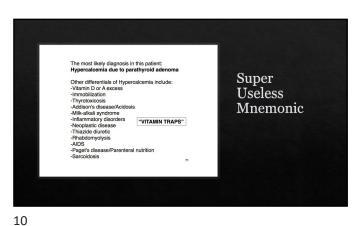


Hypercalcemia

Mostly primary hyperparathyroidism outpatient (70%) and sometimes inpatient (20%)
Cancer causes half (50%) of inpatient hypercalcemia
Hyperparathyroidism and cancer cause 90% of all elevated calcium levels



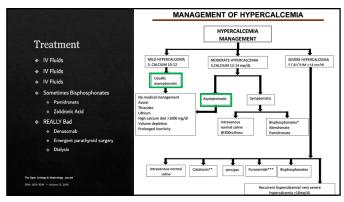
9

Hypercalcemia Symptoms

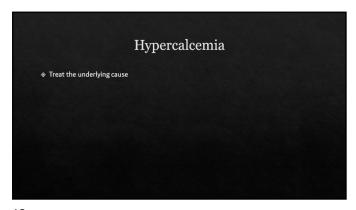
Mild (corrected calcium 10.5-11.9 mg/dt.)
Neuropsychiatric Anniety, depression Cognitive dyntruction Comition and Cognitive dyntruction Comma

Gastrointestinal Anorexia, nausea, constipation Constipation Renal Polyuria Dehydration Renal insufficiency, dehydration Renal Cardiac Shortened QT interval Shortened QT interval Anniety, cardiac Weakness Weakness Wote Information from Inzucchi (2004); Ahmed & Hashiba (1988); Kiewiet, Ponssen, Janssens, & Fels (2004).

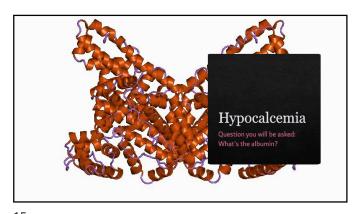
Bones Stones Moans Groans

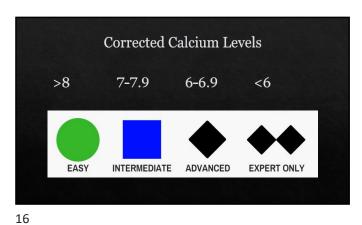


11 12

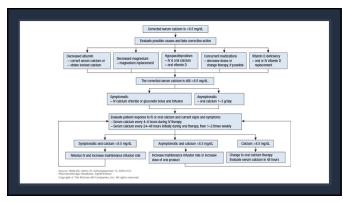


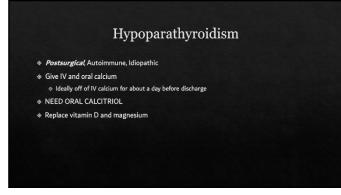






15

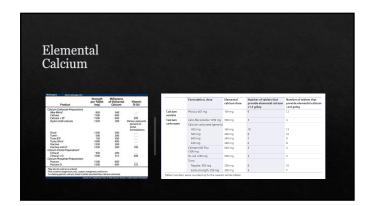




17 18

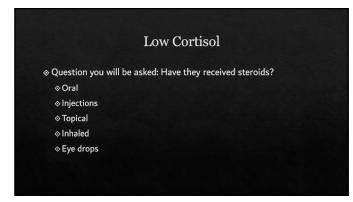










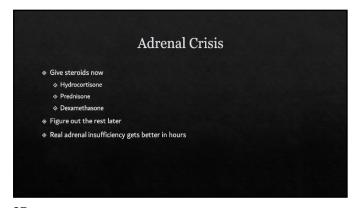


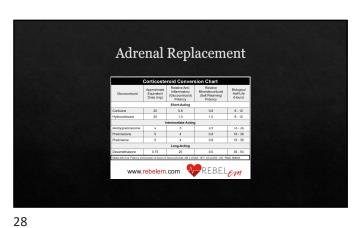
12/21/2021





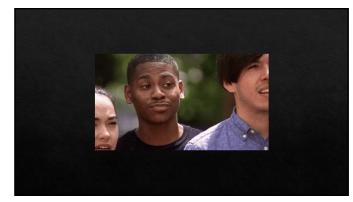
25 2





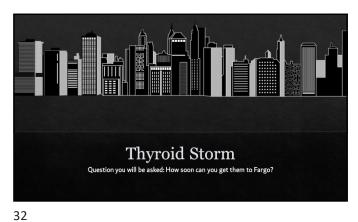
27 2





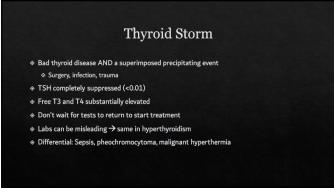
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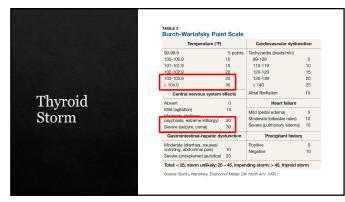








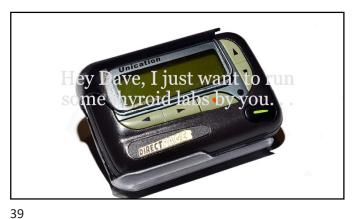


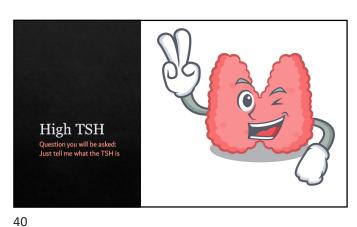


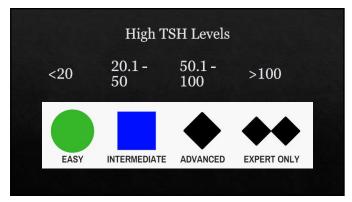


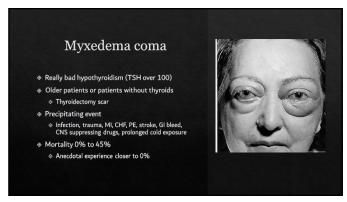
Thyroid Storm Pearls ♦ Call for help ASAP: ICU, endocrine, pharmacy, cardiology ♦ Just about any beta blocker will work $\ensuremath{\diamond}$ The OR sometimes has SSKI or Lugol's solution ♦ Don't forget about sepsis

37 38

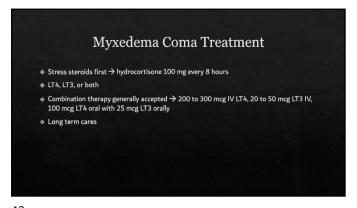


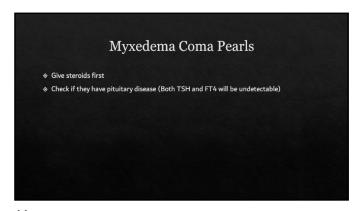






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45 46