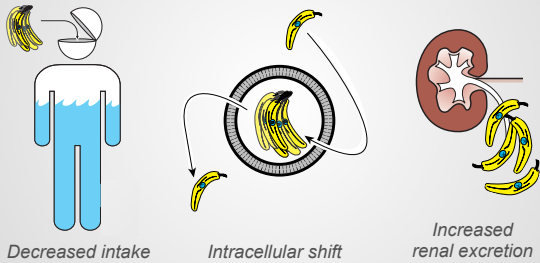




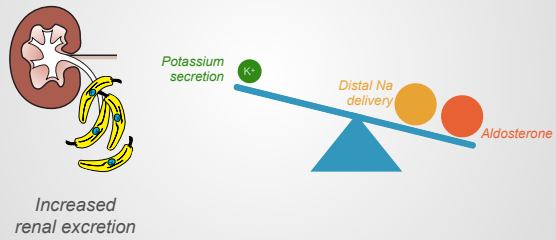
Hypokalemia

Increased renal losses:
Primary hyperaldosteronism

Three processes of hypokalemia



Increased renal excretion



Increased renal excretion

Secondary hyperaldosteronism Diuretics
Salt wasting nephropathies
Vomiting

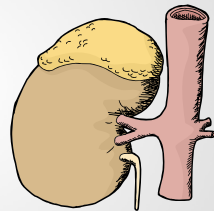
→ **Primary hyperaldosteronism** Actual
Apparent

Unreabsorbable anions Proximal RTA
Drugs

Potassium wasting nephropathy Polyuria
Distal RTA
Hypomagnesemia

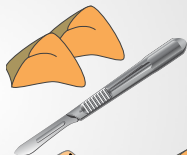
→ **Primary hyperaldosteronism** Actual

Unregulated, and autonomous
release of excess aldosterone



→ **Primary hyperaldosteronism** Actual

Bilateral adrenal hypertrophy



*Functional adenoma in a single
gland (Conn's Syndrome)*



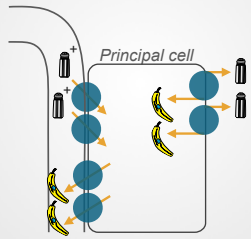
➔ **Primary hyperaldosteronism** Actual

It's a syndrome:

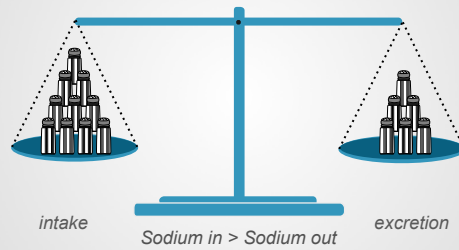
- ➔ Hypertension (often resistant)
- ➔ Hypokalemia
- ➔ Metabolic alkalosis
- ➔ Hypernatremia (rare)



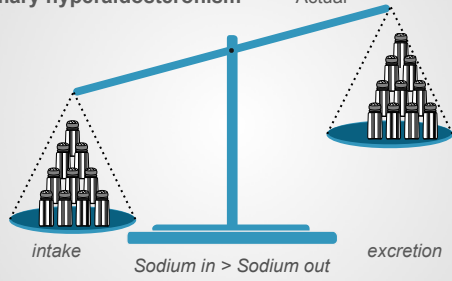
➔ **Primary hyperaldosteronism** Actual



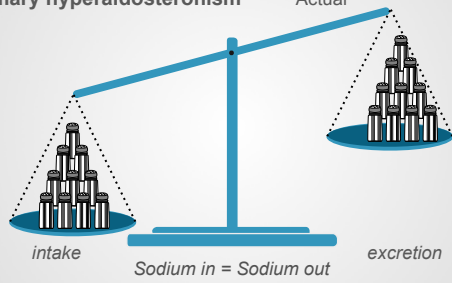
➔ **Primary hyperaldosteronism** Actual



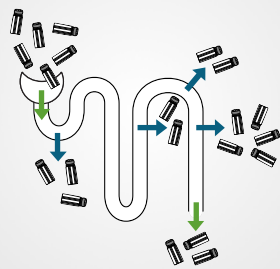
→ Primary hyperaldosteronism Actual



→ Primary hyperaldosteronism Actual



→ Primary hyperaldosteronism Actual



→ Primary hyperaldosteronism