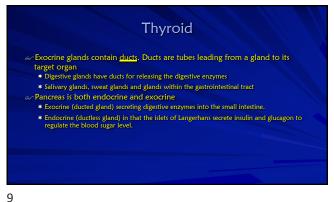
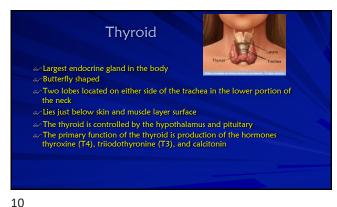
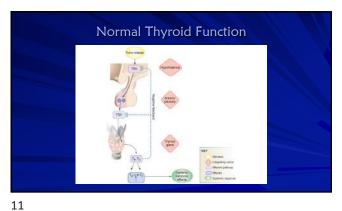


Thyroid Two types of glands * Exocrine ∠Endocrine system is a control system of <u>ductless</u> endocrine glands that
secrete hormones (chemical messenger) that circulate within the body via the
bloodstream or lymph system to affect distant organs * Hypothalamus * Gonads (testes and ovaries) * Parathyroid glands

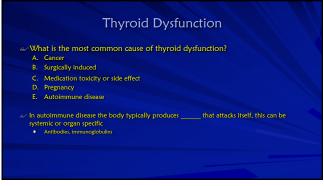
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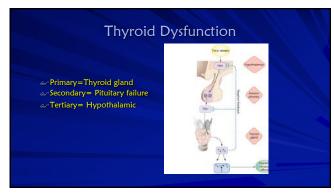


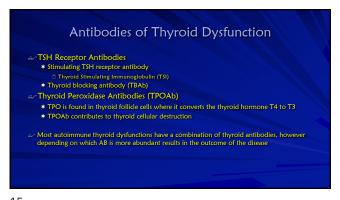


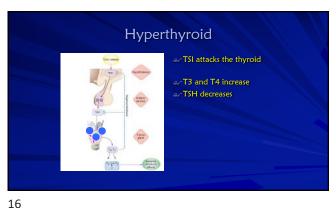


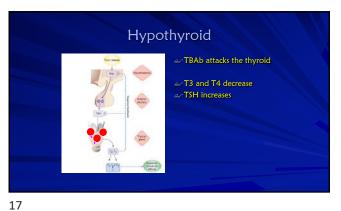




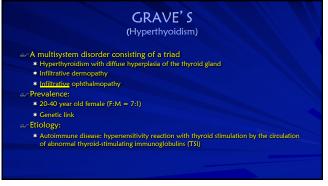






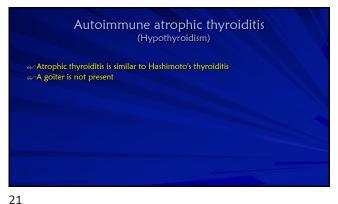


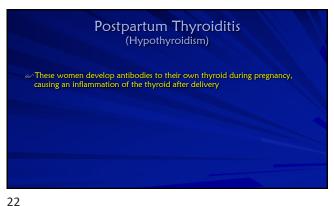
Thyroid Dysfunction Hyperthyroidism Hypothyroidism Secondary/Tertiary * Lithium medication
* Pregnancy Surgically induced
 Disorders of the pituitary gland
 or hypothalamus 18



Hashimoto's Thyroiditis (Hypothyroidism) € The most common cause of hypothyroidism in the United States er It is named after the first doctor who described this condition, Dr. Hakaru Hashimoto, in 1912 Autoimmune disease The underlying cause of the autoimmune process still is unknown * Anti-TPO ab and Anti-TB recp ab present

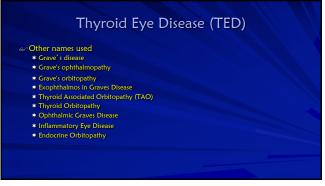
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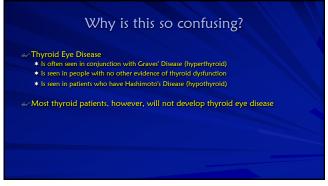




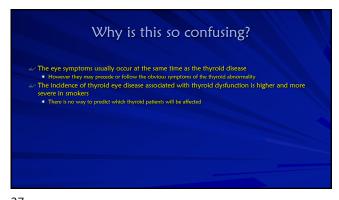


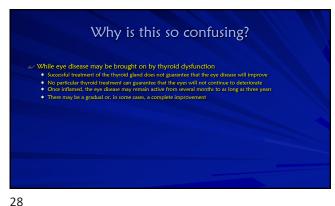


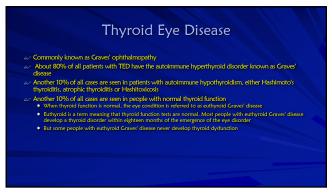


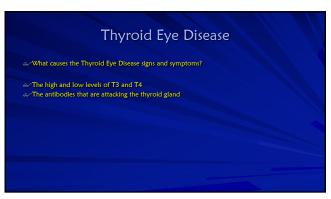


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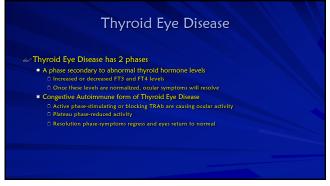


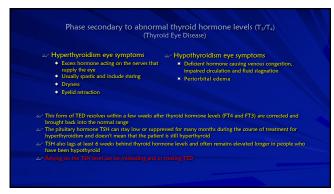






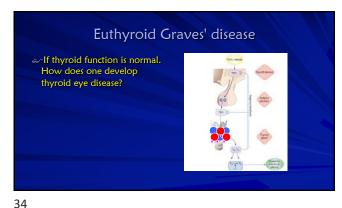
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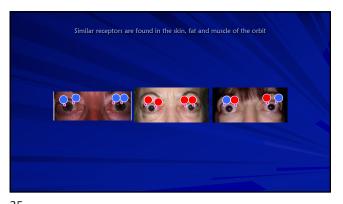


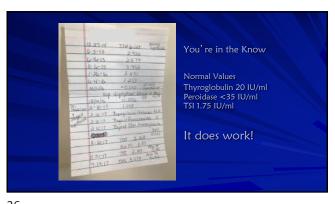


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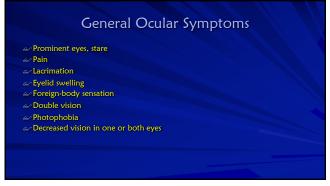


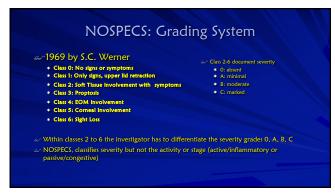




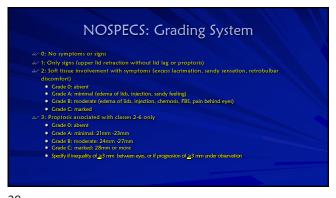


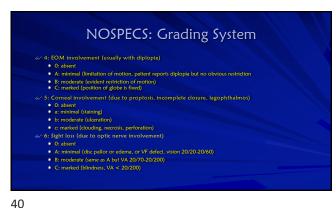
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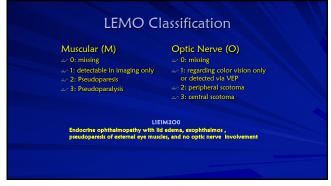
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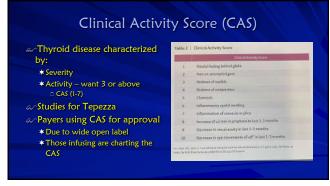












43 44









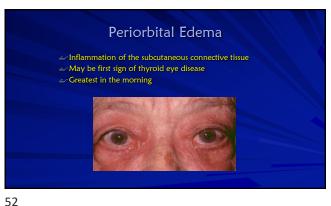
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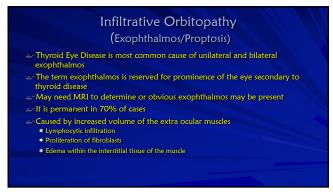


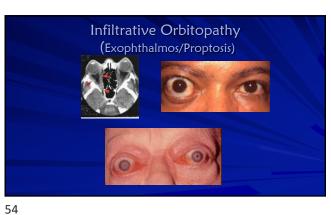


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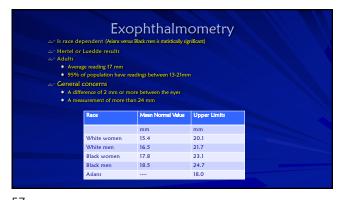


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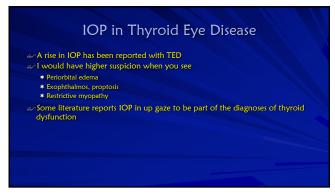


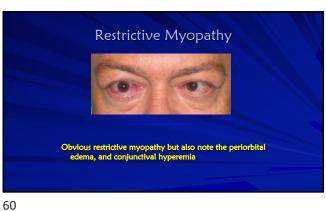


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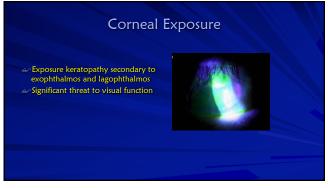


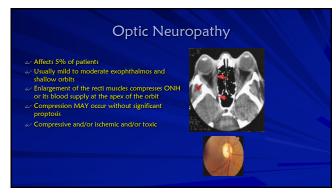




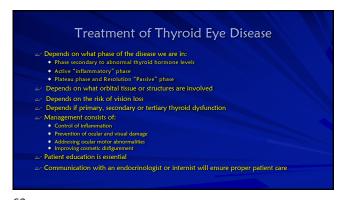


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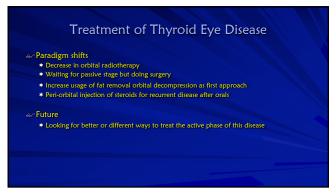




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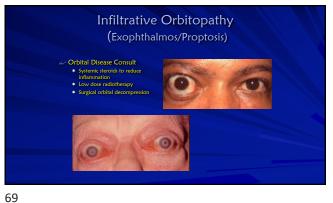


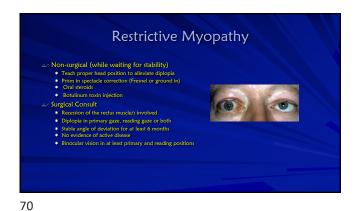
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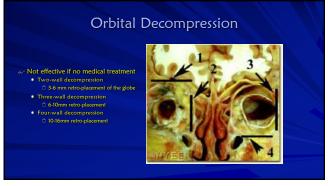
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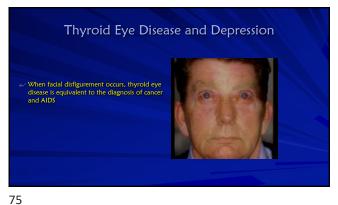




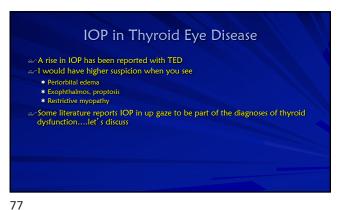


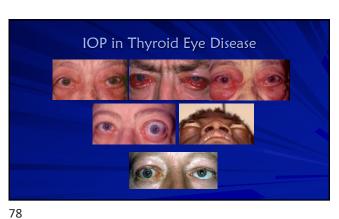


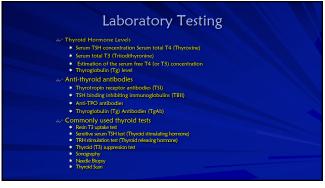
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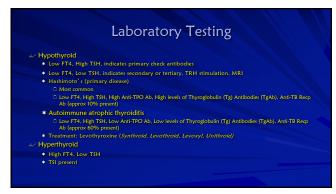




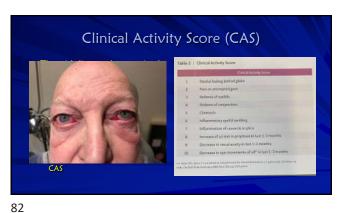
















March 1, 2019 (4 days later) Oral and Topical Steroids



85







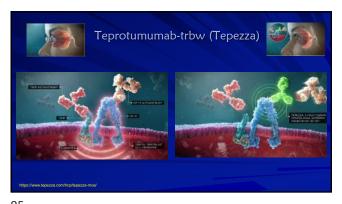






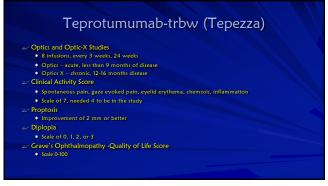






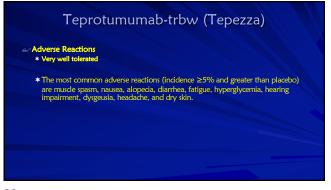


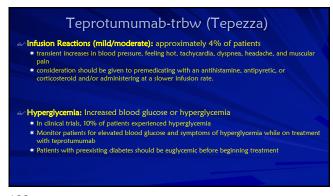
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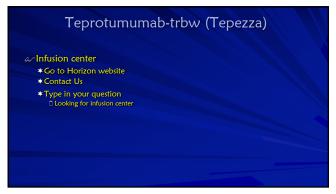




97 98









101 102

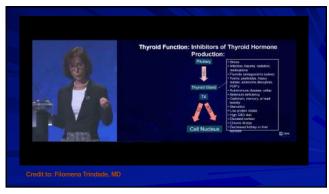




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107 108

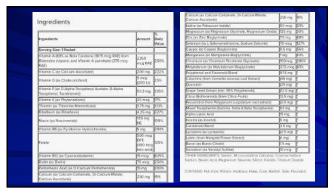


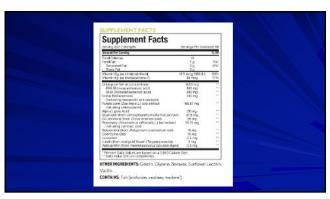


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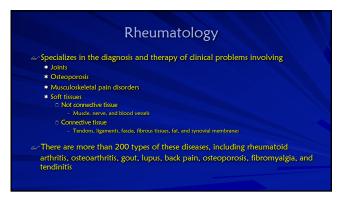




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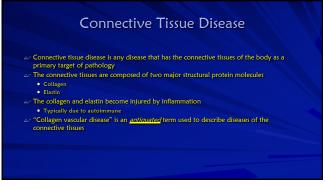


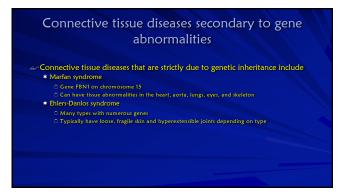






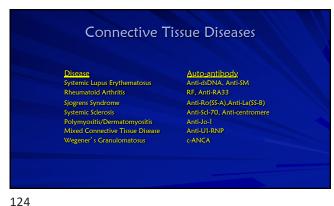
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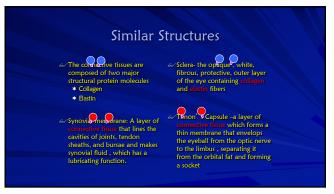




121 122







53 year old woman

A Referred for treatment for a red OS

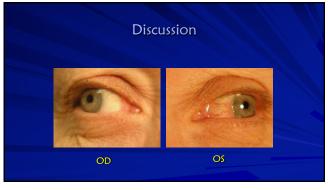
3 weeks ago sudden onset of red eye

No pain, just feels like eyestrain

At times it's worse at times it's better

5 years ago same eye was red, it resolved without treatment

125 126





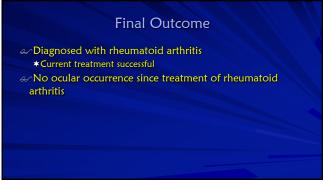
127 128













133 134









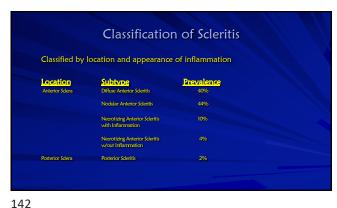
137 138

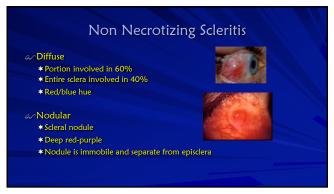




139 140





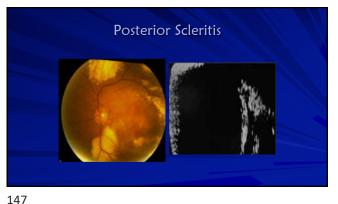








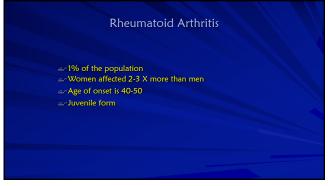
145 146

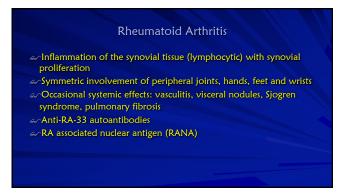










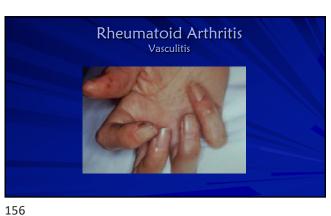


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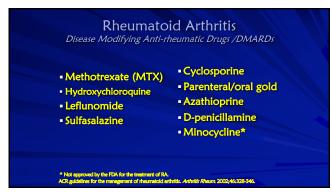




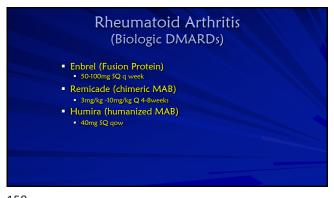


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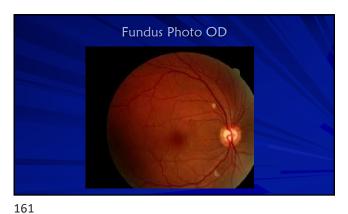


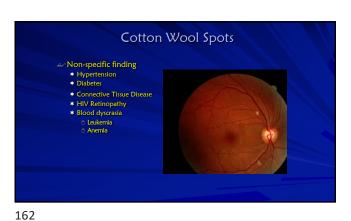


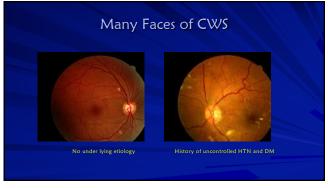
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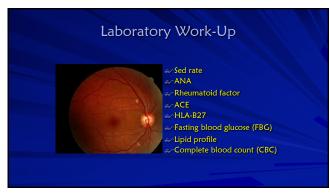




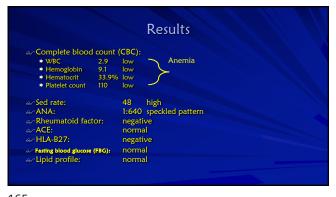


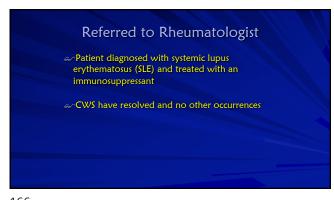


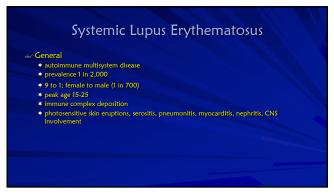


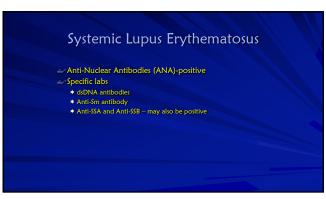


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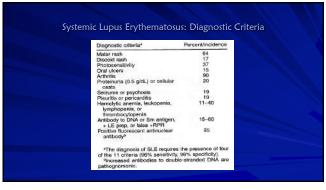


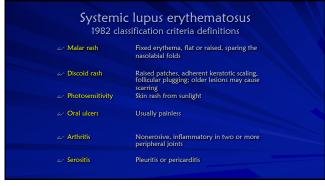






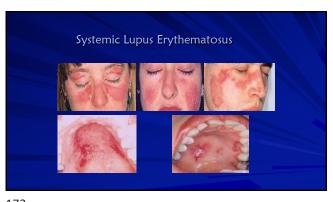
167 168





169 170



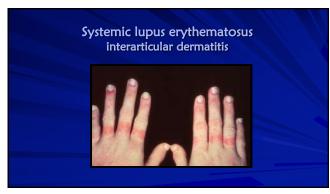




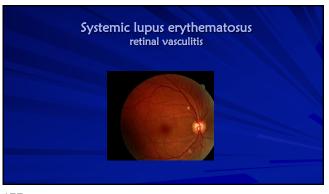


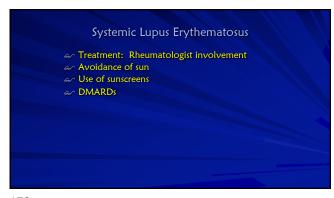
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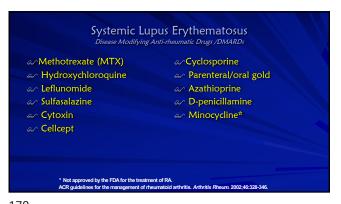


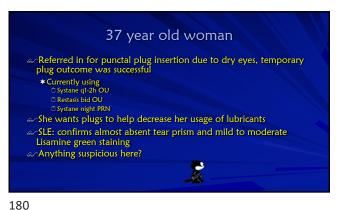


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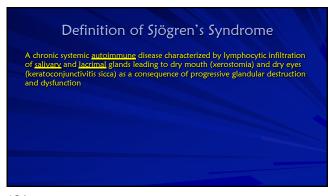
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181 182

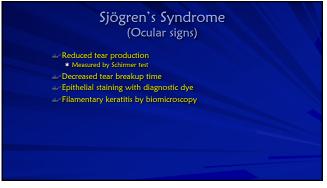








185 186





187





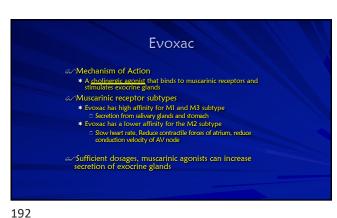
Why Can Muscarinic Agonists Be Used to Stimulate Saliva?

The severity of salivary dysfunction is disproportionate to the amount of lymphocyte infiltration

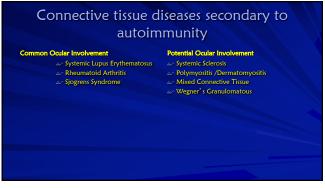
Most Sjögren's syndrome patients have remaining acinar cells in their salivary glands

Muscarinic receptors on these cells are still capable of responding to stimulation

In sufficient dosages, muscarinic agonists can increase secretion of exocrine glands



191 192



Connective tissue diseases secondary to autoimmunity

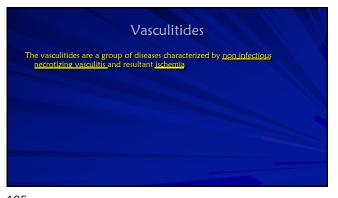
Cannot be regularly defined by gene abnormalities

The spontaneous over activity of the immune system

Results in the production of extra antibodies into the dirculation

Results in the production of extra antibodies into the dirculation

193



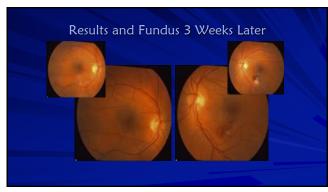






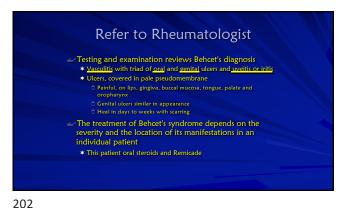
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199 200

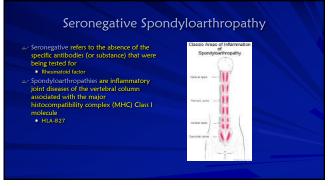


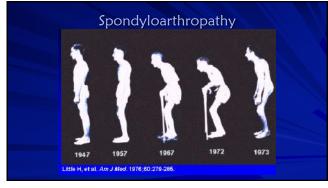




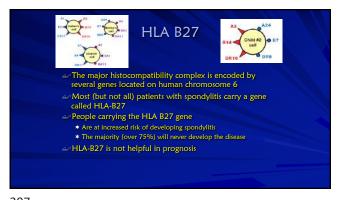


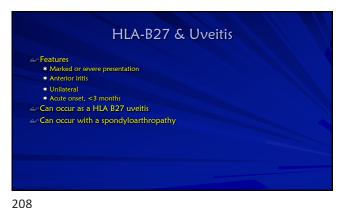
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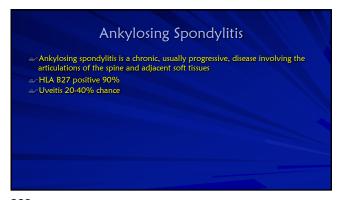


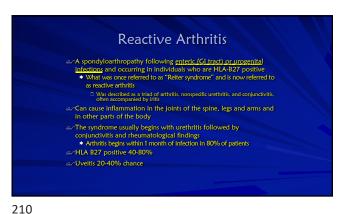


205 206

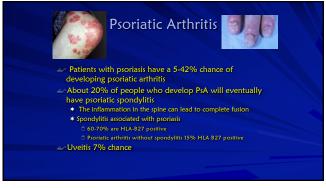






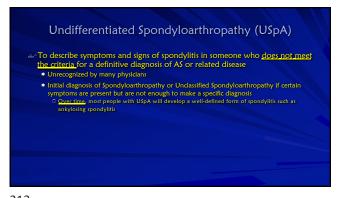


209 210

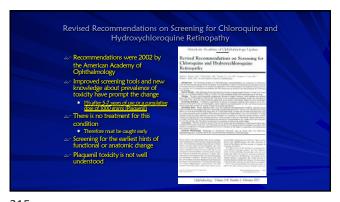




211 212



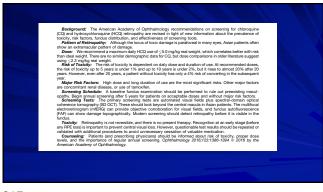


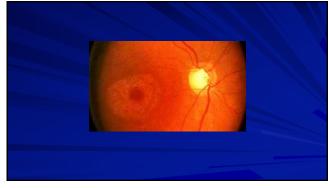




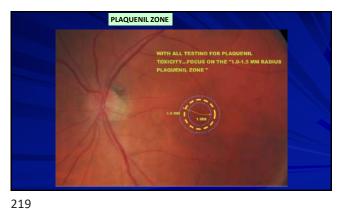
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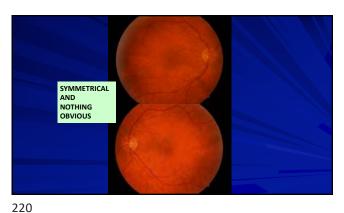


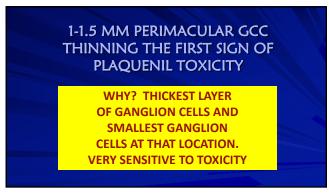


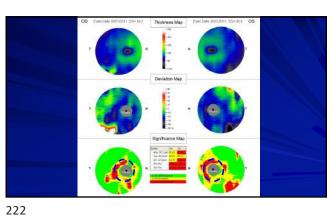


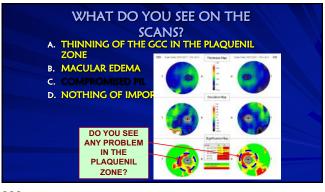
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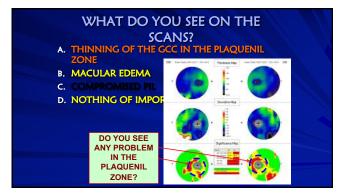




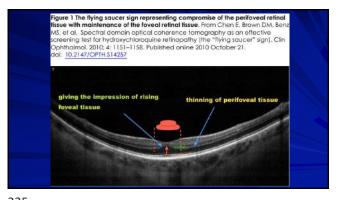


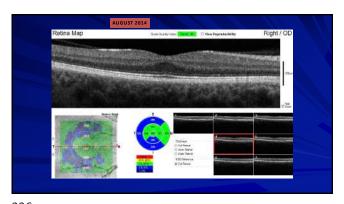


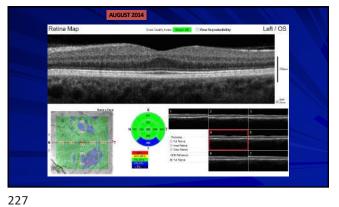


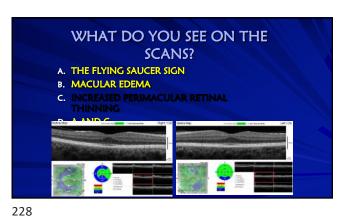


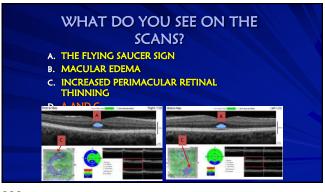
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