

**Cholangiocarcinoma :**

**I. Bile duct evaluation:**

- 1) Bile duct involvement:
  - Right secondary confluence
  - Right hepatic duct
  - Left secondary confluence
  - Left hepatic duct
  - Primary confluence
  - Common hepatic duct
  - Supra-pancreatic CBD
  - Intra-pancreatic CBD
  
- 2) Bile duct anatomy variation:
  - Not evaluable
  - No
  - Yes
    - trifurcation
    - Right posterior duct inserted to left hepatic duct
    - Right posterior duct inserted to CBD
    - others (please specify)
  
- 3) Bismuth classification: I, II, IIIa, IIIb, IV
  
- 4) Gross morphology based on predominant component:
  - Mass forming (maximum diameter in cm )
  - Periductal infiltrating
  - Intraductal growth

**II. Vessel evaluation:**

- 1) Artery anatomy variation:
  - Not evaluable
  - No
  - Yes
    - Replaced right hepatic artery
    - Replaced left hepatic artery
    - Replaced common hepatic artery
    - Others (please specify)
  
- 2) Portal vein anatomy
  - Not evaluable
  - No
  - Yes
    - PV trifurcation
    - Right posterior PV as first branch of main portal vein
    - Others (please specify)

III. **Regional lymph nodes:** absent, indeterminate, present

IV. **Distance metastases:**

- liver: absent, indeterminate, present (location)
- Peritoneal/ omental nodule: absent, indeterminate, present (location)
- Distant lymph node: absent, indeterminate, present (location)
- Other organs: specify location