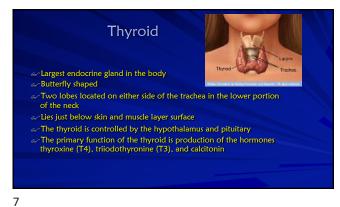
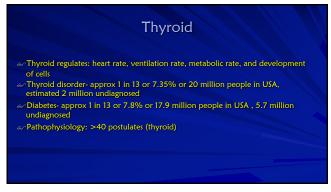


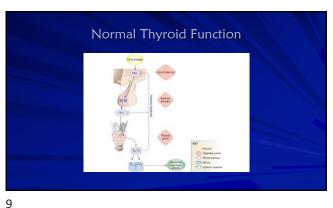
Thyroid ar Thyroid is an endocrine gland a√ Two types of glands ≈ Endocrine system is a control system of ductless endocrine glands that secrete hormones (chemical messenger) that circulate within the body via the bloodstream or lymph system to affect distant organs * Pituitary gland * Thyroid * Adrenal glands * Gonads (testes and ovaries)

5

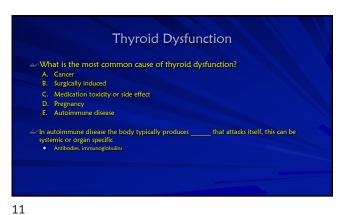


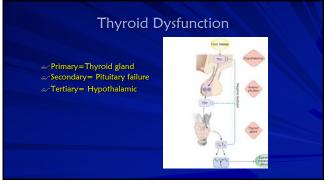


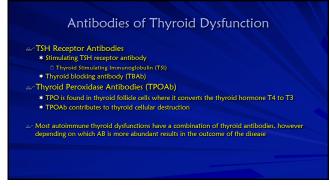


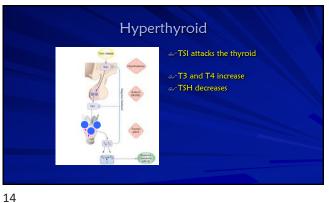


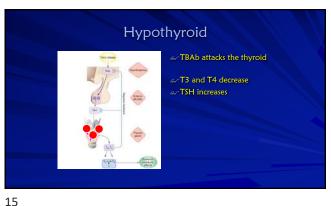


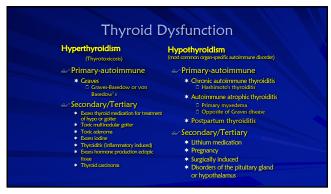


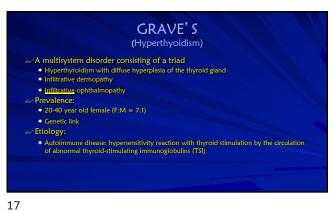


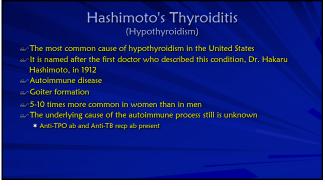


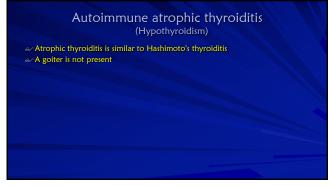


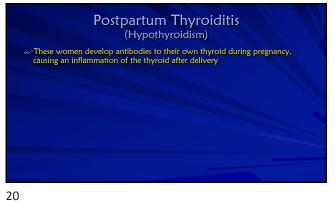


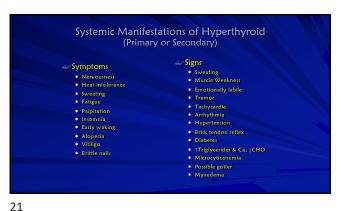




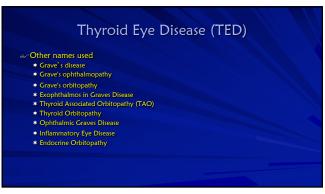


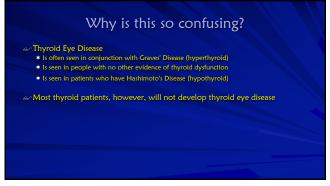


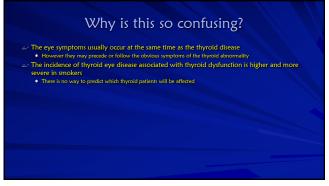




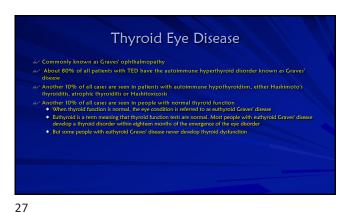


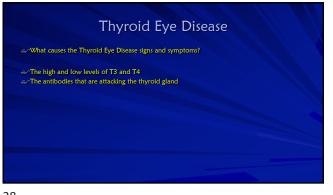


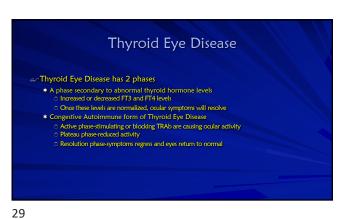




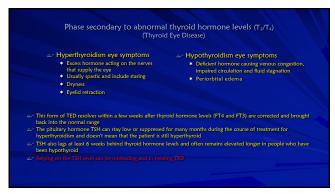








28 29



Congestive Autoimmune form of Thyroid Eye Disease (Active phase, Plateau phase, Resolution phase)

Caused by both stimulating and blocking TSH receptor antibodies (TRAb) and also immune system chemicals known as cytokines

Secondary targets appear to be TSH receptor antigens (epitopes) located on orbital fibroblasts as well as dermal fibroblasts

Active "inflammatory" phase of TED varies

Symptoms resolve quickly although on average the active phase lasts about 12-18 months

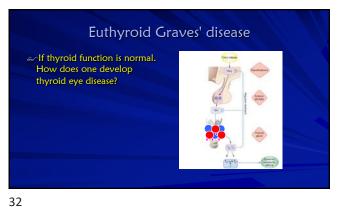
TRAb levels are high, patients are smokers, nutrient deficiencies are present, or the patient continues to be exposed to environmental triggers such as excess dietary lodine, the active phase can last as long as 5 years

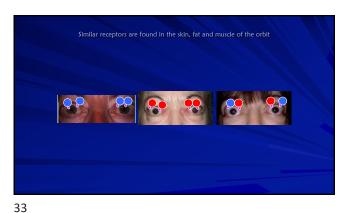
Avoid any lid, muscle or orbital surgery

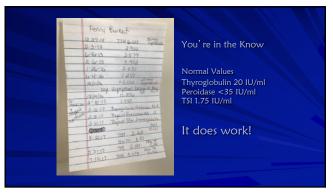
Plateau phase and Resolution "Passive" phase

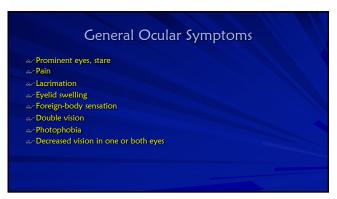
An individual may be left with structural changes, such as eye protrusion, cyclid retraction, and in some cases, double vision

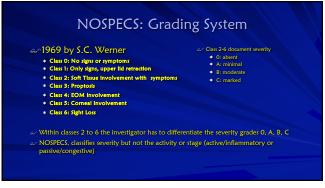
There are corrective procedures that can be performed to address these problems

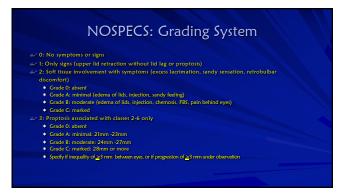


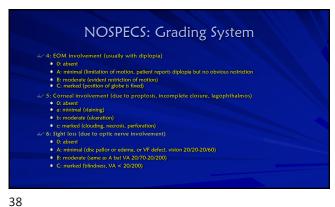






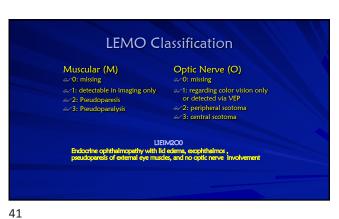


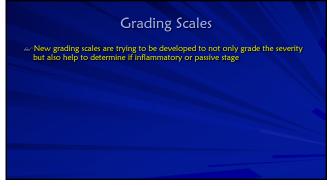








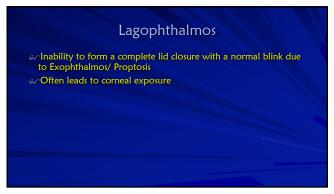


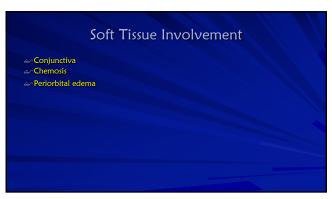










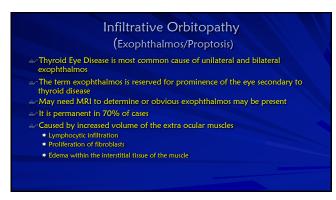


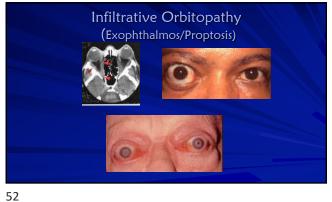
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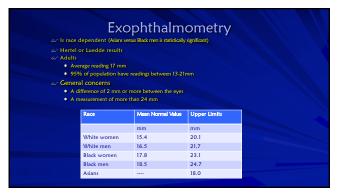


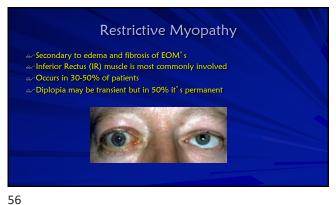


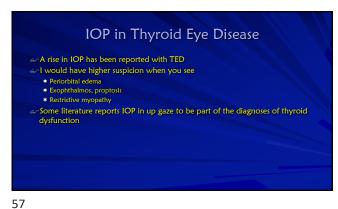


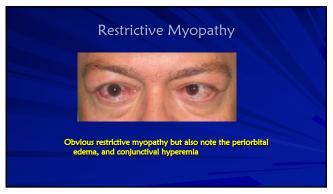


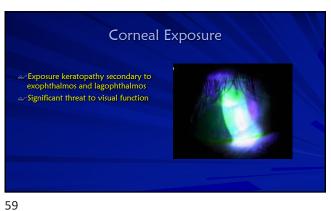


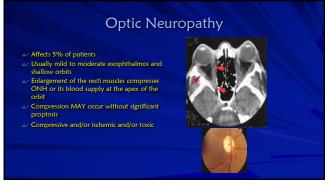


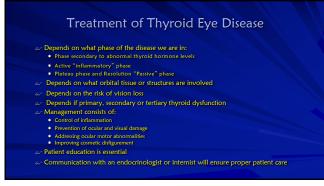




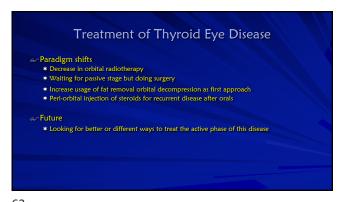










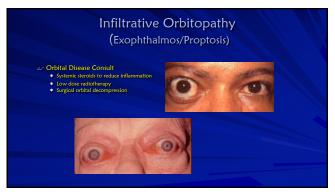






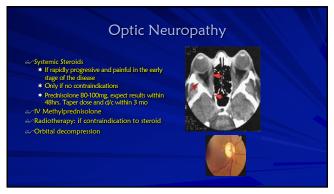
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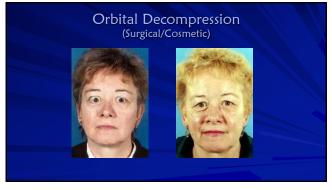


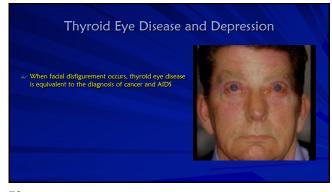




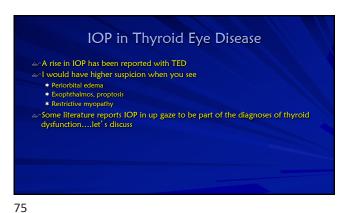


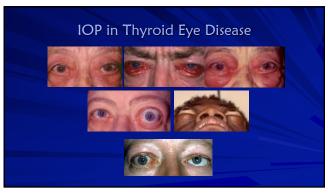
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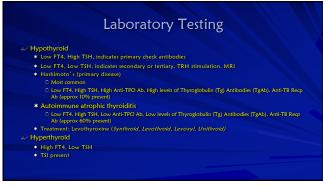


































Questions?
Thank You!

Happy 20/20!
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