

Options For Treatment



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Depend on :

- 1- Age
 - 2- Refraction
 - 3- Pachymetry
 - 4- Keratometry
 - 5- Cone Position
 - 6- Corneal Opacifications.
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Options

- 1- Glasses and follow up.
 - 2- Hard Contact Lens.
 - 3- CXL (Transepithelial – Epi-off).
 - 4- Rings (Kerarings- Myoring).
 - 5- Keratoplasty(Lamellar – penetrating)
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Rules in treatment

- 1- Non of treatment options is satisfactory for the patient.
 - 2- The disease is progressive by its nature.
 - 3- Follow up is mandatory.
 - 4- Combination of treatment options can be done.
 - 5- Keratoplasty can be a final destiny even with treatment.
 - 6- Rings mostly will be followed by glasses.
 - 7- Don't judge on improvement of V\A without correction.
 - 6- Financial aspect should be taken into consideration.
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Glasses and follow up

When ??????

- 1- Age > 28 ys old.
 - 2- Stable and low refraction with BCVA $> 6/24$
 - 3- Clear cornea
 - 4- Favorable Pentacam:
 - 1) Average Keratometry < 46 Ds
 - 2) Thinnest Pachymetry > 480 μm
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Hard Contact Lens

- GP lenses are not the same as the old hard lenses. For one thing, GP lens materials allow oxygen to pass through the lens and reach the cornea.
 - With advances in manufacturing, GP lenses are made in thinner designs, larger diameters, and with more consistently smooth edges than ever before.
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- GP contact lenses are custom made for each individual.
 - Parameters which are needed for GP contact lens request.
 - 1) Keratometry: for initial fitting
 - 2) Refraction.
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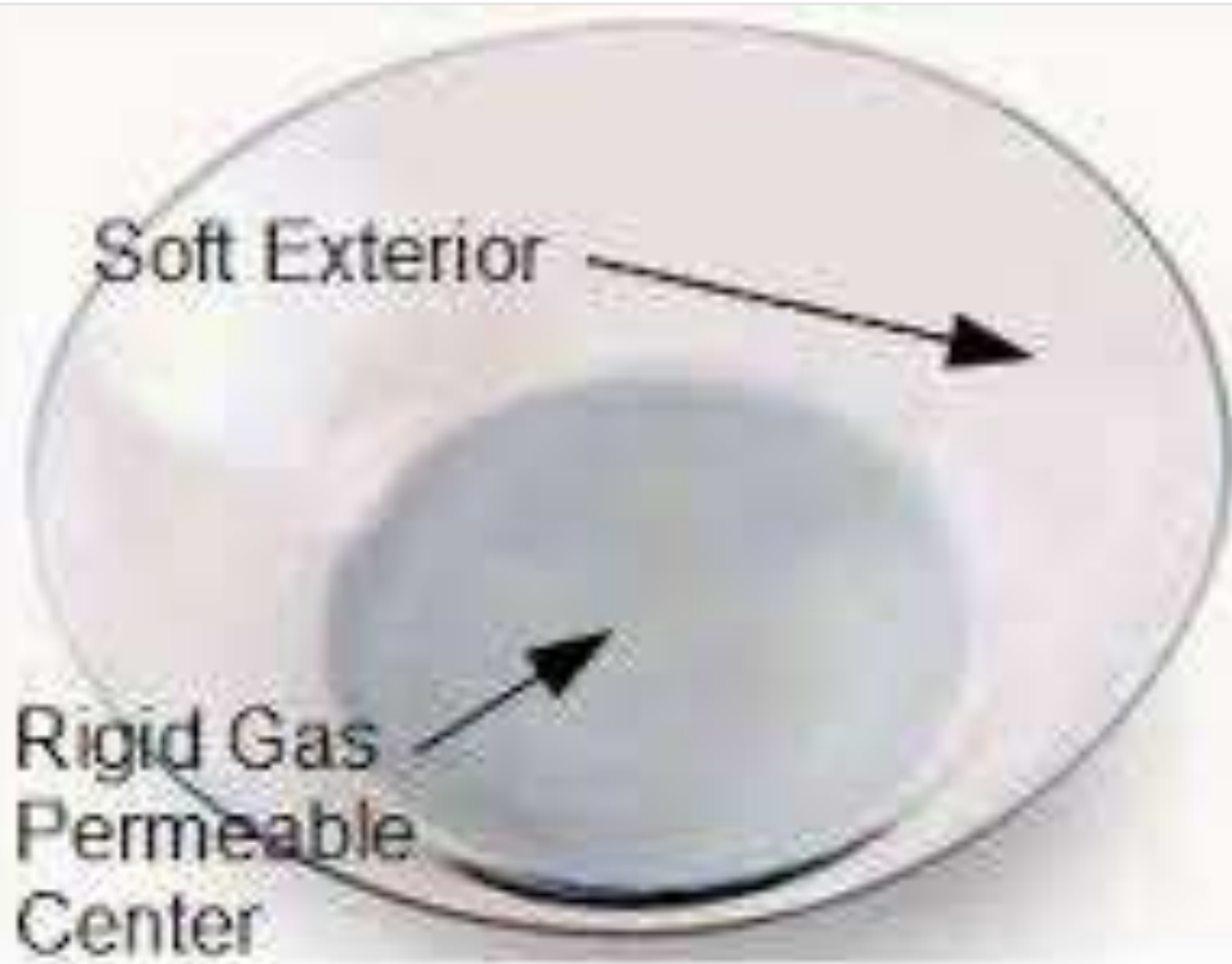


- Soft lenses do provide better initial comfort, while GP lenses require a brief adaptation period. But this is due to the size of the lens — not the lens material.

- Soft lenses are larger in diameter than GP lenses and "tuck under" the eyelids. As a result, you don't feel the lens edges when you blink. But since GP lenses are smaller, during blinking your eyelids will experience initial "lens awareness."

Hybrid lenses

This is a lens design combination that has an RGP center surrounded by a soft peripheral “skirt”. Hybrid contact can provide the crisp optics of a GP lens and wearing comfort of soft contact lenses. They are available in a wide variety of parameters to provide a fit that conforms well to the irregular shape of a keratoconic eye



CXL (Transepithelial – Epi-off).

