**Hepatoblastoma**

**Histopathology Reporting Guide**

**CLINICAL INFORMATION**

(Applicable to primary resections only)
- Information not provided
- Age (years)
  - 0-<1
  - ≥1-<8
  - ≥8
- Serum alpha fetoprotein (AFP) level at diagnosis (ng/mL)
  - Information not provided
  - <100
  - 100-1.2 million
  - >1.2 million
- Preoperative chemotherapy
  - Information not provided
  - No known preoperative therapy
  - Preoperative therapy given, specify

**History of prematurity**
- Yes
- No

**Associated genetic syndromes, malformations or other conditions, specify**

**PRETEXT clinical staging, specify**

**Low birth weight (<1,500 grams)**
- Yes
- No

**Other clinical information, specify**

**OPERATIVE PROCEDURE**

- Not specified
- Right lobectomy
- Extended right lobectomy
- Medial segmentectomy
- Left lateral segmentectomy
- Total left lobectomy
- Orthotopic liver transplant
- Non-anatomic/wedge resection

**TUMOUR SITE**

- Not specified
- Left lobe
- Right lobe
- Other, specify

**TUMOUR FOCALITY**

- Cannot be determined
- Unifocal
- Multifocal

Specify number of tumours

**TUMOUR DIMENSIONS**

<table>
<thead>
<tr>
<th>Nodule</th>
<th>Greatest dimension</th>
<th>Additional dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>mm</td>
<td>mm x mm</td>
</tr>
<tr>
<td>3</td>
<td>mm</td>
<td>mm x mm</td>
</tr>
</tbody>
</table>

**BLOCK IDENTIFICATION KEY**

(List overleaf or separately with an indication of the nature and origin of all tissue blocks)

### HISTOLOGICAL TUMOUR TYPE

(Select all that apply)

- Hepatoblastoma, epithelial type, fetal pattern (mitotically inactive/well differentiated, well-differentiated fetal)
- Hepatoblastoma, epithelial type, fetal pattern (mitotically active/crowded)
- Hepatoblastoma, epithelial type, embryonal pattern
- Hepatoblastoma, epithelial type, pleomorphic pattern (poorly differentiated)
- Hepatoblastoma, epithelial type, macrotrabecular pattern
- Hepatoblastoma, epithelial type, small cell undifferentiated pattern
- Hepatoblastoma, epithelial and mesenchymal type, without teratoid features
- Hepatoblastoma, epithelial and mesenchymal type, with teratoid features
- Hepatocellular neoplasm, NOS
- Hepatoblastoma, other (i.e., blastemal, cholangioblastic), specify

#### TREATMENT EFFECT

- Not identified
- Present

#### LYMPHOVASCULAR INVASION

- Indeterminate
- Not identified
- Present

#### MARGIN STATUS

- Cannot be assessed
- No viable tumour at the margin

#### LYMPH NODE STATUS

- Cannot be assessed
- No nodes submitted or found

#### COEXISTENT PATHOLOGY

- None identified
- Present, specify

#### ANCILLARY STUDIES

- Not performed
- Performed (select all that apply)
  - Beta-catenin immunohistochemistry
  - Glypican 3
  - INI 1
  - Other immunohistochemical stains, specify test(s) and result(s)

- Other, record test(s), methodology and results

Representative blocks for ancillary studies, specify those blocks best representing tumour and/or normal tissue for further study
Hepatoblastoma

PATHOLOGICAL STAGING

Children’s Oncology Group (COG) staging

- **Stage I** Tumour completely resected, margins grossly and microscopically negative for tumour
- **Stage II** Tumour grossly resected with evidence of microscopic residual tumour
  - Microscopic residual tumour present at hepatic resection margin
  - Microscopic residual tumour present at extrahepatic resection margin
  - Intraoperative tumour spill
- **Stage III** Unresectable tumour
  - Tumour within explant
  - Macroscopic tumour visible at resection margin(s)
  - Regional lymph node metastasis present

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c Tumours that are considered by the attending surgeon not to be resectable without undue risk to the patient, tumours within explanted livers, partially resected tumours with macroscopic tumour left at margin, or tumours with regional lymph node metastasis (regional lymph nodes include hilar, hepatoduodenal ligament, or caval lymph nodes).