The things we say...

- OD - Oculus Dexter
  - Right eye
- OS - Oculus Sinister
  - Left eye
- OU - Oculus Uniter
  - Both Eyes

The things we say...

- Myopia - Nearsighted
- Hyperopia - Farsighted
- Spherical
- Spherocylinder
- Astigmatism
  - Simple
  - Compound
    - Hyperopic
    - Myopic
- Mixed
- Oblique

Things we MUST watch

- In the Written Prescription
  - Decimal Points
  - Zeros for power
  - Axis

Optical Cross

- OD
  - 00
  - 90
  - 90
- OS
  - 180
  - 180
**Minus Spheres**
- OD -2.00 Sph
- OS -2.50 Sph
- What kind of lens is prescribed?
  - Myopia, nearsighted
- What will the lens cause the light rays to do?
  - Diverge

**Plus Spheres**
- OD +1.50 Sph
- OS +1.50 Sph
- What kind of lens is prescribed?
  - Hyperopic, farsighted
- What will the lens cause the light rays to do?
  - Converge

**Minus Spheres**
- OD -2.00 sphere
- OS -2.50 sphere

**Minus Spheres**
- OD -2.00 Sph
- OS -2.50 Sph
- What happens in a frame with a large eye size?
  - Watch thickness
- If this is a first prescription, what will the patient notice?
  - Objects appear smaller
  - Patient feels taller

**Plus Spheres**
- OD +1.50 Sph
- OS +1.50 Sph
- What happens in a frame with a large eye size?
  - Watch thinness
- If this is a first prescription, what will the patient notice?
  - Objects appear larger
  - Patient feels shorter
Lenses for Astigmatism

- OD +2.00 – 0.75 x 094  OS +1.75 – 0.50 x 083

- What type of ametropia is this correcting?
  - Compound Hyperopic Astigmatism
- What kind of lens is this?
  - Spherocylinder

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- OD +2.00 – 0.75 x 094  OS +1.75 – 0.50 x 083

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Lenses for Astigmatism

- OD -5.50 – 0.25 x 178  OS -5.00 – 0.25 x 178

- Where is the thickest part of each lens?
  - 180 degrees
- What would you want to do when selecting a frame?
  - Center the optical center horizontally

Lenses for Astigmatism

- OD -5.50 – 0.25 x 178  OS -5.00 – 0.25 x 178

- Where is the thickest part of each lens?
  - 180 degrees
- What would you want to do when selecting a frame?
  - Center the optical center horizontally

Lenses for Astigmatism

- OD -5.50 – 0.25 x 178  OS -5.00 – 0.25 x 178

- Where is the thickest part of each lens?
  - 180 degrees
- What would you want to do when selecting a frame?
  - Center the optical center horizontally

Lenses for Astigmatism

- OD -5.50 – 0.25 x 178  OS -5.00 – 0.25 x 178

- Where is the thickest part of each lens?
  - 180 degrees
- What would you want to do when selecting a frame?
  - Center the optical center horizontally
Lenses for Astigmatism

- OD -2.25 -2.25 x 005  OS -1.75 -1.75 X 175

- What type of astigmatism is this?
  ➢ Compound Myopic

- Where is the light focusing in the eye?
  ➢ One on the retina, one in front of the retina

Lenses for Astigmatism

- OD -2.25 -2.25 x 005  OS -1.75 -1.75 X 175

- Where is the light focusing in the eye?
  ➢ One on the retina, one in front of the retina

Lenses for Astigmatism

- OD -2.25 -2.25 x 005  OS -1.75 -1.75 X 175

- What type of ametrope is this?
  ➢ Mixed

- Where is the light focusing in the eye?
  ➢ One in front and one behind

Lenses for Astigmatism

- OD +3.00 – 6.00 x 180  OS +2.50 – 5.00 x 180

- Would you fit this patient in an aviator shape frame?

- Where is the thinnest part of the lens?
  ➢ 45 line at the edges