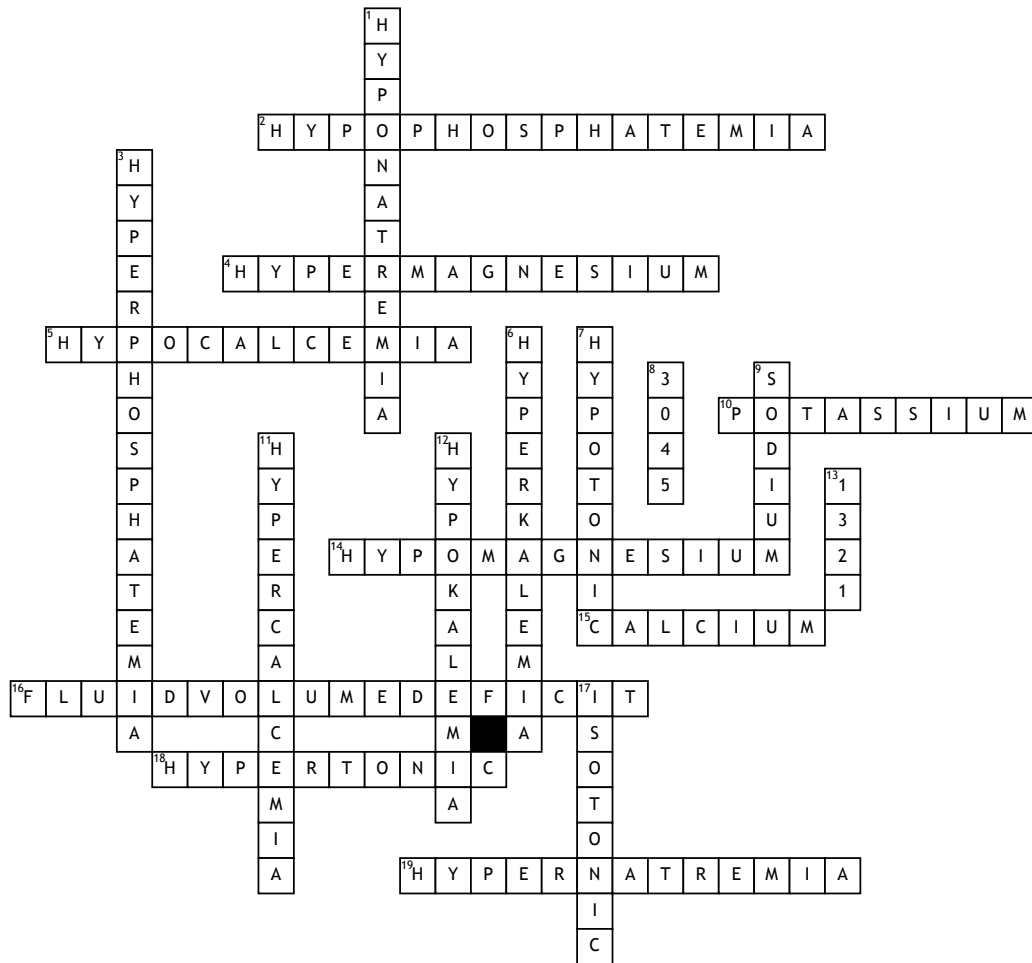


Fluid and Electrolytes



Across

2. CNS Depression, Muscle Weakness, Seizure, Osteomalacia
 4. Lethargy, drowsiness, Decreased Pulse/Bp, Muscle Weakness, Diminished DTR, N/V
 5. Chvostek's Sign, Trousseau's Sign, Tetany, Seizures, Fatigue
 10. 3.5-5
 14. Confusion, Tremors, Hyperactive DTR, Increased Pulse/BP, Insomnia, Muscle Cramps
 15. 9.0-10.5

16. Loss of Fluids From the Cells and Tissue

18. Initially expands and raises the osmolality in ECF(D5 1/2NS & D10W)
 19. WW. Seizures, Coma, Restlessness, Irritability, Muscle twitching to the point of weakness

Down

1. Caused by: GI Loss, SIADH, Water Intoxication, NPO Status
 3. Caused by : Renal Failure, Enemas containing Phosphorus, Chemotherapy Drugs

6. Caused by: Renal Failure, Adrenal Insufficiency, Acidosis

7. More Water than electrolytes(0.45% NaCl and D5W)
 8. Phosphorus
 9. 135-145
 11. Lethargy, Decreased reflexes, confusion, Bone Pain, Fractures
 12. Muscle Weakness, cramping, dysrhythmias, Flat/ Inverted T Waves
 13. Magnesium
 17. Same osmolality as body fluid(NS 0.9 NaCl & lactated ringers)

Word Bank

Hypermagnesium
 Hypomagnesium
 1.3-2.1
 Fluid Volume Deficit
 Hypokalemia

Potassium
 Hyperkalemia
 Hypernatremia
 Hypercalcemia
 Isotonic

3.0-4.5
 Hyperphosphatemia
 Calcium
 Hypocalcemia
 Hypertonic

Sodium
 Hypotonic
 Hyponatremia
 Hypophosphatemia