# Urea/Electrolyte/Creatinine Interpretation

### Causes of Hyponatremia

Dilutional (water excess), CCF, hypoproteinaemic states, SIADH, severe diarrhea/vomiting, hyperglycemia

### Causes of Hypernatremia

Volume depletion (vomiting/diarrhea), Cushing’s syndrome, diabetes insipidus, DKA

### Causes of Hypokalemia

Diuretics, Cushing’s disease, vomiting, renal tubular acidosis, salbutamol, decreased levels of Magnesium

### Causes of Hyperkalemia

Acute/chronic kidney injury, drugs (NSAIDs), Addison’s disease, massive blood transfusion, acidosis, rhabdomyolysis

### Causes of Hypocalcemia

Drugs (loop diuretics), CKD, decreased levels of magnesium, hypoparathyroidism, vitamin D deficiency

### Causes of Hypercalcemia

Drugs (thiazide diuretics), bony metastasis, myeloma, primary PTH, excessive vitamin D intake

### Causes of Hypophosphatemia

Vitamin D deficiency, re-feeding syndrome, poor nutrition, alcohol

### Causes of Hypomagnesemia

Diuretics, severe diarrhea, DKA, alcohol, decreased levels of Calcium, phosphate and potassium