



Case courtesy of Dr Dayu Gai, Radiopaedia.org, rID: 31574.

## American Association for the Surgery of Trauma (AAST)

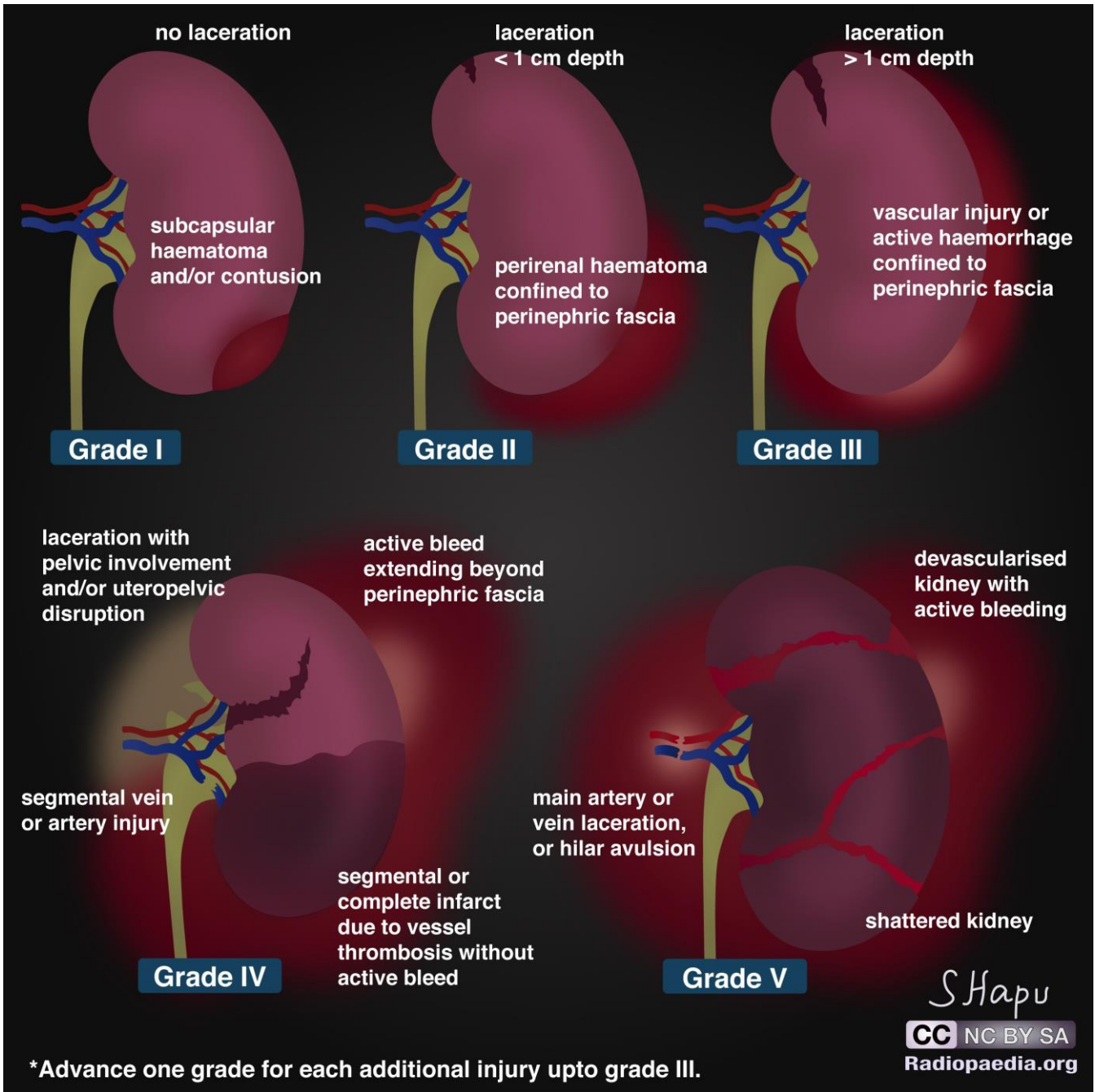
### Renal trauma classification

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

Renal trauma classification by the American Association for the Surgery of Trauma (AAST).

\*Advance one grade for bilateral injuries up to grade III.

# Renal trauma grading diagram



Case courtesy of Dr Sachintha Hapugoda, Radiopaedia.org, rID: 70451

## Shock index calculator

<https://www.mdcalc.com/shock-index#why-use>

