



Implantation of intracorneal segments KERATACx Plus with Vejarano Delaminator System

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Disadvantages of Current Technical Manual...

- Results not reproducibles neither predictables.
- Dry technique that increases vascularisation and epithelialization of channel.
- Technique with trauma to the cornea and conjunctiva.
- High probability of drilling, asymmetry and offset of the rings in the postoperative.
- Not being the tunnel at the same depth, the risk of extrusion of the segments can be more in the future.
- Contraindication to this technique in extreme cases ($K_m > 60$ dp and pachymetry < 350 um)



Disadvantages of Current Technical Manual...

- Difficulty in corneal very elastic and ectasia post-operative of LASIK and radiated keratotomy.
- Contraindication of this technique in Nystagmus.
- Infrastructure is required in O.R.
- Need a skilled surgeon surgically.
- Because of the difficulty of the technique is sought maquila from another surgeon or Femtosecond, which increasing costs.
- Need the patient cooperates in surgery.
- The results given are acceptable, but in some cases they are not optimum.





How to Facilitate Surgery Rings?

Advantages Vejarano Delaminator System



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Advantages Vejarano Delaminator System

- Easy and reproducible technique.
- Results easily predictable.
- Surgeons can perform with minimal surgical skills, little experience and low economic level.
- By having higher vacuum pressure in the eye, minimal risk of corneal perforation.





Advantages Vejarano Delaminator System

- No infrastructure is needed in the operating room (Telelupas and Frontoluz)
- Technical accessible to any ophthalmologist (Low difficulty)
- Low cost of instrumental and dissectors Vejarano (compared with Intacs ® and more with femtosecond)



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Advantages Vejarano Delaminator System

- Wet Technique (less cornea trauma)
- Portable Vacuum – No console needed
- New markers that facilitate locate exactly where the incision is and where placed each segment (30 °, 60 °, 90 °, 155 ° and 210 °), to get reproducible results.





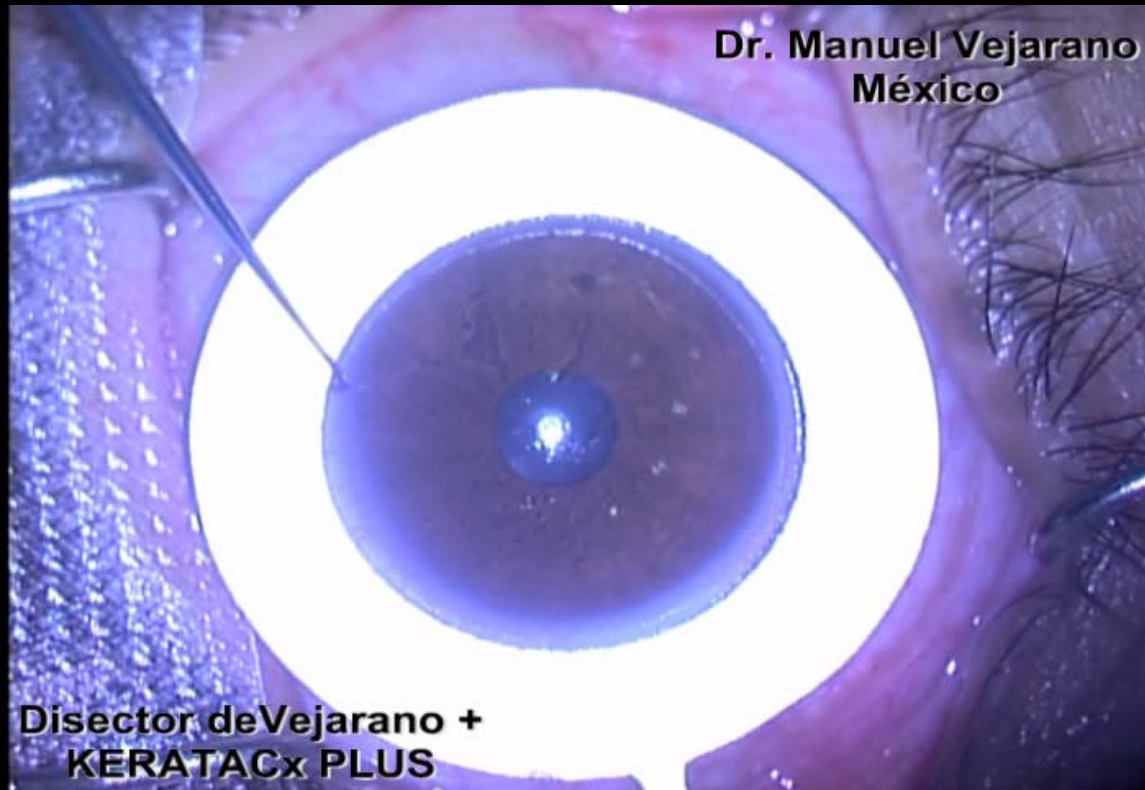
Tunnel Creation



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Tunnel Creation



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Advantages Vejarano Delaminator System

- The new instruments Delaminator System Vejarano make creating the pocket and tunnels
- Minimal risk of perforation of the cornea
- This technology can be used for new rings at different distances from the visual axis: 5, 6, 6.5, 7 mm (Vejarano Multiring)





Advantages Vejarano Delaminator System

- It can be done in very elastic corneas, Keratometry > 60 dp
- Can be performed in patients with Nystagmus
- Can be performed on very thin Pachimetries, close to 350 micras
- Easy to perform in poor collaborating patients
- Easy to perform in post-refractive surgery ectasia
- Alternative for corneas with rings previously extruded
- Useful in corneas previously submitted to corneal cross-linking





Advantages Vejarano Delaminator System

- Operating time is less than 5 minutes per eye
- Less than 10 seconds to make each tunnel
- Guaranties that the tunnel will be at the same depth and distance
- No inflammation and requires less eye tissue
- Less incidence of vascularization of the tunnel
- Faster recovery



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Advantages Vejarano Delaminator System

- It is possible to do deeper tunnels (90%) preventing future extrusions.
- Makes a uniform tunnel at the same depth.
- Prevents several passes of the dissector in the tunnel.
- Rings are easily set up.
- The rings are always symmetrical face the same depth.
- Is very easy to manipulate the rings inside the tunnel.





Advantages Vejarano Delaminator System

**Reproducible and predictable results, regardless,
the skill and experience of the surgical
ophthalmologist and is at low cost**



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Vejarano Platinum Set

- Vejarano Visual Axis Marker
- Vejarano Corneal Marker
- Vejarano Pre-Delaminator
- Vejarano Spatula “Y”
- Vejarano Delaminator -- right and left
- Vejarano “V” Glide System
- Vejarano Inserter – right and left
- Vejarano Extractor – right and left
- Vejarano Forceps for IMT KERATACx.





Vejarano Platinum Set



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- Female

- OD

- AV CD
 - Rx -14.00 (-7.50 x 5°) 20/50
 - Km 50.80x57.20x7°

- OI

- AV CD
 - Rx -16.00 (-4.75 X 10°) 20/50
 - Km 51.40 x 54.20 x 13°

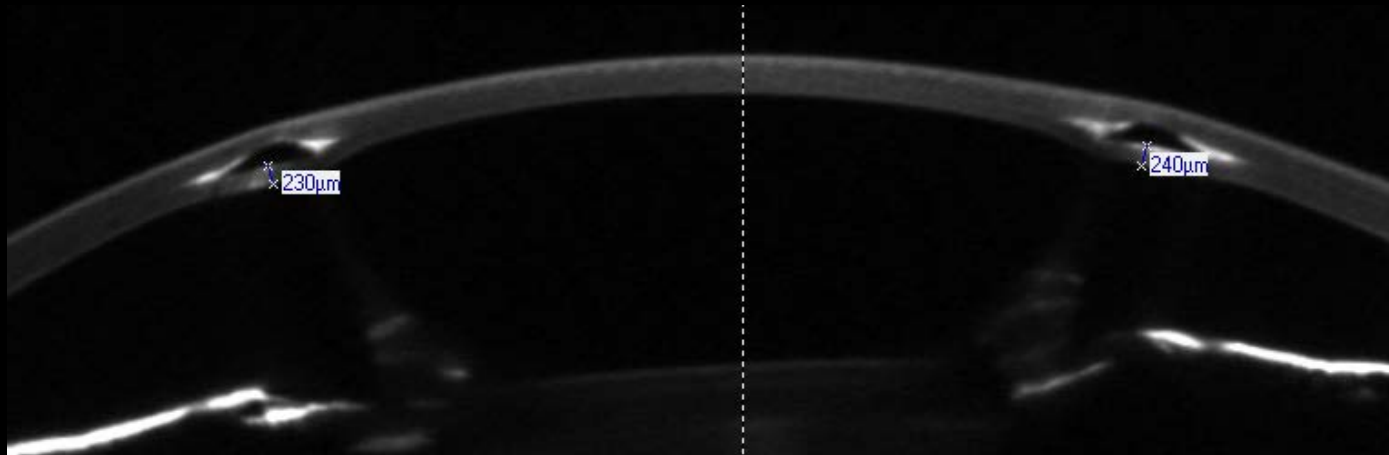




Patient No. 1

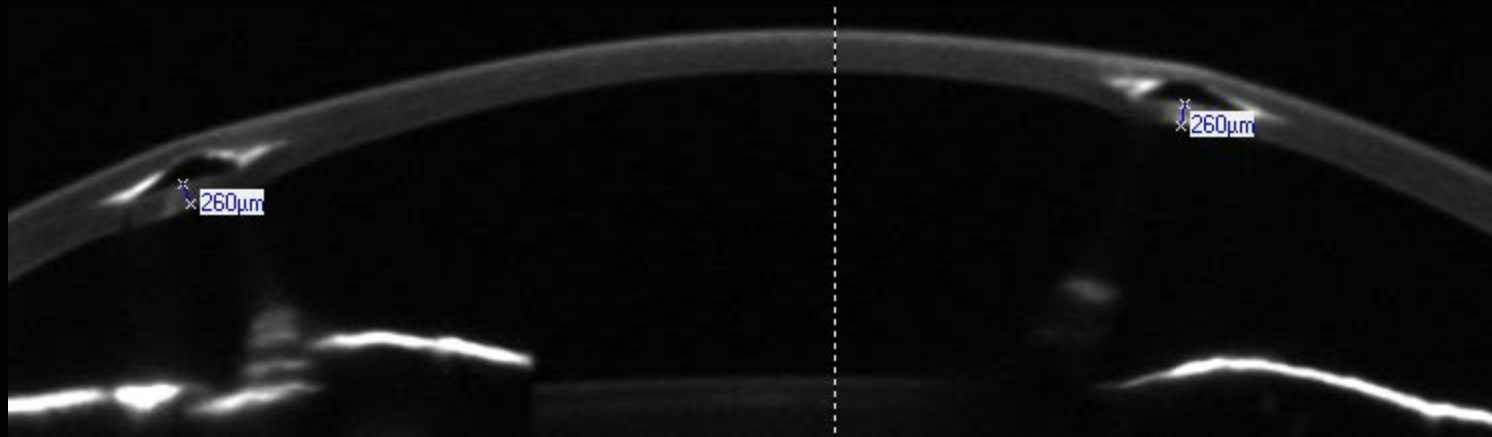


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- AV 20/150
- Rx -5.25 (-2.75 x 25°) 20/25
- Km 42.70 x 46.70 x 30°





- AV 20/150
- Rx -5.50 (-3.25 x 40°) 20/25
- Km 44.50 x 46.60 x 55°



- Male, 12 years old
- OI
 - AV 20/400
 - RX -4.50 (-6.00 x 145°)20/50
 - Km 45.70 x 51.00 x 148°

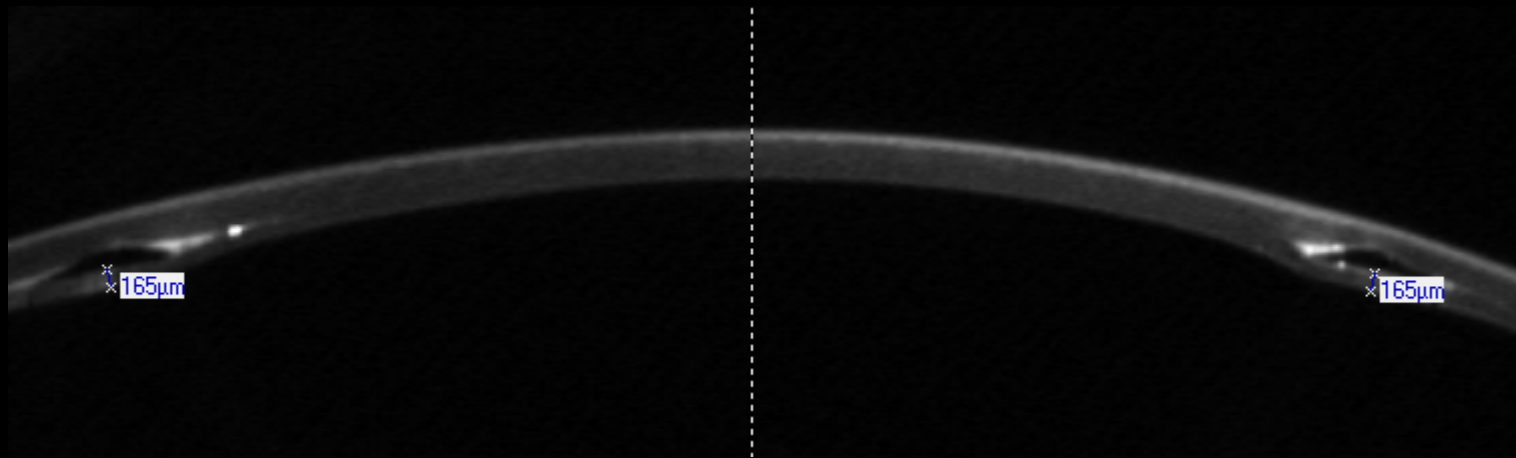




Patient No. 2



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- AV 20/70
- Rx -0.50 (-4.00 x 155°) 20/25
- Km 43.80 x 48.40 x 157°



- Male, 27 years old
 - OD
 - AV 20/400
 - Rx -4.00 (-10.00 x 30°) 20/60
 - Km 45.70 x 53.90 x 15°
 - OI
 - AV CD
 - Rx -6.00 (-9.50 X 150°) 20/50
 - Km 45.20 x 52.90 x 147°

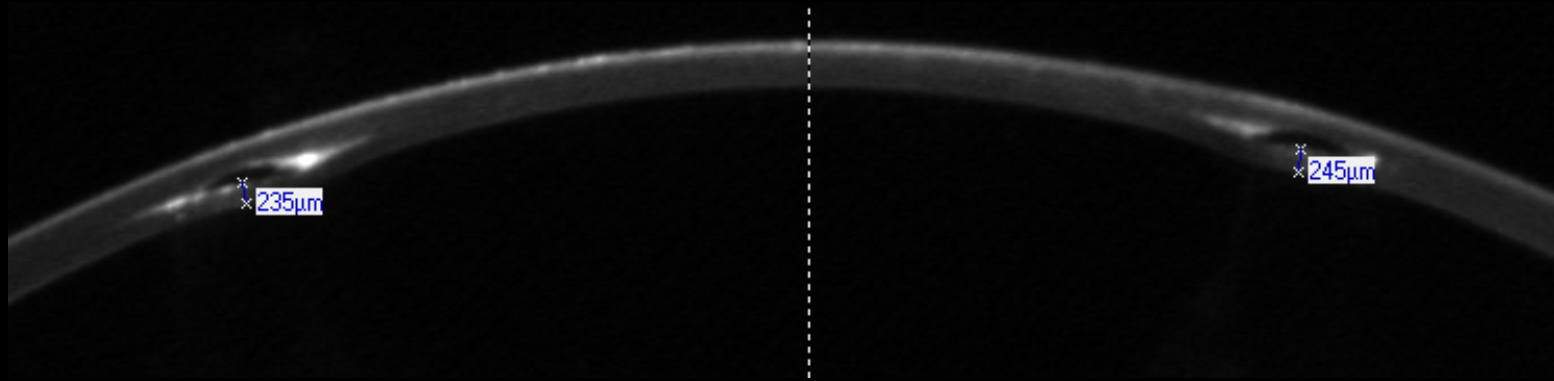




Paciente No. 3

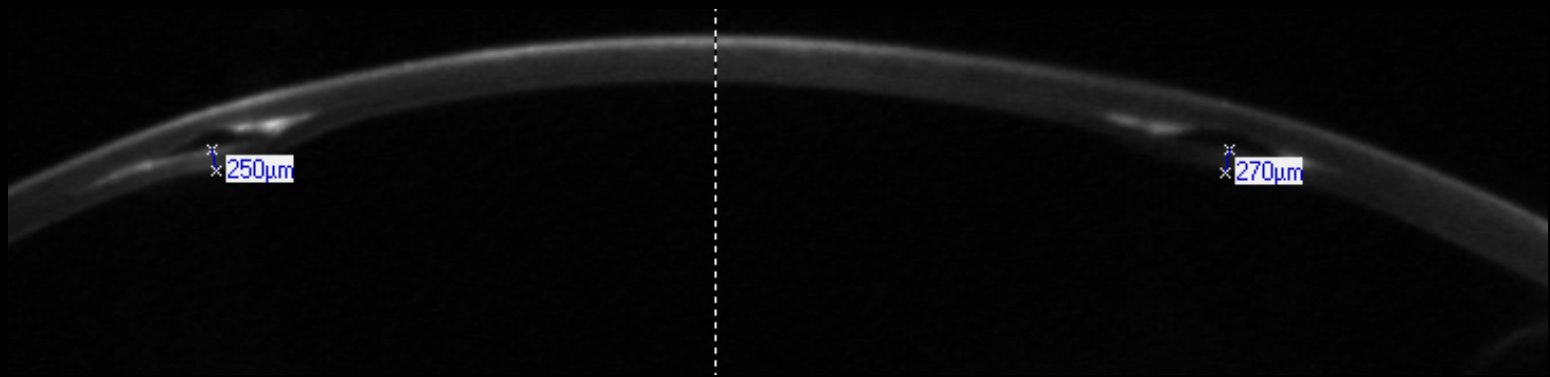


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- AV 20/200
- +2.25 (-7.00 x 5°) 20/30
- Km 44.10 x 49.00 x 28°





- 20/80
- Rx -1.25 (-2.50 x 145°) 20/20
- Km 44.30 x 47.10 x 135





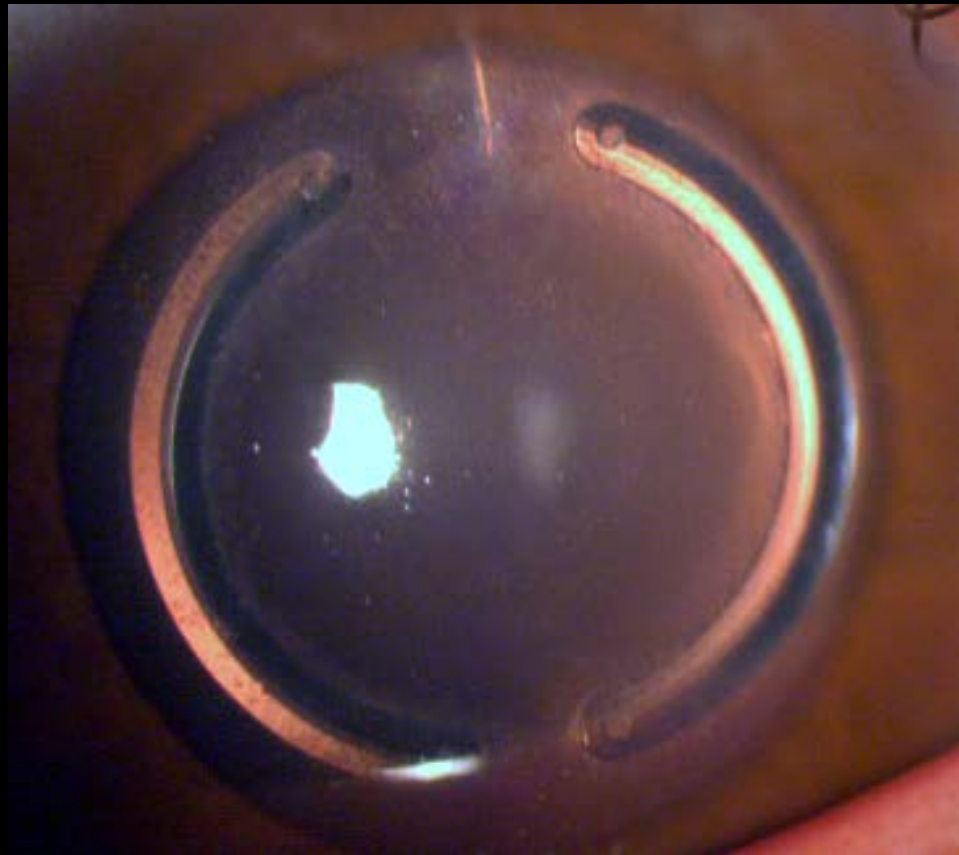
IOL con KERATACx



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Keratacx Plus implanted by Vejarano Delaminator System



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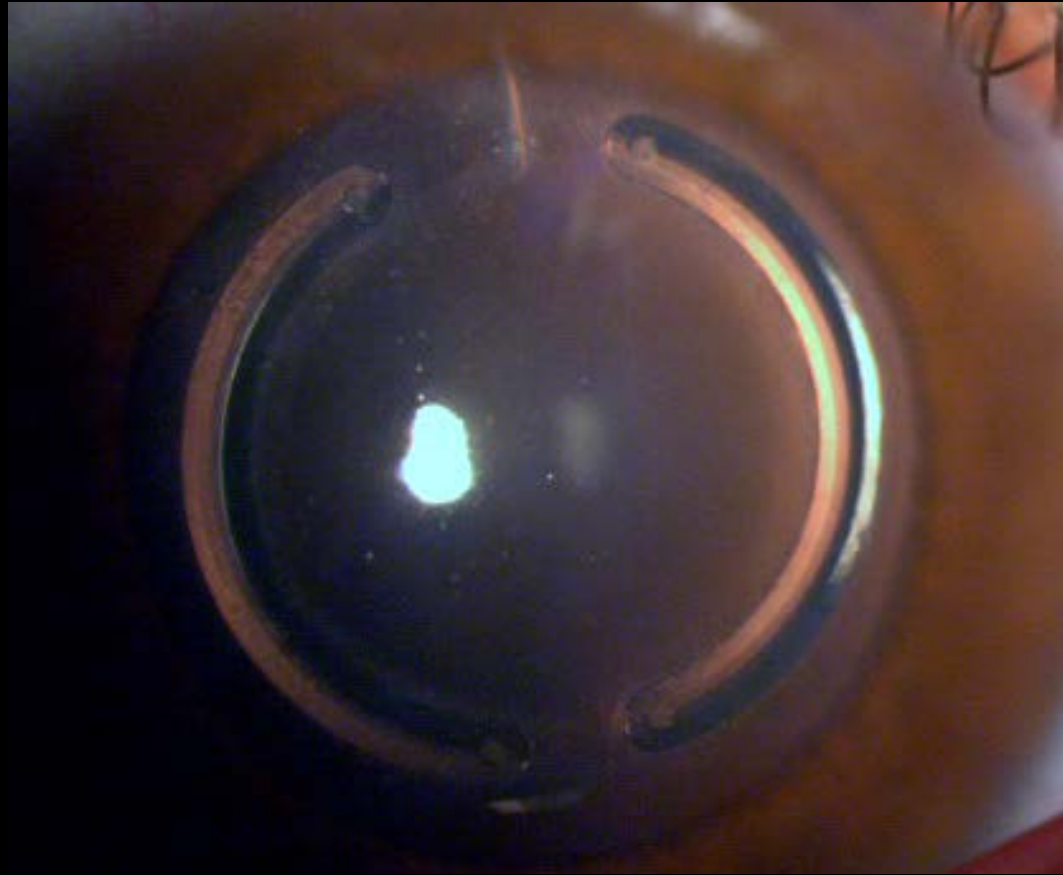
Keratacx Plus implanted by Vejarano Delaminator System



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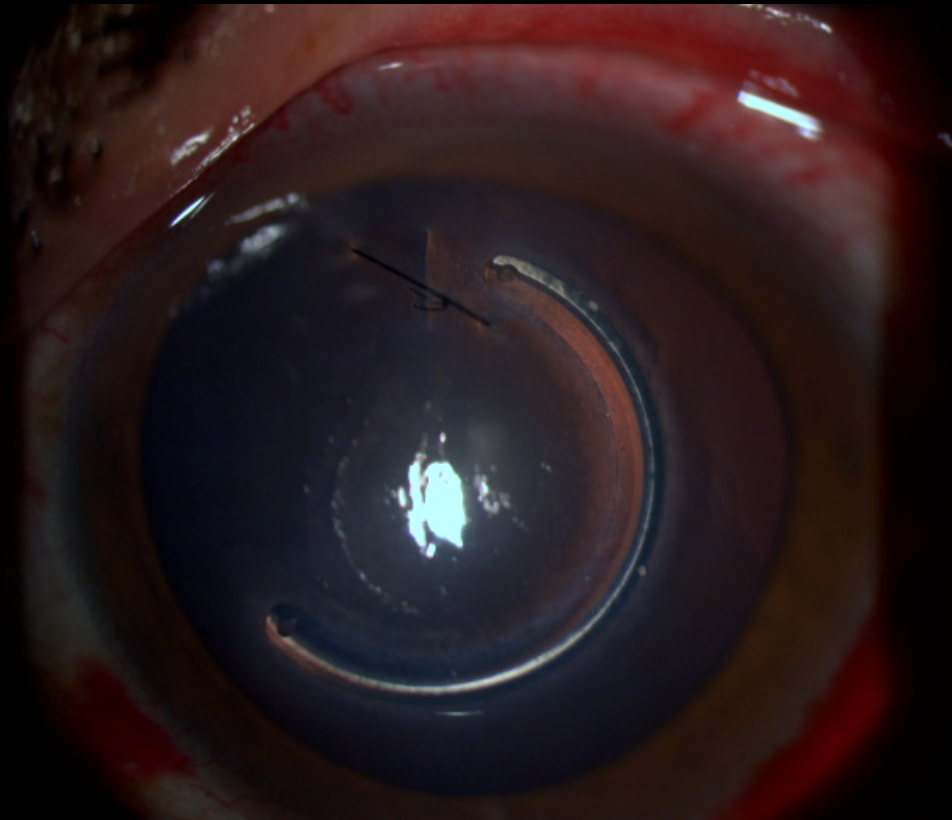
Keratacx Plus implanted by Vejarano Delaminator System



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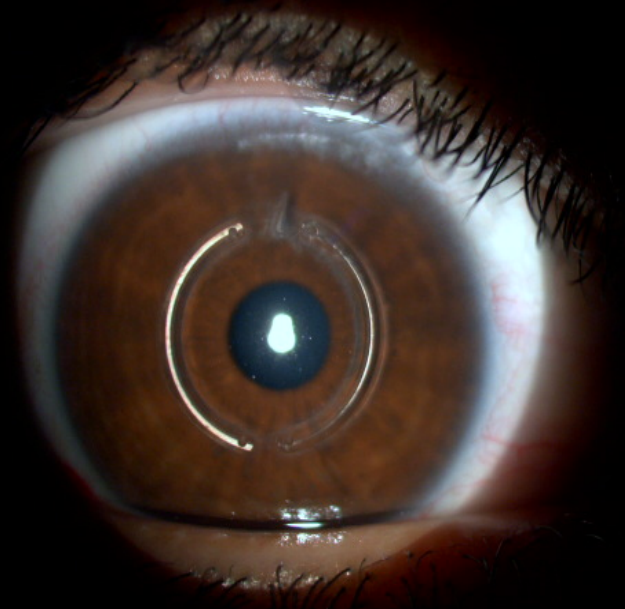
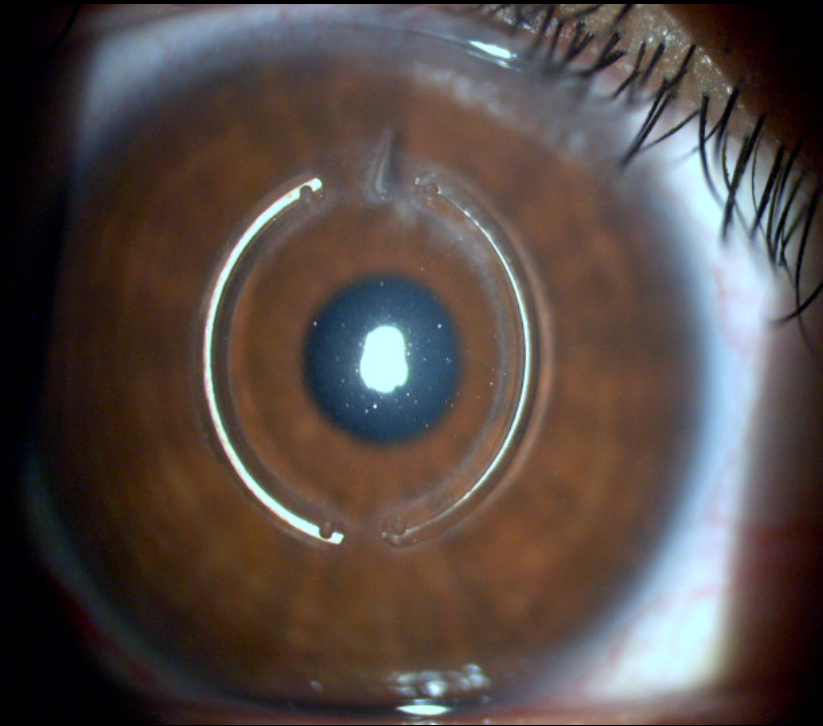
Keratacx Plus implantados con Vejarano Delaminator System



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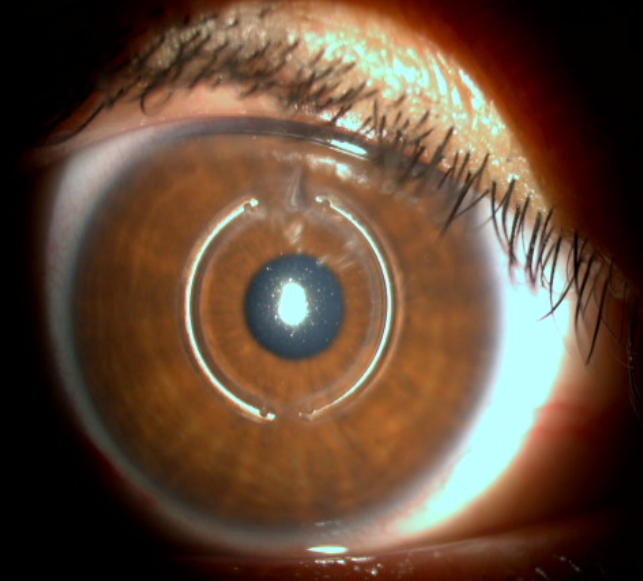
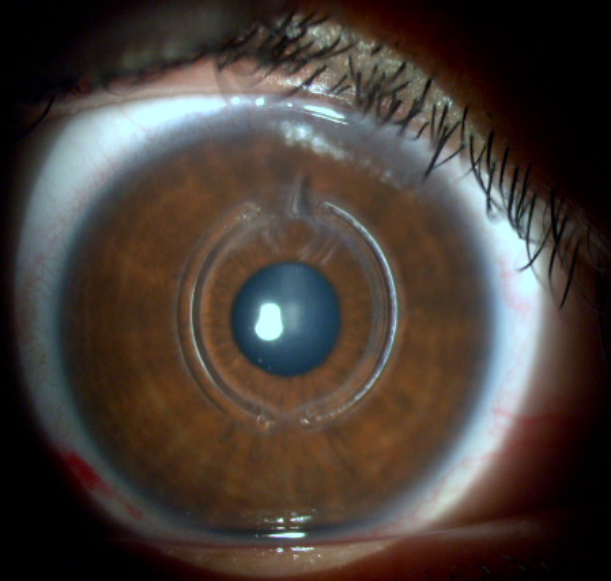
KERATACx plus



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KERATACx plus



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Advantages of Vejarano Delaminator System

- It can do deeper tunnels (90%) preventing future extrusions
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- The rings are always symmetrical face the same depth
- Easily manipulate the rings inside the tunnel





Advantages of Vejarano Delaminator System

- A new instrument which facilitates the surgery and popularize of implantation of Keratacx
- It not requires a surgeon skilled surgically
- It not requires infrastructure in the operating room
- Low cost "Available to all ophthalmologists"
- Is not necessary the cooperation of the patient in the surgery
- To increase the production of new KERATACX for extreme cases



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Conclusions

By providing the technical, do more reproducible results at low cost in the necessary equipment, it does not require a lot of infrastructure in the operating room; To be available to all, regardless of ability Ophthalmologists and surgical experience.

It will increase exponentially the number of surgeries that will be reflected in the increased income of Ophthalmologists.



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VEJARANO[™]
DELAMINATOR SYSTEM
IMPERIAL MEDICAL TECHNOLOGIES



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New Futures designs of Vejarano Keratacx

- Improve current results
- Correct as many diopters of astigmatism
- Fix more field
- reproducible results
- Correct over 10 D to 8D of sphere and astigmatism
- Improve sphericity and reduce the aberrations of the cornea



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New instrumental Vejarano Delaminator System



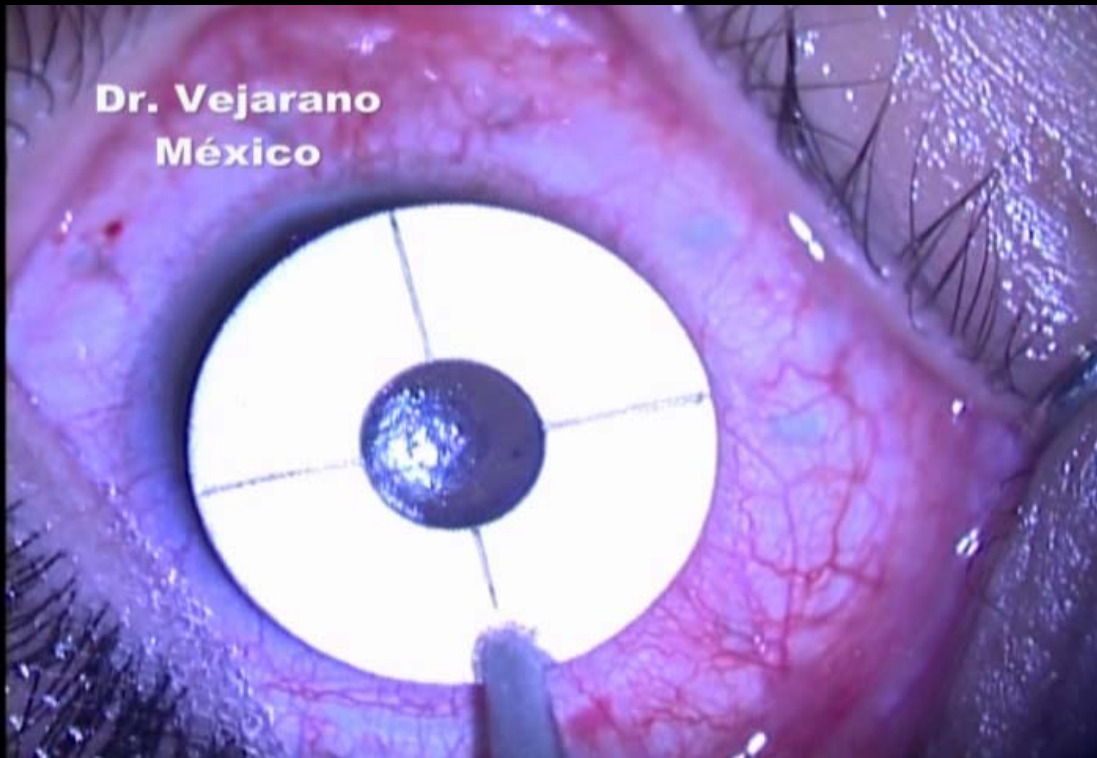
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Vejarano Multi rings (Keratacx V)





Vejarano Marker Keratacx 90° , 120° , 160°



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Vejarano Inserter / Vejarano Extractor



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Keratacx Plus Cross linking ICL Toric



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VEJARANO DELAMINATOR UPGRADE SET

It includes:

Corneal marker Vejarano 5 mm.

Spatula in "Y" Vejarano.

Delaminator of Vejarano: right and left.

UPDATE your basic set of Intacs with Delaminator Vejarano upgrade set and make it Vejarano System Delaminator obtaining greater accuracy and better results



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VEJARANO DELAMINATOR UPGRADE SET



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VEJARANO DELAMINATOR SYSTEM

IT WILL FACILITATE the process
IMPROVE results
ELIMINATE complications
INCREASE their income

*With just a small investment you can purchase
your own Vejarano Delaminator System.*



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Thank you...



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