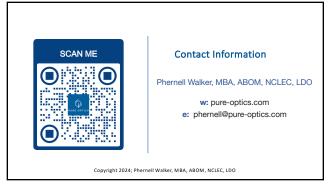
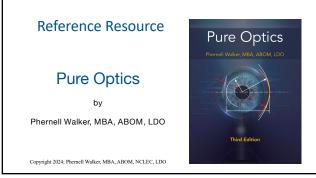


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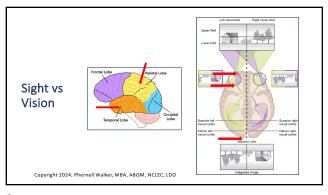
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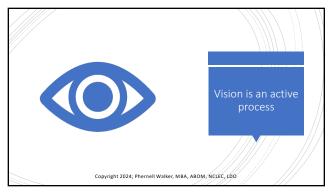






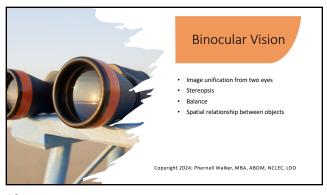
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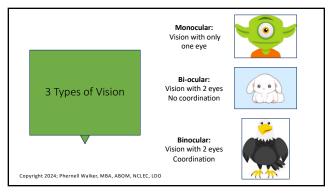




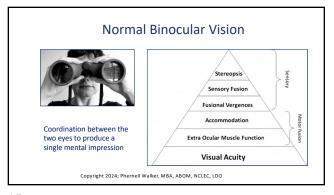
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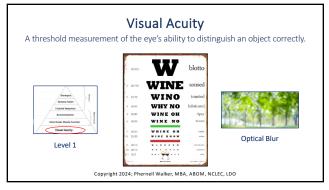


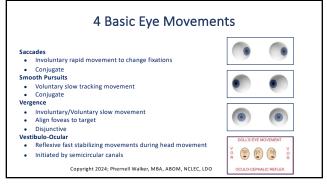




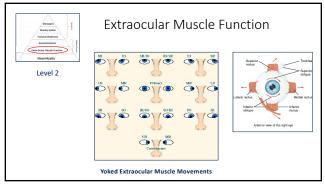
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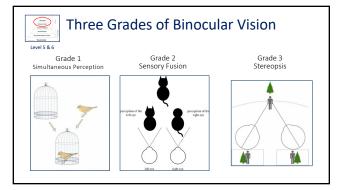


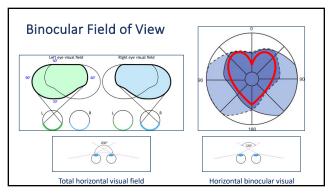




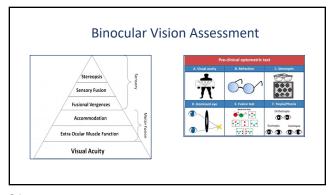
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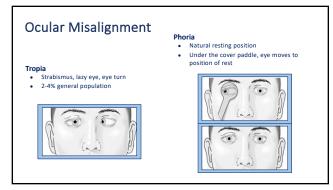


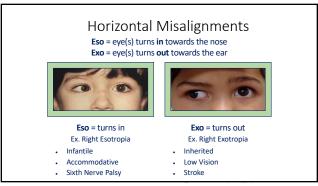




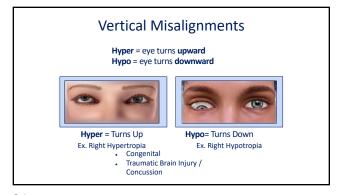
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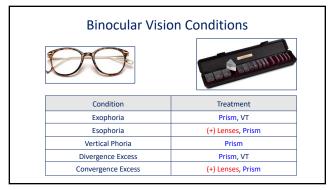


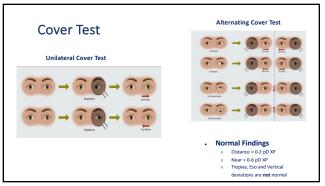




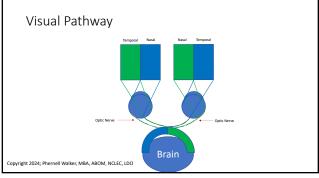
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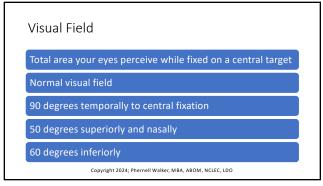


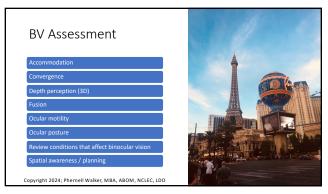




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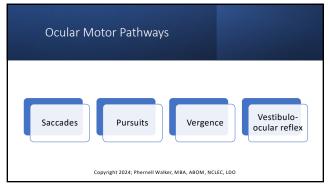


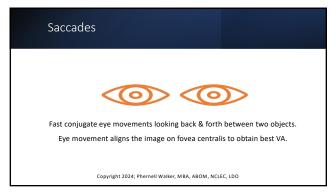




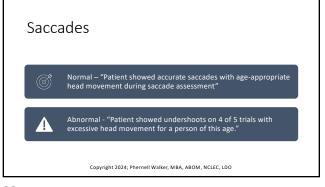
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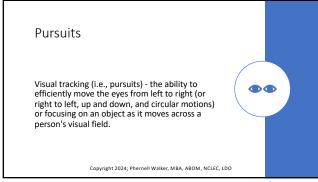
Binocular Vision Assessment	
Stereopsis	
Tracking	
Working memory Vergence	
Visual acuity	
Visual-motor integration	
Visual perception	
Visual processing speed	
Working memory	
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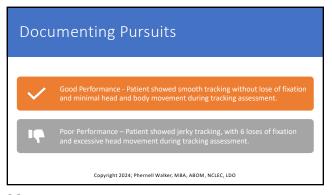
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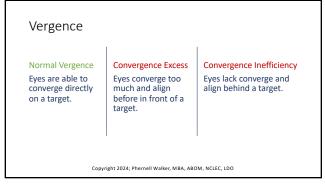




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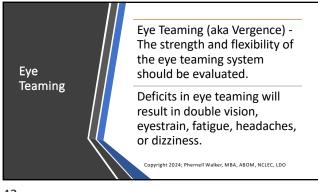
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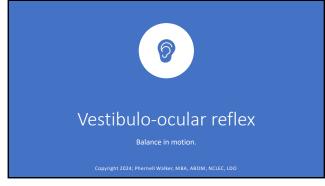




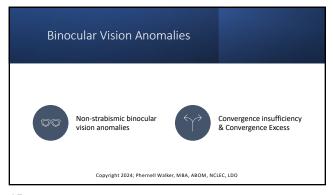
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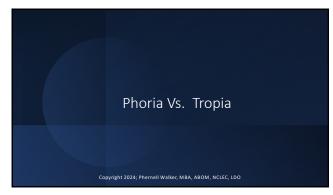






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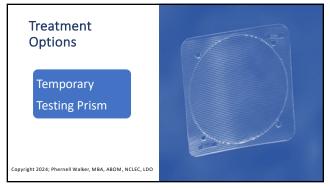


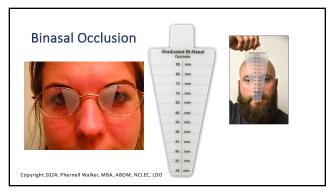


Phoria Vs. Tropia				
Phoria	Tropia			
Tendency for one or both eyes to deviate from the natural position	Obvious or permanent deviation from the eyes natural position			
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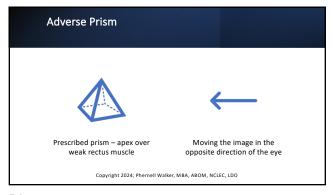
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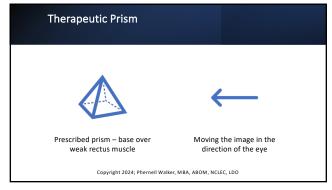


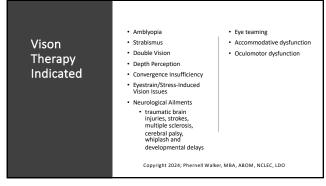




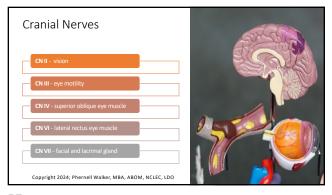
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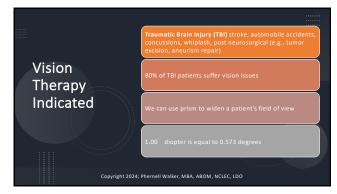






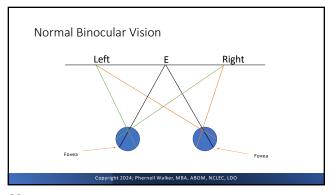
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# Prism Power Bilateral prism - splitting prism between both eyes Convergence (ESO) - bilateral Base Out (B.O.) Divergence (EXO) - bilateral Base In (B.I.) Right (Hyper) OD lens = Base Down (B.D.) OS lens = Base Up (B.U) Left (Hyper) OD lens = Base Up (B.U.) OS lens = Base Down (B.D.) Copyright 2024; Phernell Walker, MBA, ABOM, NCLEC, LDO

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## Divergence - bilateral Base In (B.I.) Advantage - promotes bifocal stimulation Disadvantage - reduces (P.F.R.) prism fusional vergence amplitude Copyright 2024; Phernell Walker, MBA, ABOM, NCLEC, LDO

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Acco	mmo	dative	Dyef	unction
ALLU		uauve	ווכעע	alicuol

The strength, flexibility, and accuracy of the eye focusing system should be evaluated

Deficits in accommodation will result in blurry vision during near work, blurry vision when transitioning from near to distance tasks (such as copying notes from the board in school), and eye strain or fatigue

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### **BVD** Anisometropia

Power difference of  $\geq$  +/- 1.50 D between the right and left eye in any meridian

OD: -2.25 -0.50 x 090 OS: -0.50 -0.75 x 090

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### **BVD** Antimetropia

- Form of anisometropia
- Opposite refractive errors between eyes
- Patient is both hyperopic and myopic
- Opposite signs on the Rx

OD: +1.25 -0.50 x 090 OS: -0.75 -0.75 x 090

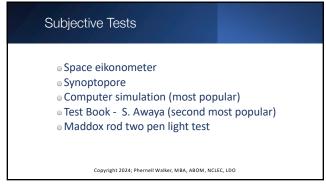
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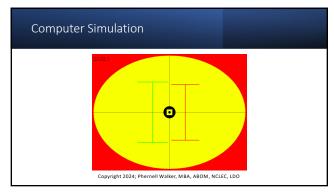


## Refractive vs. Axial Aniseikonia Refractive - result of refractive anisometropia Axial - result of axial anisometropia Copyright 2024; Phernell Walker, MBA, ABOM, NCLEC, LDO

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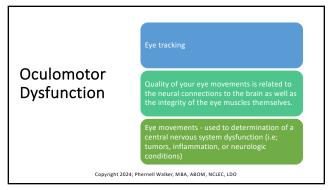
## Solutions • Keratometry or Topography • Delta K difference indicates refractive anisometropia • Solution = Contact lenses • Biometry ("A Scan") • Significant delta between OD & OS axial length • Solution = Iseikonic spectacles vs. contact lenses





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