

# ELECTROLYTE ABNORMALITIES

## Hypokalemia

### Respiratory

Shallow breathing

### Musculoskeletal

Hyporeflexia

Weakness

### Cardiovascular

Thready weak pulse

Dysrhythmia

Orthostatic hypotension

### Neurologic

AMS

Lethargy

### GI/GU

Hypoactive bowel sounds

Constipation

Nausea /vomiting

## Hyperkalemia

### Cardiovascular

Bradycardia

Hypotension

Tall, peaked Twaves

Prolonged PR interval

Wide QRS

Asystole

VFib

### Neurologic

Paresthesia

Weakness

### GI/GU

Diarrhea

Spastic colon

Hyperactive bowel sounds

## Hyponatremia

### Neurologic

Cerebral edema

Increased ICP

Weakness

### GI/GU

N/V/D

Cramps

### Cardiovascular

Hypovolemia

Weak thready pulse

Tachycardia

Hypotension

Dizziness

Hypervolemia

Bounding pulse

Hypertension

## Hypernatremia

### Neurologic

Lethargy

Irritability

Confusion

Drowsy

Stupor

### Musculoskeletal

Twitching

Decreased DTR

Muscle weakness

### Cardiovascular

Hypovolemia

Hypotension

Hypervolemia

Bounding pulse

Hypertension

# ELECTROLYTE ABNORMALITIES

## Hypocalcemia

### Neurologic

Paresthesia's

Tetany

### Cardiovascular

Irregular heartbeat

Hypotension

Prolonged ST

Prolonged QT

### GI/GU

Hyperactive bowel sounds

Diarrhea

### Musculoskeletal

Osteoporosis

### Nursing Assessment

Chvostek's Sign

Trousseau's Sign

## Hypercalcemia

### Neurologic

Weakness

↓DTR

Altered LOC

### Cardiovascular

Bradycardia

Cyanosis

Shortened QT

↑DVT

### GI/GU

↓peristalsis

Constipation

N/V

Hypoactive bowel sounds

Abdominal pain

## Hypomagnesemia

### Neurologic

↑DTR

Numbness

Painful contractions

Muscle weakness

Tetany

Seizures

## Hypermagnesemia

### Cardiovascular

Bradycardia

Vasodilation

Hypotension

Prolonged PR

Widened QRS

### Neurologic

Decreased LOC

Decreased respiratory drive

↓DTR