On behalf of Vision Expo, we sincerely than	k
you for being with us this year.	

Vision Expo Has Gone Green!

We have eliminated all paper session evaluation forms. Please be sure to complete your electronic session evaluations online when you login to request your CE Letter for each course you attended! Your feedback is important to us as our Education Planning Committee considers content and speakers for future meetings to provide you with the best education possible.



1

-Financial Disclosure-

Michael Gatti is an employee of HOYA Vision Care.

All relevant relationship have been mitigated.

□ 2

2

Binocular Brilliance



Objectives 1. Demonstrate the importance of binocular vision 2. Review the effects of unwanted prism and how to counter them 3. Understand binocular technologies in progressive lenses

4

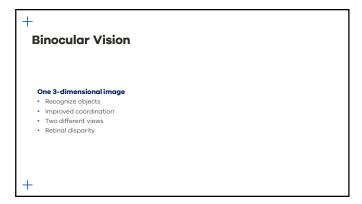
+ Binocular Vision Do we see with our eyes or our brain? A. Eyes B. Brain

5

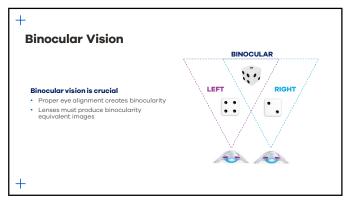
+	
Binocular Vision	
How much information	
does our brain process	
per day?	
A. 12 GB	
в. 56 GB	
c. 74 GB	
D. 128 GB	
+	

+ Bi	inocular Vision
	Wo eyes are better than one. Improved coordination Wider field of vision Eliminate blind spots Single image Stereopsis

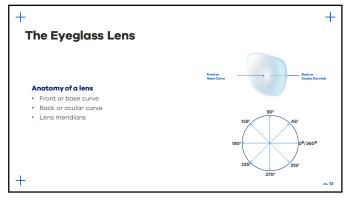


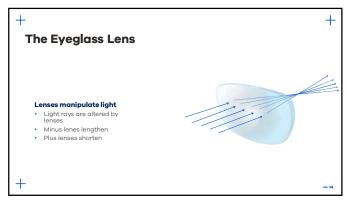


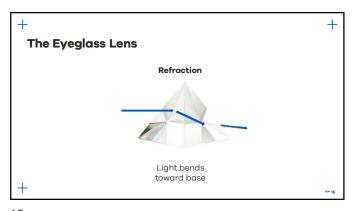
+ B	inocular Vision
	Relax your eyes
+	

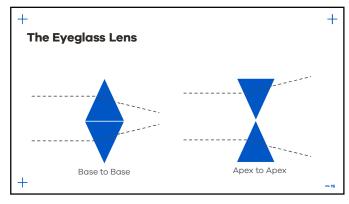


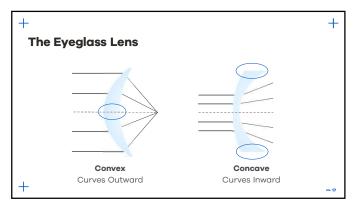


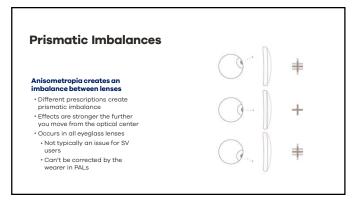








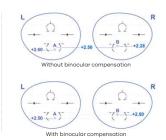




Prismatic Imbalances

Harmonize right and left corrections by adjusting power distribution

- Independent corridor calculations
- Adjust the power progression and corridor lengths
- Both eyes experience the same add and equal amounts of prism
 Reduces sway and improves binocularity

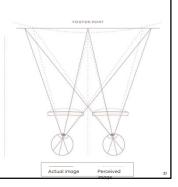


19

Prismatic Imbalances

Unwanted Prismatic Effects

- Creates uneasy feeling for wearers
- Deformation of the image
- · Swaying effect when moving



20

Prismatic Imbalances

Peripheral prismatic

imbalances create swim and

swarycal and horizontal prism imbalance around the near and intermediate areas

- Increases distortion outside of corridor
- Creates discomfort in the near and intermediate areas
 Makes it harder to adapt to the lenses

Refractive Lenses

Lenses in a phoropter

• Small in diameter

• Flat in profile

• 0 Base curve

• 0' Panto Angle

• 0' Wrap

• OC height in front of pupil

22



