

Hyperkalemia

Hiker-banana

As the kidneys continue to fail, excretion of wastes and electrolytes, such as potassium, are negatively affected. Build up of potassium in the body can lead to negative cardiac consequences.

Mineral and Bone Disorders

Mineral-miner and Bones Disordered

In patients with chronic kidney disease, improper renal filtration fails to remove excess phosphorus from the blood. An increase in phosphorus can cause a subsequent decrease in calcium level. When the body senses that calcium levels are low, parathyroid hormone is secreted, which acts to draw calcium from the bones. This process can lead to osteomalacia or softening of the bones.

Neuropathy

Wavy Neuron

Neuropathy can develop from the increased accumulation of waste products, electrolyte imbalances, and metabolic acidosis associated with kidney failure. Dialysis may be needed to correct the various imbalances and to slow the progression of the neuropathies.