

Trauma Grading Cheat Sheet

The American Association for the Surgery of Trauma Organ Injury Severity Scale **Spleen** grading system is as follows:

- Grade I - Small subcapsular hematoma, less than 10% of surface area
- Grade II - Moderate subcapsular hematoma on 10-50% of surface area; intraparenchymal hematoma less than 5-cm diameter; capsular laceration less than 1-cm deep
- Grade III - Large or expanding subcapsular hematoma on greater than 50% of surface area; intraparenchymal hematoma greater than 5-cm diameter; capsular laceration 1- to 3-cm deep
- Grade IV - Laceration greater than 3-cm deep; laceration involving segmental or hilar vessels producing major devascularization (>25%)
- Grade V - Shattered spleen; hilar injury that devascularizes the spleen

The American Association for the Surgery of Trauma Organ Injury Severity Scale **Liver** grading system is as follows:

- Grade I - Capsular avulsion; periportal blood tracking; superficial laceration less than 1-cm deep; subcapsular hematoma less than 1-cm thickness
- Grade II - Laceration 1- to 3-cm deep; subcapsular/central hematoma 1- to 3-cm diameter
- Grade III - Laceration greater than 3-cm deep; subcapsular/central hematoma greater than 3-cm diameter
- Grade IV - Massive central or subcapsular hematoma greater than 10 cm; lobar tissue maceration or devascularization
- Grade V - Bilobar tissue maceration or devascularization

The American Association for the Surgery of Trauma Organ Injury Severity Scale **Kidney** grading system is as follows:

- Grade I - Contusion or contained and nonexpanding subcapsular hematoma, without parenchymal laceration; hematuria
- Grade II - Nonexpanding, confined, perirenal hematoma or cortical laceration less than 1-cm deep; no urinary extravasation
- Grade III - Parenchymal laceration extending more than 1 cm into cortex; no collecting system rupture or urinary extravasation
- Grade IV - Parenchymal laceration extending through the renal cortex, medulla, and collecting system
- Grade V - Pedicle injury or avulsion of renal hilum that devascularizes the kidney; completely shattered kidney; thrombosis of the main renal artery