RAINDROP CORNEAL INLAY FOR TREATMENT OF PRESBYOPIA

1. Raindrop Inlay
   a. 2mm diameter, 30 micron thick, no power hydrogel inlay by RevisionOptics.com
   b. FDA approved 2016

2. Mechanism
   a. Remodels and reshapes anterior surface of cornea (steepening)

3. Indications
   a. Correction of presbyopia in non-dominant eye
   b. Excellent near vision correction up to 5 lines improved with near / intermed vision
   c. < 1 line loss of distance vision

4. Screening Criteria
   a. Spherical equivalent of -.50D - +1.00D
   b. < .75D of refractive cylinder
   c. 40 – 64 years old
   d. No history of any surgery: NO LASIK /PRK or CATARACT SURGERY
   e. Good health in eyes: ie No dry eye syndrome, glaucoma, DR
   f. Minimal Cornea Pach = >500 microns

5. Work Up
   a. Dry Eye Work Up
      i. Schirmer’s > 20 mm
      ii. No corneal staining
      iii. TBUT > 8 seconds
   b. Dry and Wet Refraction with SE of -.50 + 1.00; <.75D refractive cylinder
   c. UCVA for distance and near
   d. Topography – Can be done at WCS office
      i. Pachymetry
      ii. Pupil Diameter (photopic and scotopic)
         1. Photopic > 3.0 mm
         2. Scotopic < 7.0 mm
   e. Trial of B&L Plano Multifocal CL in non-dominant eye for 1 week
      i. If patient has been in monovision CL will not need to do the above

6. Fees
   a. $3800
   b. Dr. Stewart's first 10 patients will receive a discount: $1500
Preop Work Up By Comanaging Optometrist

- Have patient out of SCL for 3 days and hard 4 weeks
- Check Distance and near vision, uncorrected
- Perfect candidate will see great in the distance OU; but needs readers for all their near tasks – usually wearing +1.25 – +2.50 cheaters
- Dry and Wet manifest
- Dry Eye Testing (see above)
- Pupil diameter testing (see above)
- Topography OU – can be done at WCS office or Laser Center
- 2 – 5 day trial of BL Multifocal CL (high power)
- POSTOP MEDS
  - Vigamox qid x 1 week
  - Durezol
    - QID week one
    - TID week two
    - BID week three
    - QD week four
  - Lotemax (start on month 2)
    - BID x one month
    - QD x one month
  - Pres Free AT
    - Q 2H while awake week one
    - Qid for 3 months

Postop Examinations

- POD 1
  - Near and Distance binocular and monocular vision
  - Note: Near vision will be closer than desirable in most cases the first week. This improves over the next few weeks
  - Distance vision improves over 2-4 months
  - May see a haze around inlay at one month - thin outline of white haze is normal
    - More than thin white haze the patient needs to increase Prednisone drops or restart the drops
  - Decrease in vision
    - Inlay decentered – needs to see WCS
    - Inflammation – Needs to see WCS
      - DLK
      - Infection
      - Increased haze around inlay
  - POD 1 week – same as above
  - POD 1 month – Ok to check IOP after 1 month
  - POD 3 month