### Hyponatremia

- < 135
  - Cerebral edema
  - Tachycardia
  - Hypotension
  - OH
  - Muscle weakness
  - Decreased deep tendon reflexes
  - Increased GI motility
  - Hyperactive bowel sounds

### Hypernatremia

- > 145
  - Cells are dehydrated
  - Irritability
  - Muscle twitching
  - Increased deep tendon reflexes
  - Increased GI motility
  - Hyperactive bowel sounds

### Hypokalemia

- < 3.5
  - Weak irregular pulse
  - Muscle weakness
  - Muscle cramping
  - Hypoactive reflexed
  - Paresthesias
  - Mental confusion
  - PVCs
  - Bradycardia
  - V-tach
  - Inverted T waves
  - Decreased GI motility
  - Constipation
  - Abdominal distention
  - Dilute urine

### Hyperkalemia

- > 5.0
  - Slow, irregular pulse
  - Hypotension
  - Weakness
  - Paresthesias
  - V-flb
  - Peaked T waves
  - Widened QRS
  - Increased GI motility
  - Diarrhea
  - Hyperactive bowel sounds
  - Oliguria

### Hypocalcemia

- < 9.0
  - Muscle twitches, muscle spasms
  - Hyperactive deep tendon reflexes
  - Chvostek’s and Trousseau’s +
  - Decreased heart rate
  - Hypotension
  - Prolonged QT interval
  - Hyperactive bowel sounds
  - Diarrhea
  - Abdominal cramping

### Hypomagnesemia

- < 1.2
  - Hyperactive deep tendon reflexes
  - Paresthesias
  - Muscle tetany
  - Chvostek’s and Trousseau’s +
  - Hypoactive bowel sounds
  - Constipation, abd distention
  - Paralytic ileus