|   | ABO PRACTICAL EXAM REVIEW   |  |
|---|---|--|
|   | Slides prepared by  |  |
|   | William Underwood, Ph.D., ABOM  |  |
|   | for the express use of NFOS review  |  |
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|   | ABO & NCLE Practical Exams  |  |
|   | • The one hour practical assessment examinations were   |  |
|   | designed and developed by groups of Certified Opticians and Certified Contact Lens Fitters/Technicians with   |  |
|   | assistance from an independent testing service.  The purpose of these Exams is to apply the knowledge   |  |
|   | previously demonstrated by the candidates to skills and abilities associated with the performance of tasks required                                     |  |
|   | for the professional practice of Opticianry and/or Contact Lens Technology.   |  |
|   | - Each exam has thirty questions.   |  |
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|   | ABO & NCLE Practical Exams  |  |
|   | Question Criteria Exam questions fall into four general categories:   |  |
|   | 1. Those that require immediate recognition of the correct<br>response through correct identification of instrumentality<br>and basic problem solving   |  |
|   | 2. Those that require understanding and/or utilization of basic instrumentality   |  |
|   | 3. Those that require candidates to comprehend patient interaction and demonstrate appropriate problem-solving  |  |
|   | based upon information presented by video vignettes of patient interactions   |  |
|   | <ul> <li>4. Those that require recognition of basic fundamental<br/>knowledge in the field of Opticianry and/or Contact Lens<br/>Technology.</li> </ul> |  |

### ABO & NCLE Practical Exams

- ABO & NCLE provides a fully-interactive ABO & NCLE Tutorial and Practice Exam Question Area.
- You can learn about the types of virtual reality questions available on the ABO-NCLE Practical Examinations and how to utilize the Lens Meter, Slit Lamp, and many other on-line virtual instruments utilized on the ABO & NCLE Practical Examinations.
- https://www.aboncle.org/ABO/Exam\_Information/Practical\_Exams/Practical\_Exam\_Tutorial/ABO/Practical\_Exam/Practical\_Exam\_ Tutorial.aspx?hkey=b53962d8-5427-4cf4-9cd7-2074c6c91d9c

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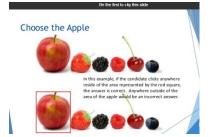
### **ABO & NCLE Practical Exams**

- ABO & NCLE provides a Practical Slideshow to allow candidates to understand the functionality and type of questions for each item within the ABO and NCLE Practical Examinations.
- https://www.slideshare.net/JamesMorris153/abo-nclepractical-exam-slideshow-tutorial

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### **ABO Practical**

 Hot Spot questions where you need to click on the condition or tool.



### **ABO Practical**

- Images of tools or instruments.
- Videos of patient interactions.

| Instrun                                    | entality  |   |                            |   |
|--|---|---|----------------------------|---|
| are utilized<br>only, if the<br>would be e | should be familiar with instrum<br>for certain opticianry-related f<br>candidate were presented with<br>pected to recognize, and ident<br>g the endpiece: | unctions. For examp<br>the image below, the | le purposes<br>e candidate | A |
| represente<br>candidate                    | date selects anywhere near the by the red box, they will get to elects an area outside of the histion wrong.  | he question correct.                        | If the                     |   |
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### **Exam Costs**

 Current cost for the ABO & NCLE Practical Exams is \$75.00 per exam or a total of \$150.00

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### ABO Practical: Virtual Instruments



### ABO Practical: Virtual Pupilometer



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### ABO Practical: Virtual Pupilometer





# Frame Measurements and Segment Heights



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### Segment Height Measurements

- · Progressive: Center of pupil.
- Bifocal: Lower limbus\*\*\* Not lower lid!!!
- Trifocal: Lower edge of pupil. <u>Do Not subtract one millimeter!!</u>

### Fitting Height

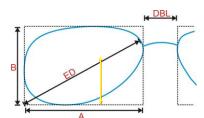
· Fitting Heights should be taken monocularly



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### Fitting Height

 $\,{}^{\scriptscriptstyle \bullet}$  Fitting Height is the distance between center pupil & the lowest edge of the lens



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## ABO Practical: Frame



# ABO Practical: Fitting Heights Marking and Measuring Lenses Step 1. Mark the lens. Hists on Marking and Re-Alanking Step 2. Measure the lens. Hists on Vertical Measurements

Previous Screen Marker Erase MM Rule

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### ABO Practical: Neutralization





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### ABO Practical: Neutralization

Look and Feel of the Lens Meter Simulation

Verification: Comparing Prescribed Power and Axis to Lens Meter Readings

Neutralizing Lenses

Meeting Optical Standards: Tolerances for Power, Axis, Prism and Imbalance

Reading Prism in the Marco 101 Lens Meter

Horizontal Imbalance

Segment Height

Bifocal Lenses

Layout of Progressive Lenses

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### ABO Practical: Neutralization



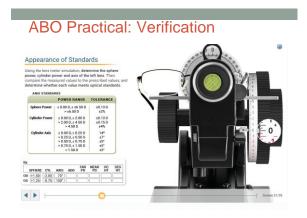


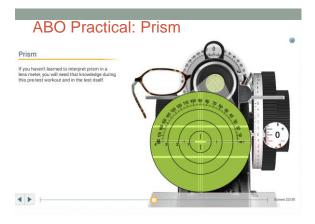
### ABO Practical: Neutralization

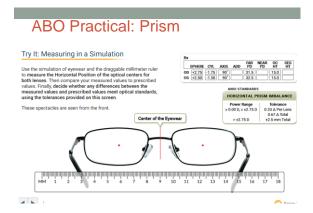


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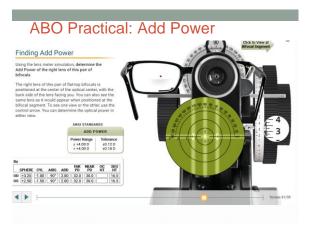














| Questions?                            |
|---------------------------------------|
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