

INDICATION

Stratifies severity of acute kidney injury

ADDITIONAL INFORMATION

It is important to consider that an acute kidney injury may be present if the creatinine is above baseline, even if it remains within the laboratory normal range

INTERPRETATION			
RIFLE Criteria	SERUM CREATININE	GFR	URINE OUTPUT
Risk, RIFLE-R	1.5-2x above baseline	>25% decrease below baseline	<0.5 mL/kg/hr x 6 hr
Injury, RIFLE-I	>2–3x above baseline	>50% decrease below baseline	<0.5 mL/kg/hr x 12 hr
Failure, RIFLE-F (RIFLE-FO if oliguria)	>3x above baseline, 350 μmol/L / ≥4 mg/dL, or acute rise 44 μmol/L / ≥0.5 mg/dL	>75% decrease below baseline	<0.3 mL/kg/hr x 24 hr (oliguria), or anuria x 12 hrs
Loss, RIFLE-L	Persistent AKI (on renal replacement therapy for >4 weeks)		
ESRD, RIFLE-E	End stage renal disease (on dialysis for >3 months)		

For serum creatinine, GFR, and urine output, choose the criteria leading to the worst classification (e.g. if serum creatinine is at baseline but GFR is >50% below baseline, RIFLE Class is RIFLE-I)