Admitted torso trauma N=2,475

Liver trauma, N=297

Penetrating injury, N=9 excluded

Blunt liver trauma N=288

NOM\(^1\), N=220

TAE\(^2\), N=37

Operation, N=31

Follow up CT/sonography N=40

Bile stain noted in post-operation drainage, N=3

Conservative treatment, N=19

Percutaneous drainage, N=21

No bile stain in drainage, N=10

Bile stain noted in drainage content, N=11

ERC\(^3\), N=14

1. Non-Operative Management: no operation, no embolization
2. Transcatheter Artery Embolization
3. Endoscopic Retrograde Cholangiography