

Diuretics

Other diuretics: acetazolamide and the potassium sparing diuretics

Acetazolamide and the potassium sparing diuretics are diuretics but that is incidental to their primary indication.

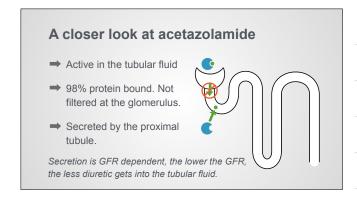
We select these drugs for some other characteristic of the drug.

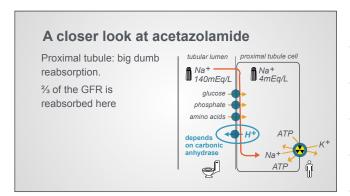
Acetazolamide:

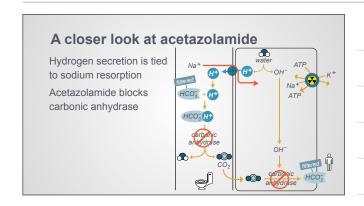
- → Metabolic alkalosis
- ➡ Preventing altitude sickness
- ➡ Glaucoma/pseudotumor cerebri

Potassium sparing diuretics:

- → Blood pressure
- → Hypokalemia
- → Heart failure





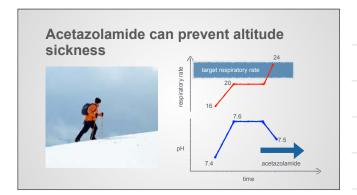


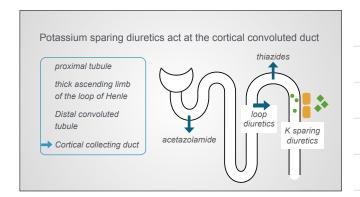
Acetazolamide increases the renal excretion of sodium, potassium and bicarbonate

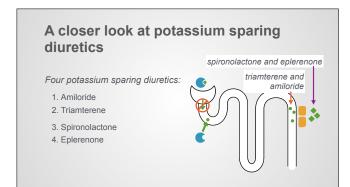
Proximal RTA or RTA type 2

Therapy for metabolic alkalosis

Adjuvant therapy to prevent seizures



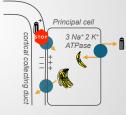




Triamterene and amiloride block the sodium channel in the cortical collecting tubule. This channel is called the epithelial sodium channel, eNaC.

distal convoluted tubule

Principal cell



Spironolactone and eplerenone are steroid hormones that regulate gene transcription.

Decrease expression of eNaC, Na K-ATPase and potassium channels.

