On behalf of Vision Expo, we sincerely thank 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

Jesse Walters, ABOM

- · No Financial interests to disclose
- Account Representative and Optical Trainer for an independent OD owned national lab: Summit Optical CE Author, content editor and advisor for the Optical Training Institute
- CE contributor for Quantum Optical
- · All relevant relationships have been mitigated

2

Common Sense Compensation

Jesse Walters, ABOM 1 hour ABO Technical Level III



Learning Objectives:

Why does the prescription need to be changed? How do the position of wear measurements change the final prescription? When is it most important to utilize? What potential problems can occur?







Prescribed Rx vs Effective Power



Vertex: Power Changes and Measuring

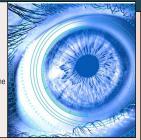


Wrap & Tilt: Changes in Power & Prism

4

Compensation Defined:

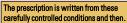
A compensated prescription is any intentional change in lens power or measurements from the doctor's original Rx with the objective to more accurately correct vision through a pair of glasses.



5

The Doctor's Refraction vs Real World Wear

An optometrist's refraction utilizes a small round lens sitting perpendicular to the eye at a fixed distance having the patient looking directly in front of them at a well-lit chart mounted at 20 feet.





To Deliver the Promised Prescribed Rx:



...Every patient is fit into small, round, flat frames that are adjusted to sit at the exact distance of the phoropter.



7

Medical Device vs Fashion Accessory

The prescription is filled in lenses of all different sizes, shapes and curves...



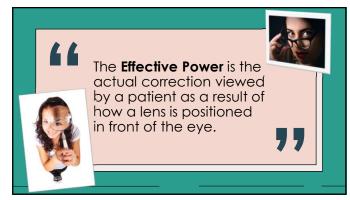


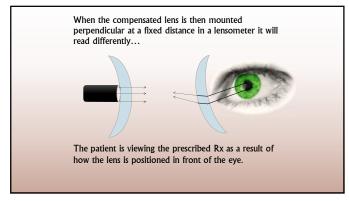


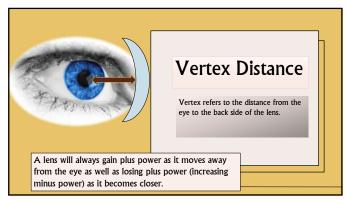


 \dots mounted into frames that fit closer or farther from the eye with any extreme of tilt, face-form or wrap.

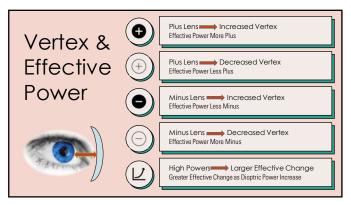
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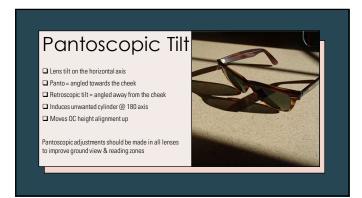


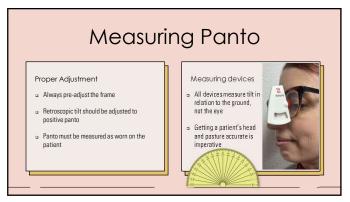


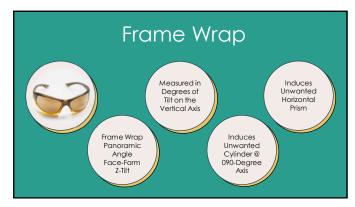


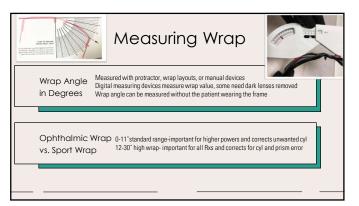


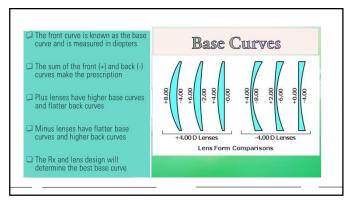












Base Curves ■ Every prescription has an ideal base curve to reduce peripheral aberrations ■ Digital lenses employ base curve optimization for ideal optics ■ Most digital lens designs don't allow base curve specifications





