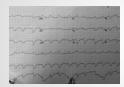


# Hypokalemia



Defined as a potassium level < 3.5 mmol/L

Moderate hypokalemia is a serum level of < 3.0 mmol/L

Severe hypokalemia is defined as a level < 2.5 mmol/L

# Three processes of hypokalemia Increased renal excretion

# **Decreased potassium intake**

- ⇒ Rarely the sole etiology of hypokalemia
- → Causes more total body potassium depletion than hypokalemia
- → Contributing factor in other primary etiologies of hypokalemia

### **Decreased potassium intake**



Decreased intake

- → With decreased intake daily potassium losses can be as low 10 mmol/day
- → Total body potassium is 4,000 mmol

945 outpatients with eating disorders → anorexia nervosa → bulimia ⇒ both



# Alcohol: decreased potassium intake?



Renal leak of

- → Potassium
- → Phosphorous
- → Magnesium ✓

Eating disorders Starvation Alcoholism

All cause altered potassium physiology but do not cause hypokalemia by decreased oral intake

