

Nephrology

	Prerenal Azotemia	Intrinsic RF	Postrenal Obstruction
Causes	Volume depletion, RAS, HF, Hypercalcemia, NSAID or ACE induced cyclosporine	Ischemic, contrast, vasculitis, infection	Stones, BPH, cancer, trauma
Other information	Kidney is working just not perfused	Damaged kidney, can be in the structures of the kidney	Making urine but you are not able to get rid of it
Physical exam findings	BP, dehydration	Normotensive, euvo or hypervolemic, check for allergic rxn sx	Distended bladder, enlarged prostate
Urine Sediment	Normal	Muddy brown casts, cellular debris	Normal, hyaline casts, Cellular debris
Urinary RBC/WBC	None/None	2-4+/2-4+	Variable/1+
Urine Na (mEq/L)	< 20	> 40	> 40
FeNa (%)	< 1	> 1 - 2	Variable
Uosm (mOsm/L)	> 500	<300	Variable
Spec. gravity	> 1.020	< 1.015	Variable
Proteinuria	No	Yes	No
BUN/Scr	> 20:1	£10:1	~15:1

Classifications of Acute Renal Failure

