

Supplementary Figure 1

Japan

Esophageal varices rupture

Respiratory and circulatory dynamics management

EVL

Balloon tamponade (SB tube)

Secondary prophylaxis

- ✓ CTP-C
- ✓ T-Bil ≥ 4 mg/dL
- ✓ Complications of advanced liver cancer (portal vein tumor thrombosis Vp3/Vp4)

No

EIS

Yes

EVL

Consolidation therapy

AS/APC

AASLD

Baveno VII

Esophageal varices rupture

Esophageal varices rupture

- Airway protection
- Hemodynamic resuscitation(Hb 7 g/dL)
- Vasoactive agents
- Antibiotic prophylaxis(CTRX 1 g/day)
- Intravenous erythromycin 125–250 mg given 30–120 minutes before endoscopy

- Airway protection
- Hemodynamic resuscitation(Hb 7–8 g/dL)
- Vasoactive agents
- Antibiotic prophylaxis(CTRX 1 g/day)
- Intravenous erythromycin 250 mg given 30–120 minutes before endoscopy

EVL

1st EVL

2nd EIS, ETA, HP

Hemostasis achieved

Hemostasis not achieved

Hemostasis achieved

Hemostasis not achieved

Secondary prophylaxis

NSBB
EVL

- CTP 5–7
- No active bleeding

Pre-emptive TIPS

- CTP 8–9 with active bleeding
- CTP 10–13

Transplant/BSC

- CTP-C (13<)

Balloon tamponade
Esophageal stent

Salvage TIPS

Secondary prophylaxis

NSBB
EVL

Balloon tamponade
Esophageal stent
TIPS ± embolization

- nonsurgical treatments fail
- IVR cannot be performed

Surgery