Parathyroid Physiology

## Parathyroid Hormone

* Function
* Calcium Regulation
* Effects
* Increase serum calcium
* Synthesis
* Gene Transcription
* Control
* Hypocalcemia stimulates via CaSR
* Eucalcemia inhibits via CaSR
* Vitamin D inhibits via VDR
* Secretion
* CaSR Signaling
* Regulation
* Hypocalcemia stimulates
* Hypercalcemia inhibits
* Hyperphosphatemia stimulates
* Magnesium Effects
* Response
* Mild deficiency stimulates
* Severe deficiency inhibits
* Receptors
* PTH1R
* Location
* Bone
* Actions
* Osteoblast activation
* Osteoclast stimulation
* Calcium liberation
* Kidney
* Actions
* Calcium reabsorption
* Phosphate excretion
* Vitamin D activation