

WHAT WE WILL COVER

- •3 D OCT Tips
- •Healthy retina architecture
- Pathology
- •Q & A

2

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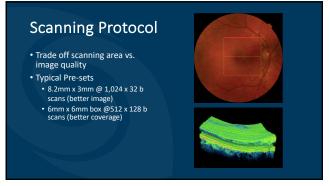
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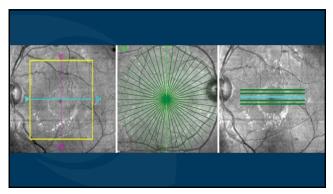
PATIENT PREPARATION Pupil size Minimum size is 3.7 mm Slightly dilated pupils will improve OCT Dry cornea Fixation

Viewing Techniques

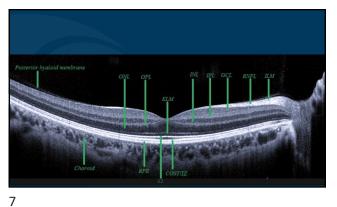
- View in Black and White to provide better contrast
- Use OCT image adjustment bar or press F9 (cirrus)

3



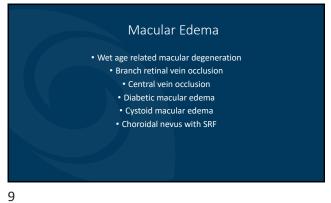


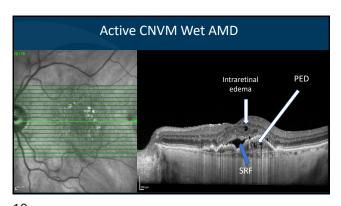
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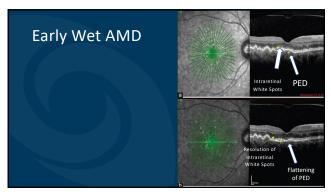
Posterior cortical vitreous, NFL, IPL, OPL, ELM, and RPE/Bruch's membrane complex Hyperreflective bands Hyperreflective zones Ellipsoid zone, interdigitation zone GCL, INL, Henle's NFL and ONL, outer segments of photoreceptors Hyporeflective bands Myoid zone
The choroidal layers occupy a zone of hyporeflective spaces with
hyperreflective outlines of various sizes. The boundaries are ill-defined Hyporeflective zones Zone of variable reflectivity at the outer border of the choroidal vascular profiles Choroidoscleral junction NFL: Nerve fiber layer, IPL: Inner plexiform layer, OPL: Outer plexiformlayer, ELM: External limiting membrane, RPE: Retinal pigment epithelium, GCL: Ganglion cell layer, INL: Inner nuclear layer, ONL: Outer nuclear layer

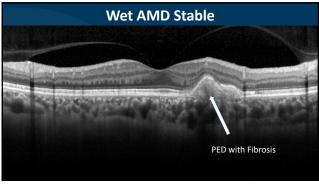
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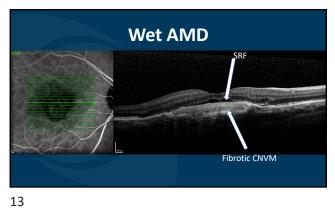


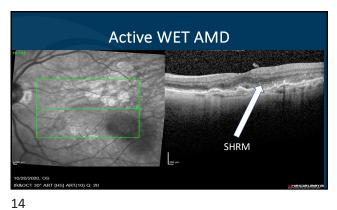
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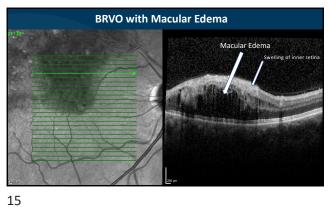


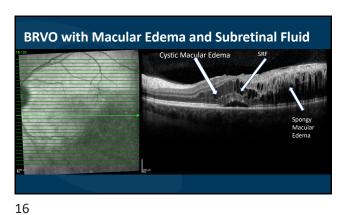


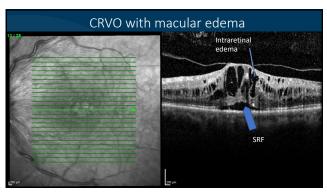
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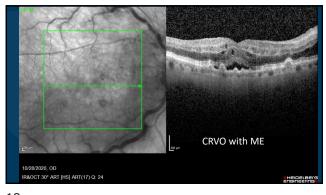


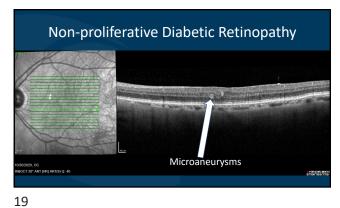


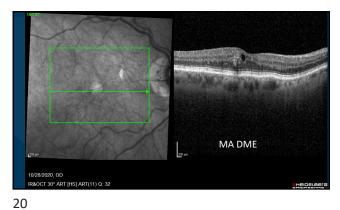


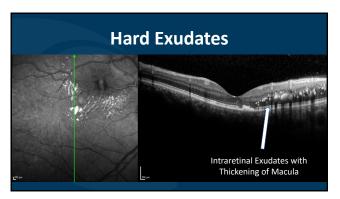


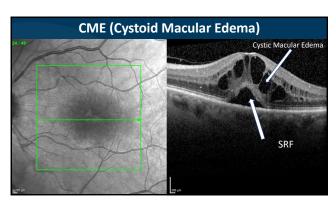


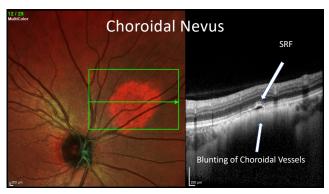


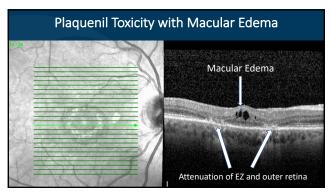




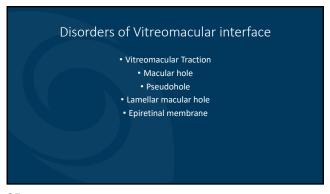


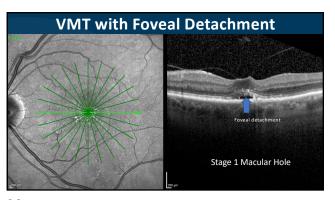




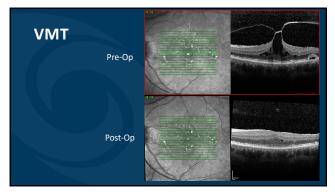


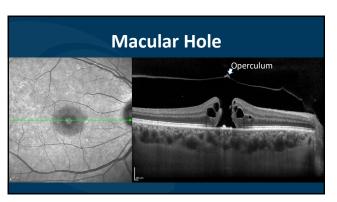
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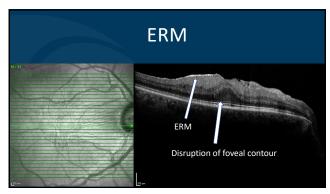


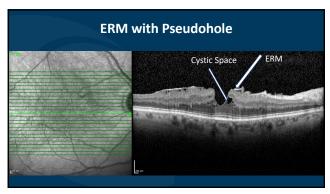
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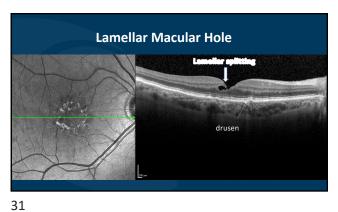


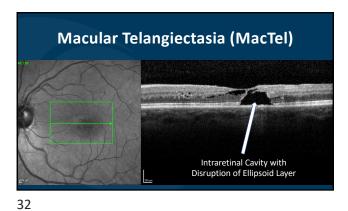
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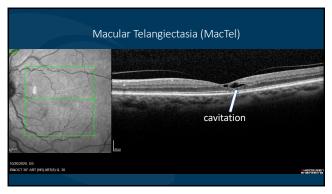


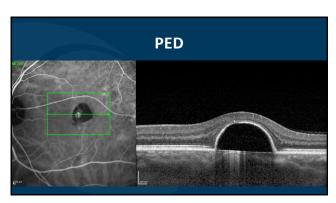


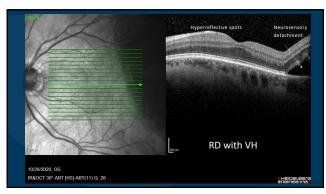
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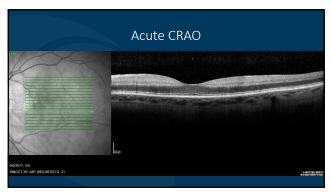


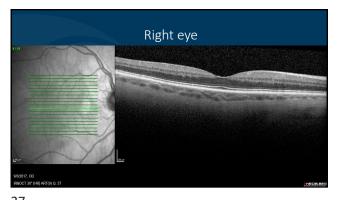


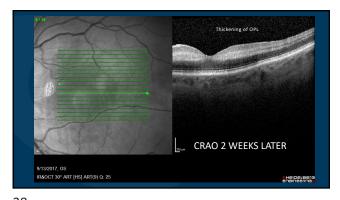


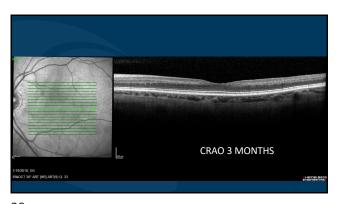








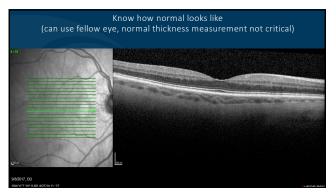




Tips for success in interpreting OCT

- Identify the patient and the eye
- Get good images (tape the mask, lubricate the cornea, better image with dilated pupils)
- Know how normal looks like (can use fellow eye, normal thickness measurement not critical)

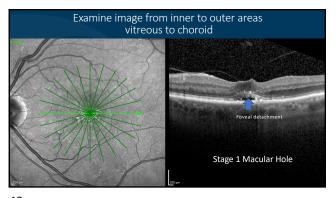
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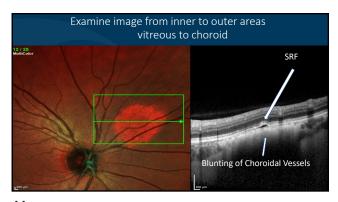


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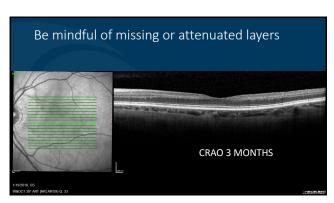
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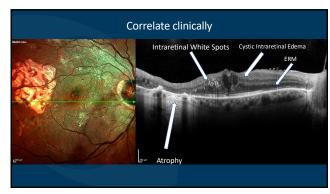
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45 46

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- Be mindful of missing or attenuated layers
- Correlate clinically



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