**Appendix E** **Reporting proforma for liver resection: intrahepatic**  **cholangiocarcinoma**

Surname: Forenames: Date of birth:

Sex: CHI/NHS no: Hospital:

Hospital no: Date of receipt: Date of reporting:

Report no: Pathologist: Surgeon:

**Gross description**

**Type of specimen:**

Segmental resection □ List segments (if known): …………………

Non-anatomic (wedge) resection □ Site/segment of origin: ………………

Hepatectomy (at transplant) □

Specimen weight………………………g

For segmental resections, specimen dimensions:

antero-posterior ……mm, medio-lateral ……mm, supero-inferior……mm

Number of tumours present. ……… List maximum tumour diameters: ………………mm

 Satellite tumour(s) present: Yes □ No □

Distance from nearest hepatic resection margin: ……..mm

Macroscopic involvement of vessels: Main left portal vein □ Main right portal vein □ Hepatic vein □
Vessel not specified □
No macroscopic involvement □ Diameter of vessel involved ……mm

Liver capsule intact and smooth Yes □ No □

Invasion of adherent or adjacent organ Yes □ No □ If yes, which organ ……………….............…..

Lymph node(s) received Yes □ No □

**Histology**

Tumour type: Cholangiocarcinoma NOS □

 Subtype large duct □ Small duct □ Combined HCC/CC □ Cholangiolocellular □

Other histological subtype □ (If other, specify)………..........................………

Tumour grade/differentiation: Well □ Moderate □ Poor □

Tumour cells present at resection margin: Yes □ No □

If no, distance to resection margin: <1 mm □ 1–10 mm □ state distance: ………mm >10 mm □

Macroscopic vascular invasion confirmed: Yes □ No □

Microscopic vascular invasion identified: Present □ Not identified □
Perineural invasion identified: Present □ Not identified □

Best block of tumour for molecular testing: ……………..

**Background liver**

 Insufficient for assessment □

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Fibrosis**  | None present  | □  |  | **Aetiology** |  |  |
| If present: |  |  |  | Hepatitis B | □  |  |
|  | Portal/periportal  | □  |  | Hepatitis C  | □  |  |
|  | Sinusoidal/pericellular  | □  |  | Autoimmune hepatitis | □  |  |
|  | Both portal & sinusoidal  | □  |  | Haemochromatosis  | □  |  |
|  | Bridging  | □  |  | Alcohol  | □  |  |
|  | Bridging with nodules  | □  |  | NAFLD  | □  |  |
|  | Complete cirrhosis  | □  | Not known  | □  |  |
|  |  |  |  | Other | □  | (If Other, specify) .................. |

Number of lymph nodes examined: ………….. Number of lymph nodes with metastases: ………….

**Comments/additional information**

**Pathological staging**  **pT…….. pN……….**

pTis Carcinoma in situ

pT1a Solitary tumour <50 mm without vascular invasion

pT1b Solitary tumour >50 mm without vascular invasion

pT2 Solitary with intrahepatic vascular invasion **or** multiple tumours, with or without vascular invasion

pT3 Tumour perforating the visceral peritoneum.

pT4 Tumour involves local extra hepatic structures by direct invasion

pN0 No lymph node metastases

pN1 Lymph node metastases

**Signature of pathologist ………………......................... Date …./…./……..**

**SNOMED-CT codes**

**ICD 11 code: intrahepatic cholangiocarcinoma: 2C12.10**