

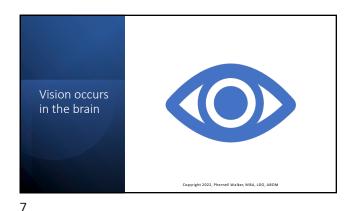


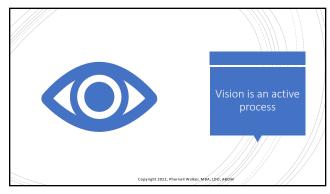


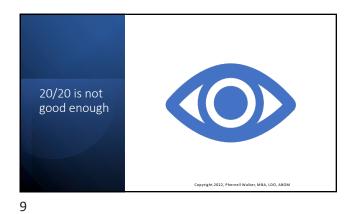




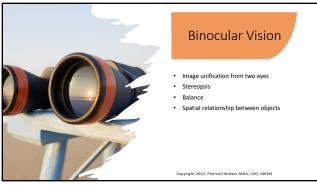
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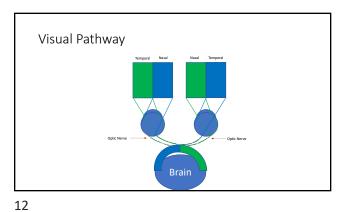




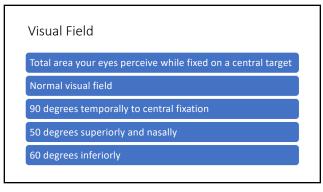


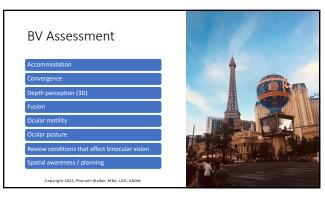


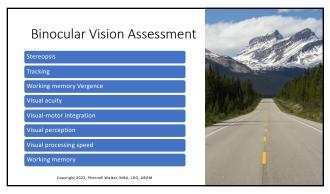


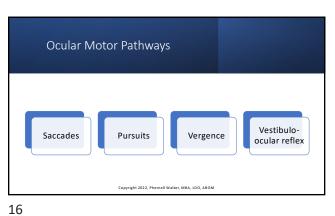


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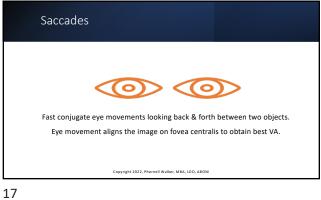


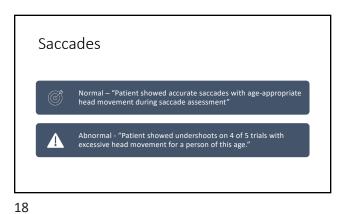




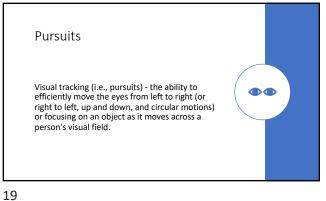


15



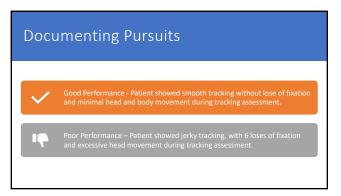


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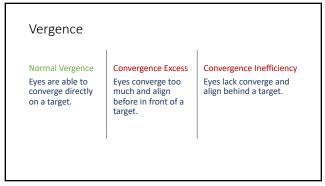
Pursuit Problem Symptoms Skipping lines while reading • Frequent loss of place while reading • Using your finger as a guide while • Short attention duration • Difficulty writing notes from screen or dry erase board

20





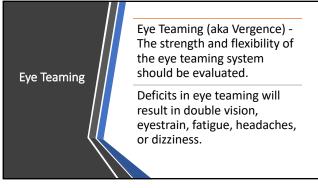
21 22







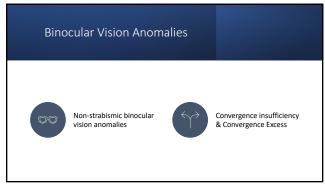






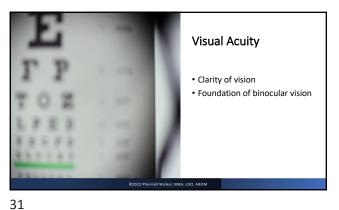
27 28





29 30

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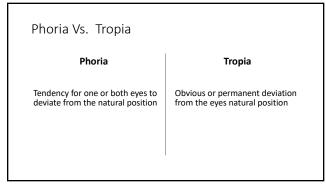


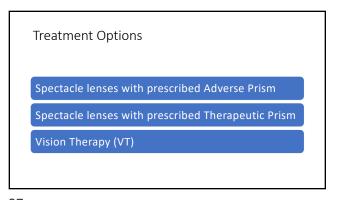


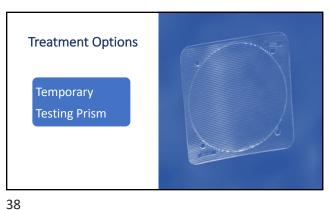


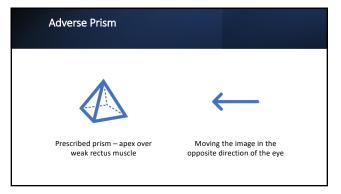


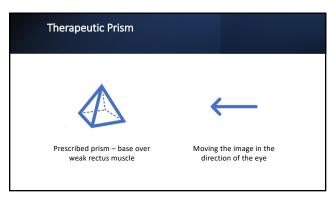




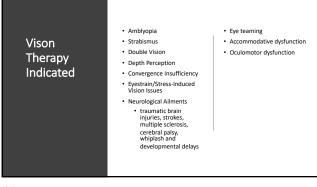


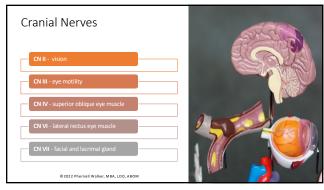




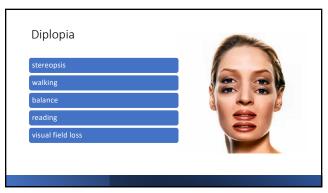


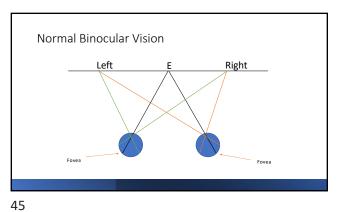
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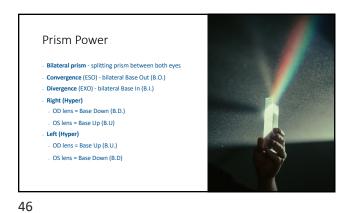








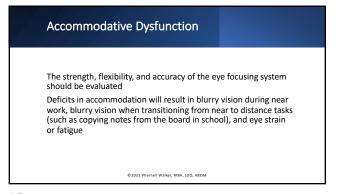


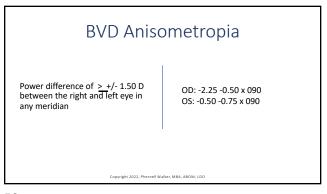


Prism Therapy Divergence - bilateral Base In (B.I.) Advantage - promotes bifocal stimulation Disadvantage - reduces (P.F.R.) prism fusional vergence amplitude



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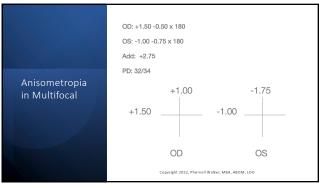


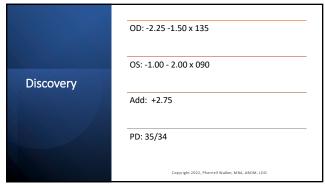
Patient is both hyperopic and myopic Opposite signs on the Rx OD: +1.25 -0.50 x 090 OS: -0.75 x 090 OS: -0.75 x 090 OS: -0.75 x 090

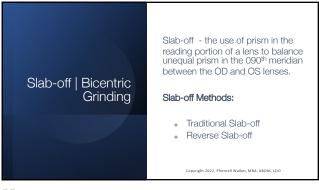
OD: -1.00 +2.50 x 165
OS: -1.75 +1.50 x 015

OD: +1.50 -2.50 x 075
OS: -0.25 -1.50 x 105

51 52









Traditional Slab-off		
Imbalance =	> 1.50 D x 090 th Meridian	
Lens Selection =	Weakest Plus Power	
Lens Selection =	Stronger Minus Power	
Ground (Surfaced) =	Base Up Prism x 090 th Meridian	

Rev	erse Slab-off
Imbalance =	> 1.50 D x 090 th Meridian
Lens Selection =	Strongest Plus Power
Lens Selection =	Weaker Minus Power
Ground (Surfaced) =	Base Down Prism x 090th Meridian
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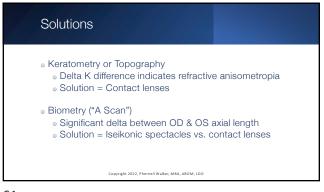
How much slab-of	ff should you prescribe?	
OD: -2.25 -1.50 x	135	
OS: -1.00 - 2.00 x	090 Add: +2.50 OU	
Ft. 28		
PD: 35/34		

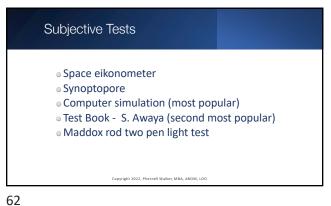
Refractive vs. Axial Aniseikonia

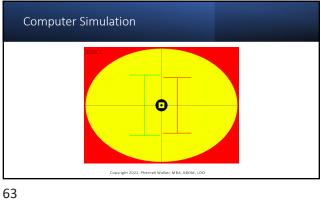
Refractive - result of refractive anisometropia

Axial - result of axial anisometropia

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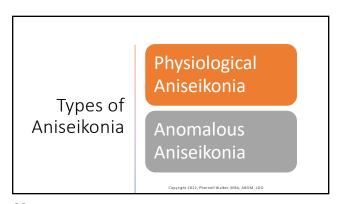






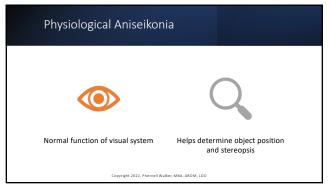


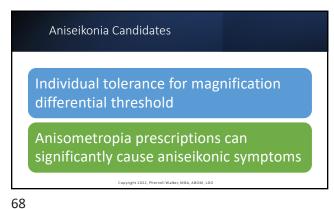


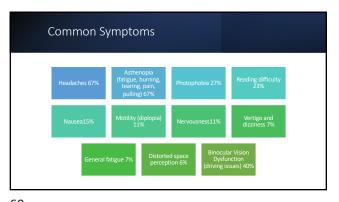


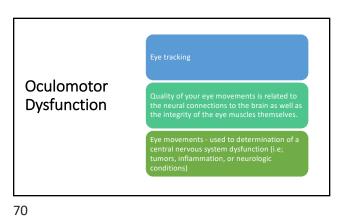
66

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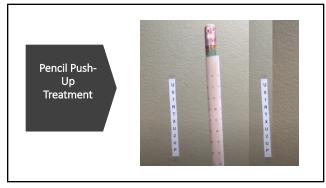






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Stereopsis

- Depth perception
- Dependent on the ability to use both eyes together
- Deficiencies results in reduced 3D vision, headaches and eye strain during 3D movies



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Take Aways

- Though 20% of Binocular Vision Dysfunction (BVD) is diagnosed, an estimated 56% of people suffer from BVD
- 2. Consider adding vision therapy and, or lens designs that address BVD issues to your ophthalmic lens portfolio
- 3. Consider prism lenses even for small amounts of strabismus to provide the best vision for your patients.



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