

Acute Kidney Injury

Kidney Disease: Improving Global

Outcomes (KDIGO) Guidelines/Definition

Definitions of AKI

- Increase serum creatinine \geq 0.3 mg/dL within 48 hours
- Increase in serum creatinine \geq 1.5 times baseline within 7 days
- Urine volume $<$ 0.5 mL/kg for 6 hours

Prerenal etiologies

- ineffective perfusion
- hypovolemic states
- systolic heart failure
- NSAIDS - causing afferent arteriole vasoconstriction
- ACE/ARB medications exacerbate prerenal AKI
- low ejection fraction

Intrinsic etiologies

- Nephrotoxic medications
- ACEi/ARB medications
- NSAIDS
- Contrast media
- Among other causes...

Postrenal Etiologies

- Obstruction in the urinary tract
- Prostate disease