**HYPOPARATHYROIDISM**

**Signs and Symptoms:**

Cardiovascular: Decreased contractility of heart muscle

Decreased cardiac output

Prolongation of QT and ST intervals on ECG

Dysrhythmias

Neurologic: Personality changes

Psychiatric manifestations of depression, anxiety, psychosis

Irritability

Memory impairment

Headache, increased intracranial pressure

Seizures

Positive Chvostek’s sign or Trousseau’s phenomenon

Tremor

Paresthesias of lips, hands, feet

Hyperactive deep-tendon reflexes

Disorientation, confusion (in older adult)

Renal: Urinary frequency

Urinary incontinence

Visual: Eye changes, including lenticular opacities, cataracts, papilledema

Gastrointestinal: Abdominal cramps

Fecal incontinence (in older adult)

Malabsorption

Integumentary: Dry, scaly skin

Hair loss on scalp and body

Brittle nails, transverse ridging

Changes in developing teeth, lack of tooth enamel

Musculoskeletal: Fatigue

Weakness

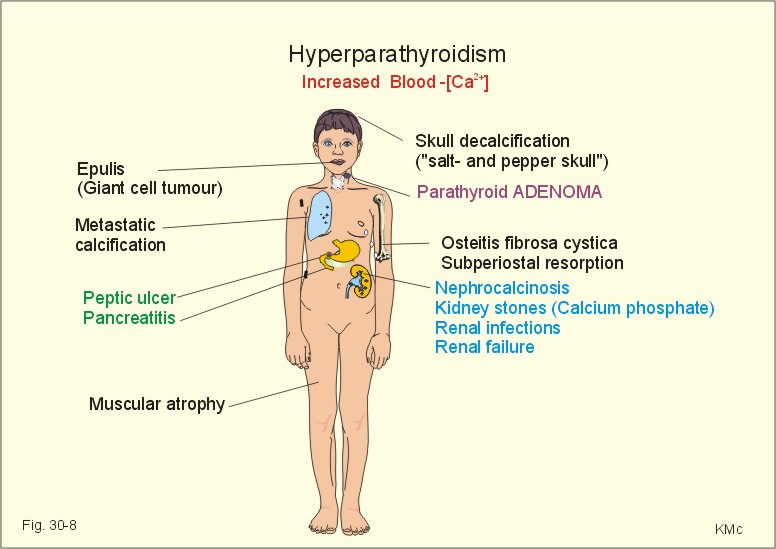
Painful muscle cramps

Skeletal x-ray changes, osteosclerosis

Soft tissue calcification

Difficulty in walking

(Lewis, Dirksen, Heitkemper, Bucher, et al & Camera, 2011)

[](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&cad=rja&docid=lYZHmHWlOOmeUM&tbnid=gcPhSGCzj7KOiM:&ved=0CAUQjRw&url=http://www.zuniv.net/physiology/book/chapter30.html&ei=L0wJUbWeHoWFyQHasIHgDw&bvm=bv.41642243,d.aWc&psig=AFQjCNEsRaxpn8TlQK_iGANKMypZ0IG38A&ust=1359650202696318)

(Paulev-Zubieta).

Paulev-Zubieta. (n.d.). *New human physiology*. Retrieved from <http://www.zuniv.net/physiology/book/chapter30.html>

Lewis, S., Dirksen, S., Heitkemper, M., Bucher, L., & Camera, I. (2011). *Medical-surgical nursing: Assessment and management of clinical problems* (8th ed.). St. Louis: Mosby.