Cheatography

Renal Physiology and Failure Cheat Sheet

by ThereamDream via cheatography.com/150423/cs/45345/

Physiology

Proximal tubule:	all electrolytes, glucose and amino acids
Descending Henle:	WATER
Ascending Henle:	Na-K-2Cl Ca, Mg (passively)
Distal tubule:	Na-Cl Ca (PTH)
Collecting duct:	Water (ADH) Na (aldosterone) K, H excretion (aldosterone)

Physiology

acid-base balance: $HCO3^-$ reabsorption, H^+ excretion

electrical neutrality: Cl^- follows Na^+

PTH → Ca reabsorption, PO4 excretion

Failure

Hypervolemia

hypoNa

HyperK

hypoCa

HyperPO4

HyperMg

Metabolic acidosis

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Page 1 of 1.

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