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Date	Today	Yesterday					<ul> <li>3 Ways Low Blood pressure can cause AKI:</li> <li>1. ATN from overt hypotension</li> <li>2. Normotensive ATN</li> <li>3. BP below the autoregulatory threshold</li> </ul>		
Sodium									
Creatinine							<ul> <li>Medications Commonly a/w AKI:</li> <li>1. NSAIDs</li> <li>2. ACE/ARB: only worsen established AKI</li> <li>3. Amphotericin B: onset 5-9 days after initiation</li> <li>4. Acute interstitial nephritis (AIN) <ol> <li>Can be from almost any medication</li> <li>Only 5-10% of patients have the triad of fever, rash, &amp; esosinophilia</li> </ol> </li> </ul>		
UOP									
BP									
<b>Med</b> ications							3. Across all drug classes, fever present in 30%; rash present in 15-50%. Peripheral eosinophilia occurs in 80% cases from beta-lactate, but <1/3 of AIN from other medications. Urine eosinophils only have a sensitivity of		
Situations							and specificity of 68% in biopsy-proven AIN. WBC casts in urine w/o a U' are highly suggestive of AIN		
Contrast							Situations a/w AKI: 1. Heart failure		
Obstruction							<ol> <li>1. Theart failure</li> <li>2. Heart catherization: contrast or cholesterol emboli (cholesterol emboli typically occ 2-6wks after catheterization; 75% have skin findings)</li> <li>3. Tumor lysis syndrome</li> <li>4. Decompensated cirrhosis</li> <li>5. Thrombocytopenia: consider thrombotic microangiopathy</li> <li>6. Hemoptysis: consider anti-GBM, ANCA Vasculitis, lupus, ect</li> <li>7. Hypercalcemia</li> </ol>		
Prerenal									
Events									
Steps:							8. Recent surgery: look at anesthesia notes for hypotension		
1. Review the trend of creatinine. Diagnose AKI by finding a 0.3mg/dL increase in Cr in 48h, a rise in Cr						<ul> <li>Contrast</li> <li>1. Gadolinium does not cause AKI, but can cause nephrogenic systemic fibrosis</li> <li>2. Iodinated contrast: contrast-associated AKI is overdiagnosed; consider it to be mor a diagnosis of exclusion</li> </ul>			
1.5x baseline over 7 days, or UOP <0.5mL/kg/hr for 6h									
2. Start trending "SCRUB" for 2 days prior to the onset in AKI. Denote significant items in the "Medical SCOPE' during the same timeframe.									
							Obstruction:		
		agnoses that are	1. Consider in men who complain of Suprapublic tenderness						

- AKI, list two differential diagnoses that are clearly not causes and be prepared to say why they are not the cause of AKI.
- When presenting the patient, follow the following script: This is \_\_, a \_\_year old man/woman with a PMHx of \_. He/She presented to \_ with a chief complaint of \_. On initial evaluation, he/she was found to have the acute issues of \_. He/She was admitted on (\_ days ago) with the acute issues of \_. During the course of the hospitalization, the focus of care has been on the following issues: . Currently, the active issues are: \_\_. Starting \_\_ days ago, the patient developed AKI. Notable contributing factors in the development of AKI are (explain pertinent factors in AKI from your table).
- Say your diagnosis: "This is a \_\_year old X with worsening/stabilizing/resolving anuric/oliguric/non-5. oliguric AKI (on CKD?). The differential diagnosis for AKI etiology is highest for \_, but also includes \_. \*note: non-oliguric is >500mL UOP/day; oliguric is 100-500mL UOP/day; anuric is <100mL UOP/ day

- 2. Consider if there are large clots in urine, even with a foley
- 3. In the setting of a recent foley removal

## **Prerenal History and Exam Notes**

- 1. Pretest probability for volume depletion high for new admits; lower on subsequent hospital days
- 2. Dry axilla: LR 3.0/0.6 for volume depletion

- 3. Dry mucous membranes: LR 3.1/0.4 for volume depletion
   4. Sunken eyes: LR 3.7/0.6 for volume depletion
   5. Decreased skin turgor in subclavicular area: LR 3.5/0.3 for volume depletion

Events Associated w/ AKI: cardiac arrest, surgery, hypotension after intubation, causes of rhabdomyolysis (seizures, influenza, cocaine, trauma, extreme exertion, malignant hyperthermia, neuroleptic malignant syndrome, amphetamines), large volume paracentesis.

