitted in one cassette.

B: Received fresh, properly labeled patient's name and designated "segment seven, liver", are four dark brown soft tissue nodules ranging from 0.1-0.7 cm in greatest dimension. The specimen is entirely submitted in one cassette.

C: Received fresh, properly labeled patient's name and designated "segment six, liver", are two dark brown nodules measuring 0.5 and 0.6 cm in greatest dimension. The specimen is entirely submitted in one cassette.

D: Received fresh, properly labeled patient's name and designated "segment two, liver" is a 0.3 x 0.2 x 0.2 cm dark brown nodule. It is entirely submitted in one cassette.

E: Received fresh, properly labeled patient's name and designated "segment three, liver" is a 1.7 x 1.5 x 1.1 cm dark brown soft tissue nodule partially covered by capsule. The cut surface is gray-white and nodular. Additionally received is a 0.3 x 0.3 x 0.2 cm dark brown, friable tissue (inked yellow). The specimen is quadrisected and additional tissue entirely submitted in two cassettes.

F: Received fresh, properly labeled patient's name and designated "segment four, liver", are two pieces of dark brown rubbery to firm tissue measuring 0.7 x 0.5 x 0.2 cm and 1.5 x 1.4 x 0.6 cm. The larger piece is yellow-brown and homogeneous on sectioning. The specimen is entirely submitted in one cassette.

G: Received fresh, properly labeled patient's name and designated "segment five, liver", are three brown and light tan soft tissue nodules measuring 0.5, 0.8 and 1.3 cm in greatest dimension. The specimen is serially sectioned and entirely submitted in two cassettes: G1 two bisected nodules, G2 one nodule, trisected.

H: Received fresh, properly labeled patient's name and designated "small bowel", are three non-oriented segments of small bowel measuring 33, 26 and 5.0 cm in length ranging from 4.0-5.0 cm in circumference.

Circumference.

The second longest segment shows a 0.9 x 0.8 x 0.3 cm pale yellow mural nodule that is 3.5 cm from closer margin (inked red), 19 cm from further margin (green inked), and 3.2 cm from the radial margin (inked blue). The remaining mucosa is tan, smooth and normally folded. The wall is rubbery uniform averaging 0.2 cm in thickness. No additional nodule is seen. Dissection of the mesentery reveals a 0.2 cm possible node.

The first, longest segment has an 8.0 x 6.0 x 2.5 cm mesentery mass which on sectioning reveals multiple lymph nodes ranging from 0.2-5.0 cm in diameter. One of the larger nodes is chalky yellow, firm consisting of three matted nodes. Several additional smaller nodes are also firm.

The third shortest segment has no discrete mural nodules but two possible soft nodes. A portion of the tissue is submitted for biorepository. The specimen is representatively submitted. Photos taken

Summary of the sections:

H1 margins of medial size segment

H2 radial margin of medial size the segment

H3-H4 entire mural nodule

H5 one possible node

H6 margins of longest segment

H7 radial margin of mesentery mass

H8 representative matted nodes

H9 one bisected node

H 10 one bisected node

H 11 one quadrisected node

H 12 one bisected node

H 13 one bisected node

H 14 one bisected node

H 15 one firm

node, bisected/ one whole node, inked blue

H 16 one node, bisected

H 17-19 representative of small bowel, longest segment

H 20 margins of shortest segment

H 21 representative the middle portion of the shortest segment

H 22 two soft possible lymph nodes of shortest assessment

Total 22

I: Received in formalin, properly labeled patient's identification, designated "gallbladder", is an intact gallbladder measuring 7.8 x 3.0 x 2.0 cm. The serosa is yellow-green and is smooth. The wall is soft and uniform averaging 0.2 cm in thickness. The mucosa is bile-stained and velvety. The lumen is filled with bile. No gallstones or polyps is seen. The cystic duct is patent. A 0.2 cm possible cystic duct lymph node is identified. The specimen is representatively submitted.

Summary of sections: I1 = gallbladder wall/cystic duct/possible node, total 1

Dictated by: BM 7/23/2025, A-I

The electronic signature(s) indicates that the named Attending Pathologist has evaluated the specimen referred to in the signed section of the report and formulated the diagnosis therein.

Final Diagnosis performed by ARYEH STOCK, M.D. Electronically signed 7/29/2025 10:02:18AM Interpretation performed at MOUNT SINAI HOSPITAL, NEW YORK, NY

Ordering provider: Celia Divino, MD

Collection date: Jul 22, 2025 12:47 PM, Jul 22, 2025 12:49 PM, Jul 22, 2025 12:53 PM, Jul 22, 2025 12:54 PM, Jul 22, 2025 12:55 PM, Jul 22, 2025 2:14 PM, Jul 22, 2025 3:09 PM

Specimens: Tissue (Liver), Tissue (Abdomen)

Result date: Jul 29, 2025 10:02 AM

Result status: Final

Resulting lab:

MOUNT SINAI HOSPITAL DEPARTMENT OF PATHOLOGY

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