**Appendix F**  **Reporting proforma for liver resection: perihilar 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: ………………

Length of attached extrahepatic bile duct …………….mm

Specimen weight………………………g

For segmental resections, specimen dimensions:

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

Ducts involved: Right main duct □ Left main duct □ Confluence of ducts □ Common hepatic duct □

Direct invasion of liver Yes □ No □

Maximum tumour size ………………..mm

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

Distance from bile duct transection margin ……………….mm

Hepatic metastases present Yes □ No □

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 □

Portal vein or first left or right branch included? Yes □ No □

**Histology**

Tumour type: Cholangiocarcinoma NOS □ Arising from IPNB □ Arising from mucinous cystic neoplasm □

Other histological type □ If other, please specify…….………….

Tumour grade/differentiation(adenocarcinoma): Well □ Moderate □ Poor □

Tumour cells present at hepatic resection margin Yes □ No □

Tumour cells present at main duct transection margin Yes □ No □

Tumour cells present at circumferential dissection or peritoneal margin Yes □ No □ Not applicable □

If margin is clear: distance to resection margin: <1 mm □ 1–10 mm □ state distance …..mm >10 mm □

Indicate closest margin: Hepatic □ Main duct □ Circumferential dissection or peritoneal □

Invasion of lumen or wall of main left / right portal vein / hepatic artery Present □ Not identified □

 Which vessel? ......................................

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

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

Background liver disease: None □ Primary sclerosing cholangitis □ Other □

If other, please specify…………………

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

**Comments/additional information**

**Pathological staging for hilar cholangiocarcinoma:** **pT…….. pN……….**

pTis Carcinoma in situ*,* high grade *BilIN* / IPNB

pT1 Tumour confined to bile duct with extension up to the muscle layer or fibrous tissue

pT2a Tumour invades beyond wall of the bile duct into surrounding adipose tissue

pT2b Tumour invades adjacent hepatic parenchyma

pT3 Tumour invades unilateral branches of portal vein or hepatic artery

pT4 Tumour invades the main portal vein or its branches bilaterally **or** the common hepatic artery **or** unilateral second order biliary radicals with contralateral portal vein or hepatic artery involvement.

pN0 No regional lymph node metastases

pN1 Metastasis to 1–3 regional nodes

pN2 Metastasis to 4 or more regional nodes

(Record non-regional lymph node metastases as pM1)

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

**SNOMED-CT codes**

**ICD 11 code: perihilar cholangiocarcinoma: 2C18.0**