



STEWART LASIK

# Raindrop Protocol for Optometrists

## 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  $-0.50$  -  $+1.00$ D
- b.  $< .75$ D 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. Schirmers  $> 20$  mm
  - ii. No corneal staining
  - iii. TBUT  $> 8$  seconds
- b. Dry and Wet Refraction with SE of  $-0.50 + 1.00$ ;  $< .75$ D 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



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## 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 readers
- 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