Abstract: The following case report details a gas-permeable contact lens fitting following blepharoplasty surgery. The case also discusses postoperative blepharoplasty challenges, which may include changes in refractive error and contact lens fitting, as well as, ocular disease findings.

I. Case History
- Patient Demographics: 57 yr old WF, presented for CEE (6/10)
- Chief Complaint: Blur at distance and near OU, vision with current contact lenses blurry since blepharoplasty sx, specs several years old
- Ocular, medical history: Longtime GP wearer (since childhood), Blepharoplasty – upper and lower lids OU (8/09), TIA (11/09)
- Medications: Aspirin 81mg QD

II. Pertinent findings
- Entrance tests: Normal OU
- Entering VA with hab spec rx: OD 20/25, OS 20/30 @ dist; OU 20/40 @ near
- Manifest:
  - OD -3.75 -1.25 x 013 +2.00add, 20/20 @ dist and near
  - OS -3.75 -1.25 x 155 +2.00add, 20/20 @ dist and near
- SLE/Fundus: Normal OU
- Pt presented not wearing hab contact lenses. Vision not acceptable since blepharoplasty sx 1 year earlier.
- Empirically fit into Blanchard Essentials Series III. Upon F/U, contacts were riding superior-temporal. Base curve was then steepened with no improvement in fit/VA. In addition, lenses were not translating enough for adequate near vision.
- GP lab consultation revealed a low success rate with simultaneous vision GP multifocal lenses post-blepharoplasty sx. Lab recommended soft lenses. Due to pt GP history, soft toric multifocals were an option of last resort. Pt was also unable to adapt to monovision in the past. Pt expressed wanting to stay in GP lenses if possible.
- Pt was then fit into X-Cel Solutions translating bifocal GP lenses. Successful diagnostic fit with translation was achieved resulting in good VA at distance and near.

III. Diagnosis and discussion
- Diagnosis: CMA with Presbyopia OU
- Discussion on GP lens fitting post-blepharoplasty
  - Survey of GP labs/practitioners’ experiences with fitting contact lenses post-blepharoplasty
- Discussion on possible refractive error changes post-blepharoplasty
- Discussion on possible ocular disease findings post-blepharoplasty

IV. Treatment, management
- X-Cel Solutions translating bifocal GP lenses
- Studies have shown that blepharoplasty surgery can result in changes in refractive error and contact lens fitting. In addition, ocular disease findings, such as dry eye, are very common post-op.
This case report will discuss several articles/studies related to blepharoplasty surgery and post-operative changes that can result. The following is a sampling.


V. Conclusion/Pearls

- Patient education is important when GP lens patients inquire about blepharoplasty sx.
  - This patient was discouraged that her surgeon had not mentioned that her contacts may fit differently post-surgery.
- Be aware that vision, along with ocular health, may be affected post-blepharoplasty sx.
- Parameter changes post-blepharoplasty sx may not result in expected fit.
- Fitting an entirely different design may be necessary to achieve a successful fit.
- Listen to your patients. Make sure to evaluate all lens options in order to make the best decisions for your patients.
- Whether surgery is for cosmetic or medical reasons, it is important for eye care providers to be aware of possible post-operative changes that can result.