

Surgical Pathology

Status: Edited Result - FINAL Dx: Colon cancer metastasized to liver (H...

Test Result Released: Yes (not seen)

Component 2 yr ago

Report

SURGICAL REPORT

Collected::9/5/2023

Specimen(s) Received

- 1: PRE PERITONEAL FAT
- 2: FALCIFORM LIGAMENT
- 3: SEGMENT 4B NEEDLE BIOPSY (FS)
- 4: SEGMENT 4B NEEDLE BIOPSY #2 (FS)
- 5: SEGMENT 3 WEDGE (FS)
- 6: SEGMENT 4B NEEDLE BIOPSY
- 7: SEGMENT 8 LIVER WEDGE RESECTION
- 8: SEGMENT 7 LIVER WEDGE RESECTION
- 9: NEW DEEP MARGIN SEGMENT 8- STITCH MARKS NEW MARGIN (FS)
- 10: SEGMENT 7 DEEP MARGIN STITCH MARK 2 MARGIN
- 11: GALLBLADDER
- 12: SEGMENT 4B/5 LIVER WEDGE RESECTION
- 13: SEGMENT 4B/5 NEW DEEP MARGIN
- 14: SEGMENT 4B/5 DEEP MARGIN #2 (FS)
- 15: RIGHT COLON
- 16: SEGMENT 4B/5 DEEP MARGIN #3(FS)

Final Pathologic Diagnosis

1. PRE PERITONEAL FAT, EXCISION:
Fibroadipose tissue.
Negative for tumor.

2. FALCIFORM LIGAMENT, EXCISION:
Fibroadipose tissue.
Negative for tumor.

3. LIVER, SEGMENT 4B, NEEDLE BIOPSY (FS):
Liver parenchyma.

Negative for tumor.

4. LIVER, SEGMENT 4B, NEEDLE BIOPSY #2 (FS):

Metastatic adenocarcinoma with extracellular mucin, consistent with treatment effect.

See Note 1.

Note 1: Adenocarcinoma is best represented on the frozen section slides. No

tumor present on permanent sections for testing.

5. LIVER, SEGMENT 3, WEDGE RESECTION (FS):

Benign liver parenchyma and bile duct hamartoma.

Negative for malignancy.

6. LIVER, SEGMENT 4B, NEEDLE BIOPSY:

Liver parenchyma.

Negative for tumor.

7. LIVER, SEGMENT 8, LIVER WEDGE RESECTION:

Metastatic adenocarcinoma with extracellular mucin, consistent with treatment effect.

Tumor size is 3.2 cm in greatest dimension.

Margins free of tumor, nearest deep margin is less than 1 mm away from viable

tumor, nearest medial margin is 2 mm away from viable tumor,

nearest lateral

margin is 2.5 mm away from viable tumor.

8. LIVER, SEGMENT 7, LIVER WEDGE RESECTION:

Metastatic adenocarcinoma with extracellular mucin, consistent with treatment effect.

Tumor size is 2.2 cm in greatest dimension.

Margins free of tumor, nearest deep margin is less than 0.5 mm away from viable

tumor, nearest lateral margin is less than 0.5 mm away from viable tumor,

nearest superior margin is less than 1 mm away from viable tumor, and nearest

inferior margin is 1.5 mm away from viable tumor.

9. LIVER, NEW DEEP MARGIN, SEGMENT 8, STITCH MARKS NEW MARGIN (FS),

RE-RESECTION:

Liver parenchyma.

Negative for tumor.

New deep margin is negative for tumor.

10. LIVER, SEGMENT 7, DEEP MARGIN, STITCH MARK 2 MARGIN, RE-RESECTION:

Liver parenchyma.

Negative for tumor.
New deep margin is negative for tumor.

11. GALLBLADDER, CHOLECYSTECTOMY:
Gallbladder with mild chronic cholecystitis.
Negative for tumor.

12. LIVER, SEGMENT 4B/5, LIVER WEDGE RESECTION:
Metastatic adenocarcinoma with extracellular mucin, consistent with treatment effect.
Tumor size is 1.7 cm in greatest dimension.
POSITIVE deep and inferior margins with viable tumor.

13. LIVER, SEGMENT 4B/5, NEW DEEP MARGIN, RE-RESECTION:
Metastatic adenocarcinoma with extracellular mucin, consistent with treatment effect.
Tumor size is 1.8 cm in greatest dimension.
Margins free of tumor, new deep margin is less than 0.5 mm away from tumor.

14. LIVER, SEGMENT 4B/5, DEEP MARGIN #2 (FS), RE-RESECTION:
Metastatic adenocarcinoma with extracellular mucin, consistent with treatment effect.
Tumor size is 1.5 cm in greatest dimension.
POSITIVE deep margin with viable tumor.

15. RIGHT COLON, ILEOCOLIC RESECTION:
Adenocarcinoma, well differentiated, with extracellular mucin and fibrosis, consistent with treatment effect.
Tumor involves cecum, ileum, and ileocecal valve.
Tumor size is 2.3 cm in greatest dimension.
Viable tumor cells invade through muscularis propria into the mesenteric fat.
POSITIVE for perineural invasion.
POSITIVE for viable tumor involving omental adhesions.
Margins free of tumor, nearest mesenteric margin is greater than 6 cm away from tumor.
One of twenty-eight lymph nodes, POSITIVE for residual metastatic adenocarcinoma (1/28).
-POSITIVE for extramural extension.
-POSITIVE for treatment effect.
See Note 2.

Note 2: Molecular testing was performed on the prior liver metastasis biopsy (S23-9943). On that biopsy, Mismatch Repair (MMR) protein expression was intact, HER2 was negative by IHC, and Caris Life Sciences molecular

testing
found a BRAF V600E mutation.

16. LIVER, SEGMENT 4B/5, DEEP MARGIN #3 (FS), RE-RESECTION:
Liver parenchyma.
Negative for tumor.
Margin is negative for tumor.

CASE SUMMARY: (COLON AND RECTUM: Resection, Including Transanal
Disk Excision of
Rectal Neoplasms)
Standard(s): AJCC-UICC 8
(v 4.2.0.2)

SPECIMEN:

Procedure: Other (specify): Ileocolectomy
Macroscopic Evaluation of Mesorectum: Not applicable

TUMOR:

Tumor Site: Cecum, Ileocecal valve
Histologic Type: Adenocarcinoma
Histologic Grade: G1, well differentiated
Tumor Size: Greatest dimension in Centimeters (cm): 2.3 cm
Multiple Primary Sites: Not applicable (no additional primary
site(s) present)
Tumor Extent: Directly invades or adheres to adjacent structure(s)
(specify):
Omentum
Macroscopic Tumor Perforation: Not identified
Lymphovascular Invasion: Not identified
Perineural Invasion: Present
Type of Polyp in which Invasive Carcinoma Arose: None identified
Treatment Effect: Present, with residual cancer showing evident
tumor
regression, but more than single cells or rare small groups of
cancer cells
(partial response, score 2)

MARGINS:

Margin Status for Invasive Carcinoma: All margins negative for
invasive
carcinoma
Closest Margin(s) to Invasive Carcinoma: Radial (circumferential)
or mesenteric
Distance from Invasive Carcinoma to Closest Margin: Greater than 1
cm
Distance from Invasive Carcinoma to Radial (Circumferential)
Margin: Not
applicable (not a rectal tumor)
Distance from Invasive Carcinoma to Distal Margin: Not applicable
(not a rectal
tumor)
Distance from Invasive Carcinoma to Closest Mucosal Margin: Not

applicable (not
a transanal disc excision)
Margin Status for Non-Invasive Tumor: All margins negative for
high-grade
dysplasia / intramucosal and low-grade dysplasia
Margin Comment: There is viable tumor present at several of the
parenchymal
liver margins in the multiple wedge resections, and clinical
correlation is
needed to determine final liver parenchymal margin status.

REGIONAL LYMPH NODES:

Regional Lymph Node Status: Regional lymph nodes present, Tumor
present in
regional lymph node(s)
Number of Lymph Nodes with Tumor: Exact number (specify): 1
Number of Lymph Nodes Examined: Exact number (specify): 28
Tumor Deposits: Not identified

DISTANT METASTASIS:

Distant Site(s) Involved, if applicable: Liver

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

TNM Descriptors: y (post-treatment)
pT Category: ypT4 (subcategory cannot be determined)
pN Category: ypN1a: One regional lymph node is positive
pM Category: ypM1a: Metastasis to one site or organ is identified
without
peritoneal metastasis

ADDITIONAL FINDINGS:

Additional Findings: None identified

COMMENTS:

Comment(s): Tumor is available for additional testing at clinical
request (15I,
15M)

