



Hepatoblastoma Histopathology Reporting Guide

Family/Last name

Date of birth

Given name(s)

Patient identifiers

Date of request

Accession/Laboratory number

Elements in **black text** are CORE. Elements in **grey text** are NON-CORE.

indicates multi-select values indicates single select values

[SCOPE OF THIS DATASET](#)

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

Other, *specify*

TUMOUR SITE

Not specified

Left lobe

Right lobe

Other, *specify*

TUMOUR FOCALITY

Cannot be determined

Unifocal

Multifocal

Specify number of tumours

TUMOUR DIMENSIONS^a

Nodule 1

Greatest dimension mm

Additional dimensions mm x mm

Nodule 2

Greatest dimension mm

Additional dimensions mm x mm

Nodule 3

Greatest dimension mm

Additional dimensions mm x mm

Cannot be assessed, *specify*

^a *Specify for each nodule.*

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) 

(Value list based on the World Health Organization Classification of Paediatric Tumours (2023))

- 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

Percentage of tumour necrosis %

MARGIN STATUS 

- Cannot be assessed
- No viable tumour at the margin

Distance of tumour from closest margin mm

Specify closest margin(s), if possible

- Viable tumour present at the margin

Specify margin(s), if possible

LYMPHOVASCULAR INVASION 

- Indeterminate
- Not identified
- Present

LYMPH NODE STATUS 

- Cannot be assessed
- No nodes submitted or found

Number of lymph nodes examined

- Not involved
- Involved

Number of involved lymph nodes

- Number cannot be determined

Location of involved lymph nodes, *specify*

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*

HISTOLOGICALLY CONFIRMED DISTANT METASTASES

- Not applicable
- Not identified
- Present (select all that apply)

- Lung
- Brain
- Bone
- Other, *specify site(s)*

PATHOLOGICAL STAGING**Children's Oncology Group (COG) staging^b**

- 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^c
- Tumour within explant
 - Macroscopic tumour visible at resection margin(s)
 - Regional lymph node metastasis present

^b Czauderna P, Lopez-Terrada D, Hiyama E, Häberle B, Malogolowkin MH, Meyers RL. Hepatoblastoma state of the art: pathology, genetics, risk stratification, and chemotherapy. *Curr Opin Pediatr.* 2014 Feb;26(1): 19-28.

^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).