

Liver Injury	
Grade	Injury Type and Description
I	<b>Hematoma:</b> Subcapsular, <10% surface area
	<b>Laceration:</b> Capsular tear, <1cm parenchymal depth
II	<b>Hematoma:</b> Subcapsular, 10% to 50% surface area intraparenchymal <10cm in diameter
	<b>Laceration:</b> Capsular tear 1-3 parenchymal depth, <10cm in length
III	<b>Hematoma:</b> Subcapsular, >50% surface area of ruptured subcapsular or parenchymal hematoma; intraparenchymal hematoma >10cm or expanding
	<b>Laceration:</b> >3cm parenchymal depth
IV	<b>Laceration:</b> Parenchymal disruption involving 25% to 75% hepatic lobe or 1-3 Couinaud's segments
V	<b>Laceration:</b> Parenchymal disruption involving >75% of hepatic lobe or >3 Couinaud's segments within a single lobe
	<b>Vascular:</b> Juxtahepatic venous injuries; i.e., retrohepatic vena cava/central major hepatic veins
VI	<b>Vascular:</b> Hepatic avulsion

Spleen Injury	
Grade	Injury Type and Description
I	<b>Hematoma:</b> Subcapsular, <10% surface area
	<b>Laceration:</b> Capsular tear, <1cm parenchymal depth
II	<b>Hematoma:</b> Subcapsular, 10%-50% surface area intraparenchymal, <5cm in diameter
	<b>Laceration:</b> Capsular tear, 1-3cm parenchymal depth that does not involve a trabecular vessel
III	<b>Hematoma:</b> Subcapsular, >50% surface area or expanding; ruptured subcapsular or parenchymal hematoma; intraparenchymal hematoma ≥5cm or expanding
	<b>Laceration:</b> >3cm parenchymal depth or involving trabecular vessels
IV	<b>Laceration:</b> Laceration involving segmental or hilar vessels producing major devascularization (>25% of spleen)
V	<b>Laceration Vascular:</b> Completely shattered spleen. Hilar vascular injury which devascularizes spleen

Kidney Injury	
Grade	Injury Type and Description
I	<b>Contusion:</b> Microscopic or gross hematuria, urologic studies normal
	<b>Hematoma:</b> Subcapsular, nonexpanding without parenchymal laceration
II	<b>Hematoma:</b> Nonexpanding perirenal hematoma confined to renal retroperitoneum
	<b>Laceration:</b> <1.0cm parenchymal depth of renal cortex without urinary extravagation
III	<b>Laceration:</b> <1.0cm parenchymal depth of renal cortex without collecting system rupture or urinary extravagation
IV	<b>Laceration:</b> Parenchymal laceration extending through renal cortex medulla and collecting system
	<b>Vascular:</b> Main renal artery or vein injury with contained hemorrhage
V	<b>Laceration:</b> Completely Shattered kidney
	<b>Vascular:</b> Avulsion of renal hilum which devascularizes kidney
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