

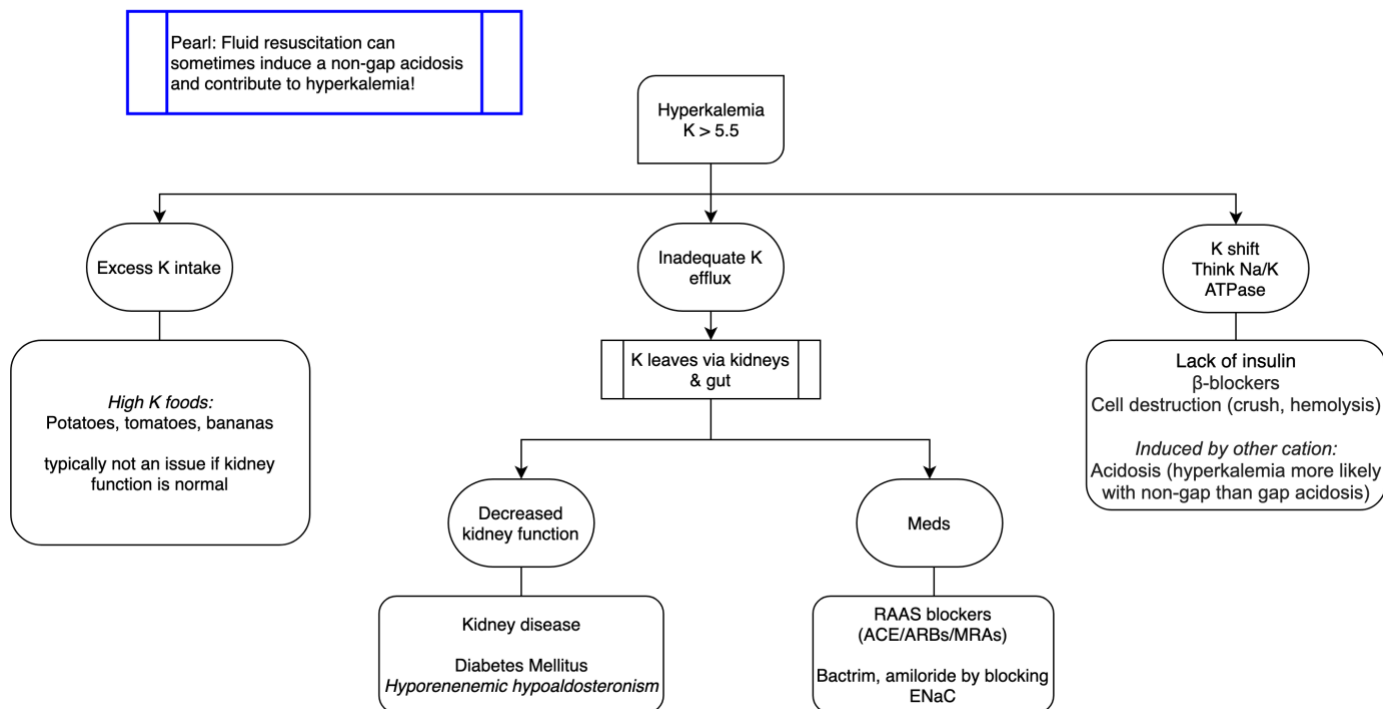
Hyperkalemia

Handout compiled by Moses Murdock (@haematognomist)

Discussant: Dr. Ankit Patel



1. Diagnostic Approach:



2. Management:

- Workup:
 - Repeat measurement: to trend and to r/o pseudohypokalemia (suspect in high WBC or tubes sitting out for prolonged periods of time)
 - **Get EKG:** peaked T-waves → increased PR interval → QRS widened → sine wave
- Treatment:
 - Stabilize cardiac membrane: Calcium gluconate
 - Shift K:
 - Insulin: activates Na/K ATPase (consider dextrose if glucose < 250)
 - β-agonist (exp: albuterol) 10X dose than used for COPD
 - Eliminate K through:
 - Urine: loop diuretics (can give IVF simultaneously, very effective!)
 - GI system:
 - a. kayexalate (can cause ischemic necrosis/ischemic colitis and perforation – watch out in patients w/ gut pathology.
 - b. New, safer alternatives (exp: Patiromer, Sodium Zirconium cyclosilicate)
 - Dialysis: patients already on dialysis → consider extra session.