

KIDNEY INJURY SCALE

Grade	Description	AIS Severity
I	Subcapsular hematoma and/or parenchymal contusion without laceration	2
II	Perirenal hematoma confined to Gerota fascia Renal parenchymal laceration ≤1 cm depth without urinary extravasation	2
III	Renal parenchymal laceration >1 cm depth without collecting system rupture or urinary extravasation Any injury in the presence of a kidney vascular injury or active bleeding contained within Gerota fascia	3
IV	Parenchymal laceration extending into urinary collecting system with urinary extravasation Renal pelvis laceration and/or complete ureteropelvic disruption Segmental renal vein or artery injury Active bleeding beyond Gerota fascia into the retroperitoneum or peritoneum Segmental or complete kidney infarction(s) due to vessel thrombosis without active bleeding	4
V	Main renal artery or vein laceration or avulsion of hilum Devascularized kidney with active bleeding Shattered kidney with loss of identifiable parenchymal renal anatomy	5

	Laceration- NOS Degree		ICD-10		AIS-2005
	Laceration of left / right / unspecified kidney, NOS degree, initial encounter	S37.032A	S37.031A	S37.039A	541620.2
	MINOR - kidney contusion - NFS				
	Minor contusion of left/ right / unspecified kidney, initial encounter	S37.012A	S37.011A	S37.019A	541610.2
	MINOR - kidney contusion - subcapsular non-expanding, confined; minor				
I / II	Minor contusion of left / right / unspecified kidney, initial encounter	S37.012A	S37.011A	S37.019A	541612.2
	MAJOR - kidney contusion - subcapsular GT 50% surface/expanding; major; large				
III	Major contusion of left / right / unspecified kidney, initial encounter	S37.022A	S37.021A	S37.029A	541614.3
	MINOR (less than 1 cm) - kidney lac - LEQ 1 cm depth of cortex; no urinary extravasation; minor				
II	Minor laceration of left / right / unspecified kidney, initial encounter	S37.042A	S37.041A	S37.049A	541622.2
	MODERATE (1 to 3 cm) - kidney lac - GT 1 cm depth of cortex, no urinary extravasation; moderate				
III	Moderate laceration of left / right / unspecified kidney, initial encounter	S37.052A	S37.051A	S37.059A	541624.3
	MULTIPLE MODERATE (1 to 3 cm) - kidney lac - extending thru cortex/medulla/collecting system; major				
	Major laceration of left / right / unspecified kidney, initial encounter	S37.062A	S37.061A	S37.069A	541626.4
	MAJOR (greater than 3 cm) (massive) (stellate) - kidney lac - extending thru cortex/medulla/collecting system; major				
IV	Major laceration of left / right / unspecified kidney, initial encounter	S37.062A	S37.061A	S37.069A	541626.4
V	Major laceration of left / right / unspecified kidney, initial encounter	S37.062A	S37.061A	S37.069A	541628.5
	KIDNEY RUPTURE (use "rupture" only when a more detailed description is not available)				
	Left / Right / Unspecified	S37.062A	S37.061A	S37.069A	541640.4