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|--|-------|------------------|---|--|--|--|---|--|--|
| Date | Today | Yesterday | | | | | 3 Ways Low Blood pressure can cause AKI: 1. ATN from overt hypotension 2. Normotensive ATN 3. BP below the autoregulatory threshold | | |
| Sodium | | | | | | | | | |
| Creatinine | | | | | | | Medications Commonly a/w AKI: 1. NSAIDs 2. ACE/ARB: only worsen established AKI 3. Amphotericin B: onset 5-9 days after initiation 4. Acute interstitial nephritis (AIN) Can be from almost any medication Only 5-10% of patients have the triad of fever, rash, & esosinophilia | | |
| UOP | | | | | | | | | |
| BP | | | | | | | | | |
| Med 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 | | | | | | | 1. Theart failure 2. Heart catherization: contrast or cholesterol emboli (cholesterol emboli typically occ 2-6wks after catheterization; 75% have skin findings) 3. Tumor lysis syndrome 4. Decompensated cirrhosis 5. Thrombocytopenia: consider thrombotic microangiopathy 6. Hemoptysis: consider anti-GBM, ANCA Vasculitis, lupus, ect 7. Hypercalcemia | | |
| 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 | | | | | | Contrast 1. Gadolinium does not cause AKI, but can cause nephrogenic systemic fibrosis 2. Iodinated contrast: contrast-associated AKI is overdiagnosed; consider it to be mor a diagnosis of exclusion | | | |
| 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.

