

Classification and staging of acute kidney injury

RIFLE criteria (Risk of renal dysfunction, Injury to kidney, Failure or Loss of kidney function, and End-stage kidney disease) to classify AKI.

	Serum creatinine	Urine output
RIFLE – RISK	$\uparrow \text{sCr} \times 1.5$	$<0.5 \text{ mL/kg/h}$ for 6 h
RIFLE – INJURY	$\uparrow \text{sCr} \times 2$	$<0.5 \text{ mL/kg/h}$ for 12 h
RIFLE – FAILURE	$\uparrow \text{sCr} \times 3$ or $>0.5 \text{ mg/dL}$ if baseline $\uparrow \text{sCreat} > 4.0 \text{ mg/dL}$	$<0.3 \text{ mL/kg/h}$ for 24 h or Anuria for 12 h
RIFLE – LOSS	Complete loss of function > 4 weeks	
RIFLE – END STAGE	End stage renal disease	

Acute Kidney Injury Network Stage

AKIN Stage

1	Serum creatinine increase $\geq 26.5 \mu\text{mol/l}$ ($\geq 0.3 \text{ mg/dl}$) OR increase to 1.5–2.0-fold from baseline	$<0.5 \text{ mL/kg/h}$ for 6 h
2	Serum creatinine increase $>2.0\text{--}3.0$ -fold from baseline	$<0.5 \text{ mL/kg/h}$ for 12 h
3	Serum creatinine increase >3.0 -fold from baseline OR serum creatinine $\geq 354 \mu\text{mol/l}$ ($\geq 4.0 \text{ mg/dl}$) with an acute increase of at least $44 \mu\text{mol/l}$ (0.5 mg/dl) OR need for RRT	$<0.3 \text{ mL/kg/h}$ for 24 h OR anuria for 12 h OR need for RRT