Blunt Hepatic Injury Management (Suspected or Confirmed)

Initial Assessment

Hemodynamically unstable

- FAST (-)
- FAST (+) Peritonitis
  - Consider other causes for instability
  - Continue resuscitation in ER or in OR
  - Consider repeat FAST
  - Consider DPL

- Responding to Resuscitation
- Surgical pathology on CT

Hemodynamically stable

- FAST (+)
- FAST (-)

- Grade 3
  - FAST (+)
  - FAST (-)
  - CT scan
    - Blush
      - Grade 3 - 5 Injury
    - No Blush
      - Grade 0 - 2 Injury

- Angiography

- Unstable
  - ADMIT FOR NON-OPERATIVE MANAGEMENT

Hemodynamic Instability Score

Grade 0 Never hypotensive or tachycardic
Grade 1 Resolved pre-arrival hypotension or tachycardia
Grade 2 Hypotension or tachycardia responded to < 2L initial volume loading, no ongoing volume requirement
Grade 3 Modest ongoing volume requirement
Grade 4 Large initial volume requirement, vigorous ongoing volume requirement Grade 5 Hypotension and tachycardia unresponsive to volume

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ADULT Practice Management Guideline  Effective: 04/2014
Contact: Trauma Center Medical Director  Last Revised: 07/2021

ADMIT FOR NON-OPERATIVE MANAGEMENT

SIRS
Abdominal Pain
Jaundice
Fever

Repeat CT scan

Liver Abscess
Biloma
Bile Ascites/
hemoperitoneum

IR

Successful Management?

No
Operative Intervention

Yes
Continued Drainage?

Yes
ERCP + Sphincterotomy

No
Continue Observation

No
Laparotomy/
Laparoscopy with drainage