



ROTA

Protocol



Instructions



Submit cases



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Electronic Case Report Form

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Case Identification

Case ID *

Please assign above a unique case identification number (Case ID) related to this case submission. Please ensure that the "Case ID" does not contain any patient identification information, such as date of birth, hospital number, case number, etc.

Demographic data

Age * years

Height * cm

Account

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Case Report Form

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Weight * kg

Gender * Male Female

Ethnic origin *

- African
- Asian
- Australoid
- Caucasian
- Other

Comorbidities

Charlson Comorbidity Index *

- None
- Diabetes mellitus - uncomplicated
- Diabetes mellitus - end-organ damage
- Liver disease - mild
- Liver disease - moderate to severe
- Solid tumor
- AIDS
- Moderate to severe chronic kidney disease
- Congestive heart failure (CHF)
- Chronic obstructive pulmonary disease (COPD)
- Peripheral vascular disease
- Cardiovascular accident (CVA) or transient ischemic attack (TIA)
- Dementia
- Hemiplegia
- Connective tissue disease
- Leukemia
- Malignant lymphoma
- Peptic ulcer disease

Tick any that apply.

[Charlson Comorbidity Index](#)

If other comorbidities not listed above, please indicate

Preoperative characteristics

ASA status *

- ASA I - A normal healthy patient
- ASA II - A patient with mild systemic disease
- ASA III - A patient with severe systemic disease
- ASA IV - A patient with severe systemic disease that is a constant threat to life

ASA Physical Status Classification System

Preoperative bilirubin * $\mu\text{mol/L}$

Preoperative albumin * g/DL

Pre-operative ERCP biliary stent Yes No

Pre-operative PTC drain Yes No

Chemotherapy prior to resection Yes No

If chemotherapy, which agent(s) / scheme

Previous abdominal surgery Yes No

Previous liver resection Yes No

Indication for surgery

Disease * Liver Pancreatic Biliary Combined

Combined indicates more than one organs involved. For example NET of the pancreas with solitary liver metastasis.

Malignant * Yes No

Based on clinical suspicion or preoperative investigations.

Diagnosis *

Please type in the diagnosis above

If liver disease, please indicate

- Cholangiocarcinoma - hilar
- Cholangiocarcinoma - intrahepatic
- Colorectal liver metastases
- Focal nodular hyperplasia
- Hemangioma
- Hepatic adenoma
- Hepatoblastoma
- Hepatocellular carcinoma
- Nodular regenerative hyperplasia
- Non-colorectal liver metastases
- Sarcoma
- Other

If pancreatic disease, please indicate

- Head of the pancreas lesion
- Body of pancreas lesion
- Tail of pancreas lesion
- Duodenal lesion
- Distal bile duct lesion
- Ampullary lesion
- Chronic pancreatitis
- Other

If other liver or pancreatic disease indication, please indicate

Final pathological diagnosis

Final histological diagnosis including TNM where applicable

Intraoperative characteristics

Approach *

- Open
- Laparoscopic
- Laparoscopic converted to open

Prophylactic single-shot antibiotics * Yes No

Procedure *

Please type in the procedure performed.

[Click here if liver procedure](#)

Resection characteristics

	None	Wedge	Resection	Ablation
Segment 1	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Segment 2	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Segment 3	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Segment 4	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Segment 5	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Segment 6	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Segment 7	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Segment 8	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If wedge resection(s), indicate total number

Transection - multiple selections allowed

- Clamp crush
- CUSA or Dissectron
- Bipolar
- Stapler
- Other
- None

Vascular exclusion - multiple selections allowed

- None
- On-demand Pringle
- Intermittent Pringle
- Pringle + vena cava inferior clamping
- Total vascular exclusion

Total clamp time min

- Liver parenchyma Unknown Normal Fibrosis Cirrhosis
 Steatosis Chemo

As judged by the surgeon

Bilioenteric anastomosis Yes No

[Click here if pancreatic procedure](#)

Pancreas texture Soft Medium Hard

Pancreatic anastomosis None PJ PG

Pancreatic stent Yes No

Splenectomy Yes No

Vein resection Yes No

Pancreatic duct size mm

Prophylactic Octreotide Yes No

Abdominal drain Yes No

Operation duration min

Blood transfusion units

Postoperative morbidity and mortality until 90 days postoperatively

Type and grade of postoperative complications according to Clavien-Dindo up to 90 days postoperatively

	None	1	2	3a	3b	4a	4b	5 (death)
Delayed gastric emptying	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pancreatic fistula	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Postoperative Bleeding	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Biliary fistula	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gastrointestinal leak	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Chyle leak	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Liver failure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pulmonary	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gastrointestinal	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cardiac	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Renal / Urologic	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Infection	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Neurologic	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other 1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other 2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other 3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

This field is mandatory. If the patient did not encounter any complications from operation until discharge, please allow "None" for all types and grades of complications listed above. In case of other types of complications, please indicate below the types. Note: Pulmonary complications includes embolism. Gastrointestinal: e.g. ileus, diarrhea. Infection: includes wound infections. The type of pancreatic fistula according to the ISCGF is described below. Please select grade 4a or 4b only once above. In case of complex cases, such as bleeding, leading to multiorgan failure

and death, please select grade 5 for the initial cause that lead to death.

Clavien Dindo Classification

Please indicate the exact types of complications and how they were treated below

If the patient had a pancreatic fistula, please indicate the ISGPF grade

- None
- A
- B
- C

[ISGPS online calculator](#)

Patient status up to 90 days postoperatively

Hospital readmission within 90 days postoperatively

- Yes
- No

Patient status up to 90 days postoperatively

- Alive
- Dead

Days from operation to last follow up or death (up to 90 days postop)

Costs

Total in-hospital costs £

Comments regarding costs (optional)

Case submission status

Perioperative data *

- Complete
- Incomplete

Perioperative data indicates demographic, comorbidities and preoperative data, as well as indication for surgery, and intraoperative characteristics.

Postoperative data *

- Complete
- Incomplete

Postoperative data includes final histology report and complications until discharge.

Follow up data *

- Complete
- Incomplete

Follow up data include completion of the 90 day follow up and update of complications or reamission, if any as well as patient status.

Comments (optional)

Submit