

EyeSystems



Frame Adjusting

The Devil Is In The Details

Why Adjust Frames Well?

- Patient comfort and health.
- Ensures maximum optical correction of the lenses.

Why Adjust Frames Well?

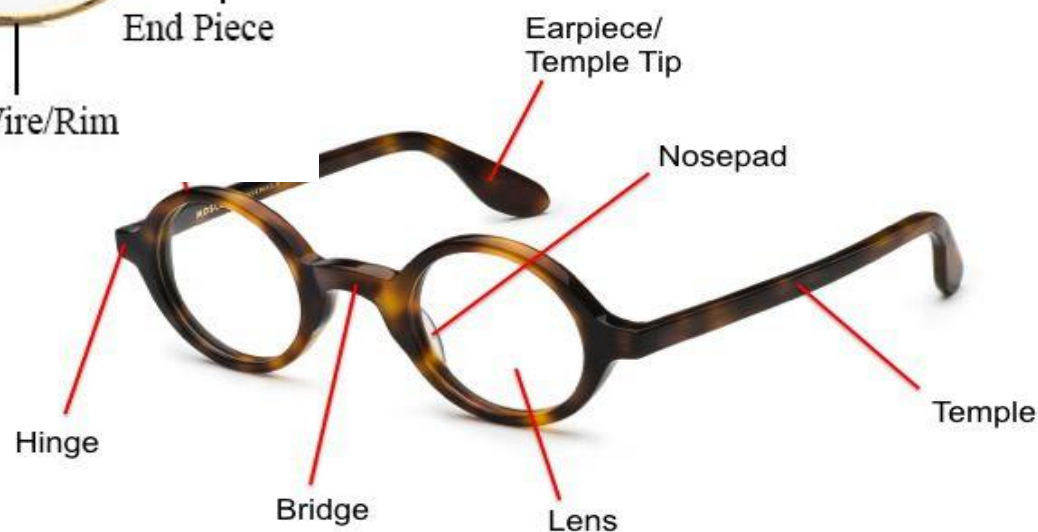


- Patient loyalty.
- Patient recommendations.

The First Step

- Your attitude
- The art and science.

Basic Frame Components

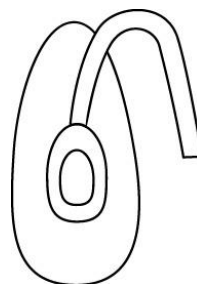


Nose Pads

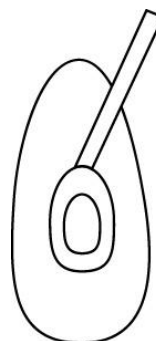
– American Pad.....



– Looped Pad Arms.....



– Straight Pad Arms.....



Preliminary Observations & Adjustments

EyeSystems



- Bridge – alignment

Preliminary Observations & Adjustments

EyeSystems



- Eyewire and wrap

Original Thinking *EyeSystems* *Unique Solutions*

Preliminary Observations & Adjustments

EyeSystems

- Temples –
 - Straight – avoid too narrow or too wide



Preliminary Observations & Adjustments

EyeSystems



Nose Pads – Ball-parked

Placement of the Patient

- Establish control.
 - Patient sits, you stand. Why?
- Maintain control
 - Request head movement to verify other fitting characteristics.
- Dispensing tables and chairs.



Putting the Frame On the Patient

- Control.
 - You do it, act like the expert.
- Holding the frame.
 - Fingers above or below the temples?
- Putting the frame on.
 - Placement of the temples.



Eyewear Adjusting Goals

Maximize the Optical Correction

- Achieve the intended OC placement.
- Achieve the intended segment placement.
- Achieve optimum pantoscopic angle (SV vs. multifocal).
- Achieve optimum vertex distance between eye and face.

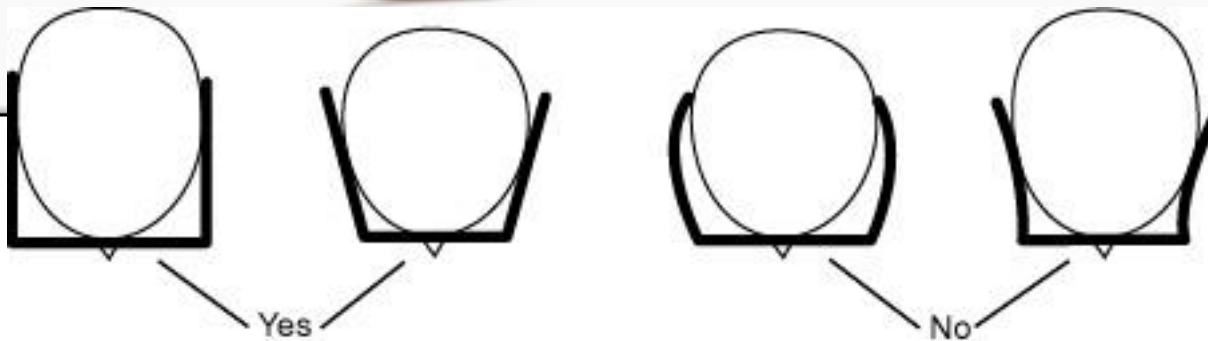
Eyewear Adjusting Goals

Achieve Patient Comfort + Perfect Balance

- Eyewear are in exact same position each time and they stay there.
- Eyewear is comfortable for long periods of time.
- The patient does not return frequently to have the eyewear re-adjusted.

Basic Adjusting Techniques

- Step 1
Widen or narrow the temples.



Original Thinking

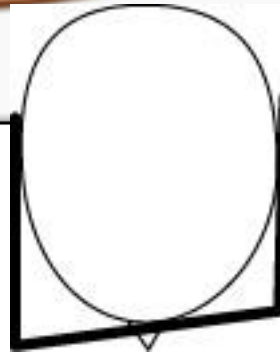
EyeSystems

Unique Solutions

Basic Adjusting Techniques

- Step 1

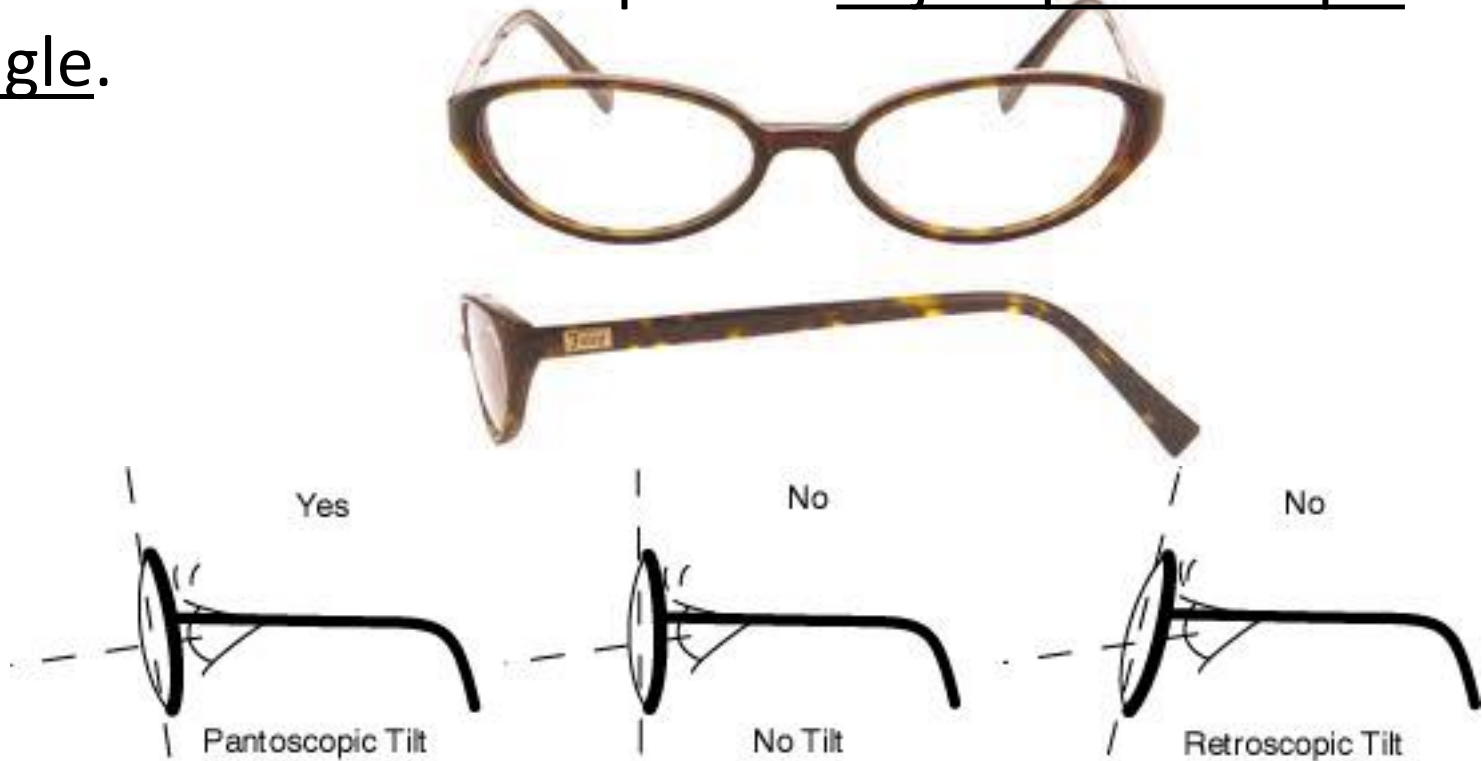
If the right lens is farther away from the eye than the left.



Basic Adjusting Techniques

- Step 2

Raise or lower the temples to adjust pantoscopic angle.



Basic Adjusting Techniques

- Step 2

Make sure the lenses are level.

How To Raise or Lower Temples

- Bend the Hinge and change the angle of the hinge.

- Up on the side that's up
 - Raising the temple lowers the lens
- Down on the side that's down
 - Lowering the temple raises the lens.



Basic Adjusting Techniques

- Step 3

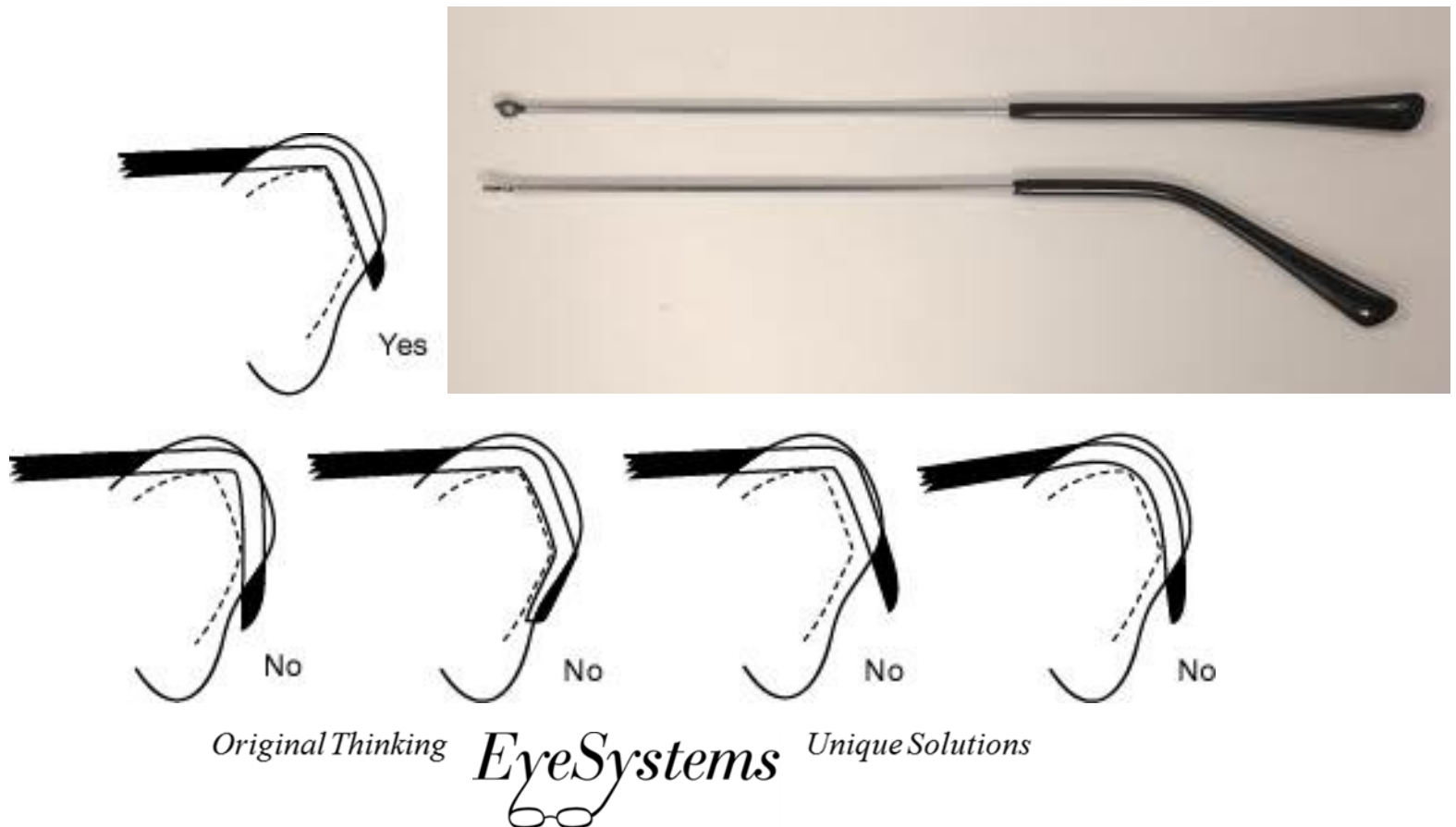
Adjust behind the ears.

- ✓ Hot Spot

- ✓ Indentations

Basic Adjusting Techniques

- Step 3
Adjust behind the ears.



Basic Adjusting Techniques

- Step 3
Adjust behind the ears.



Adjusting Nose Pads

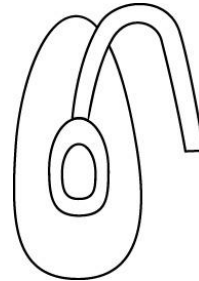


- Step 4

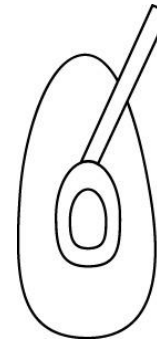
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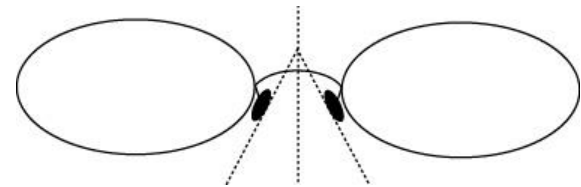


Adjusting Nose Pads

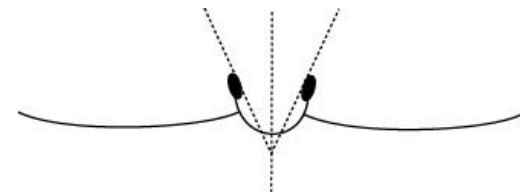


- Nose pad angles

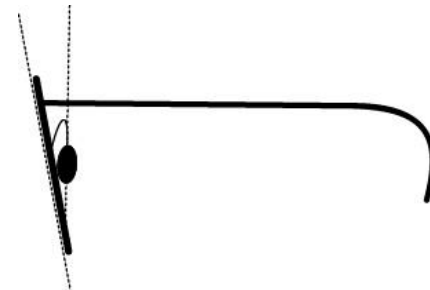
- Frontal angle



- Splay angle



- Vertical angle



Adjusting Nose Pads

- Front Angle – View from the front
 - the tops of the pads should be closer together than the bottom of the pads and level.
- Splay Angle – View from the top
 - the back of the pads should be farther apart than the front of the pads.
- Vertical Angle – View from the side
 - the bottom of the pad should be closer to the eyewire than the top of the pads.

Adjusting Nose Pads

- Pads should
 - Rest halfway between the crest of the nose and the inner canthus.
 - Be flush with the surface.
 - Be adjusted to increase or decrease vertex distance.

Evaluating the Adjustment

- With the frame on the patient
 - ✓ Lift each lens at the same time and gently pull toward you – check the resistance.
 - ✓ Ask the patient “Are they comfortable?”
 - ✓ Make any changes as needed.

Final Touches

- ✓ Check temples for proper fold.
- ✓ Secure the ends of the screws.
- ✓ Teach how to put on and take off.
- ✓ Discuss lens care and proper case use.
- ✓ Make sure the patient can see.

Now What?

- Become familiar with your optical tools.
- Expect to break frames.
- Consult other reference material.
 - POT Manual, Brooks and Borish, Tools Catalogs
- Practice on everyone you know.