Blunt liver trauma received treatment (TAE, OP, none-intervention)

None specific abdominal complaint (Abdominal pain, fullness, poor appetite) or fever, jaundice

CT scan or sonography of abdomen

Abnormal fluid accumulation (intraperitoneal or intrahepatic)

Check total bilirubin level
Risk factor evaluation*

Bilirubin <43.6 μmol/L
1. Conservative treatment first.
2. Percutaneous drainage if clinically not improving.

Bilirubin ≥ 43.6 μmol/L, and One of the risk factor (+)
1. Arrange percutaneous drainage.
2. Arrange ERC.
3. Bile diversion with stent if bile leaks confirmed.

No fluid accumulation

Other survey