

# Liver: Hepatocellular Carcinoma

**Procedure:**

- Partial hepatectomy
- Total hepatectomy

**Tumor Characteristics:**

*Note: For multiple tumors, fill out tumor site, size, and treatment effect for each tumor*

**Tumor focality:**

- Single
- Multiple. Number of masses:

**Tumor site:**

- Right lobe
- Left lobe
- Segment: \_\_\_\_

**Tumor size** (greatest dimension): \_\_\_\_ cm

**Treatment effect:**

- No known presurgical therapy
- Complete necrosis
- Incomplete necrosis. % tumor necrosis:
- No necrosis

**Histologic type:**

- Hepatocellular carcinoma
- Fibrolamellar variant of hepatocellular carcinoma
- Other

**Histologic grade:** (note: for multiple tumors, select worst grade)

- Cannot be assessed (treated tumor)
- Well differentiated
- Moderately differentiated
- Poorly differentiated
- Undifferentiated

**Tumor extension** (select all that apply)

- Confined to liver
- Invades major branch of portal vein
- Invades major branch of hepatic vein
- Tumor perforates visceral peritoneum
- Directly invades adjacent organs other than gallbladder

**Margins:**

- Negative for carcinoma
- Involved by carcinoma. Specify positive margin(s):
- Cannot be assessed

**Vascular invasion:**

- Not identified
- Present
- Cannot be determined

**Regional lymph nodes:**

- No lymph nodes submitted or found
- Number of positive lymph nodes / total examined:

**Distant metastases?**      Yes      Unknown

**Is the liver cirrhotic?**      Yes. Etiology:                      No

**Pathologic Stage Classification (AJCC 8<sup>th</sup> edition):**

TNM Descriptors (required only if applicable)

- m (multiple primary tumors) – suffix with parenthesis
- r (recurrent)
- y (posttreatment)

**T Stage**

- T0 No evidence of primary tumor
- T1 Solitary tumor
  - T1a: Solitary tumor  $\leq 2$ cm
  - T1b: Solitary tumor  $> 2$ cm without vascular invasion
- T2 Solitary tumor  $> 2$ cm with vascular invasion, or multiple tumors, none  $> 5$  cm
- T3 Multiple tumors, at least one of which is  $> 5$  cm
- T4 Single or multiple tumors of any size involving a major branch of the portal or hepatic vein, or tumors with direct invasion of adjacent organs other than the gallbladder, or with perforation of visceral peritoneum.

**N Stage**

- N0: No regional lymph node metastasis
- N1: Regional lymph node metastasis

**M Stage**

- M1 Distant metastasis