

## Hematologic

- Anemia
- Bleeding
- Infection

## Mineral & Bone Disorders

- ↓ Ca<sup>++</sup>/ ↑ Phos.
- ↓ Activation Vit. D
- ↑ PTH
- Soft bones
- Vascular & soft tissue calcifications

## Cardiovascular

- Ca<sup>++</sup> deposits I/t stiff blood vessels
- Dysrhythmias d/t ↑ K<sup>+</sup>
- ↓ Coronary and artery perfusion



## Hypertension *CONTROL BP!*

- ↑ ECF, Na<sup>+</sup> retention
- ↑ Renin

## Metabolic

- ↓ GFR =
- ↑ BUN, ↑ Cr.

## Waste

## Altered Carbohydrate Metabolism

- Impaired glucose met. I/t ↑ insulin

## Triglycerides

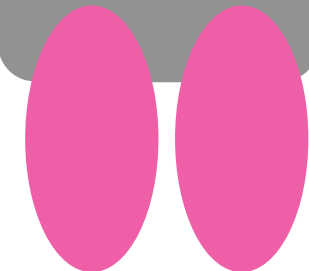
- ↑ Triglycerides
- ↑ LDL
- ↓ HDL

## Acid/Base Imbalance

- ↑ K<sup>+</sup> = Metabolic acidosis

# CKD

## Respiratory



- Kussmaul
- FVO
- Pulm. Edema

## GI

- Stomatitis

## Neurological

- ↑ BUN I/t seizure, coma
- ↑ Nitrogenous waste
- Hyperintensive encephalopathy

## Integumentary

- Pruritis

## Psychological

- Depression

## Reproductive

- Infertility