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ROYAL MAXIM PALACE KEMPINSKI, CAIRO

Migrated Dexamethasone Implant

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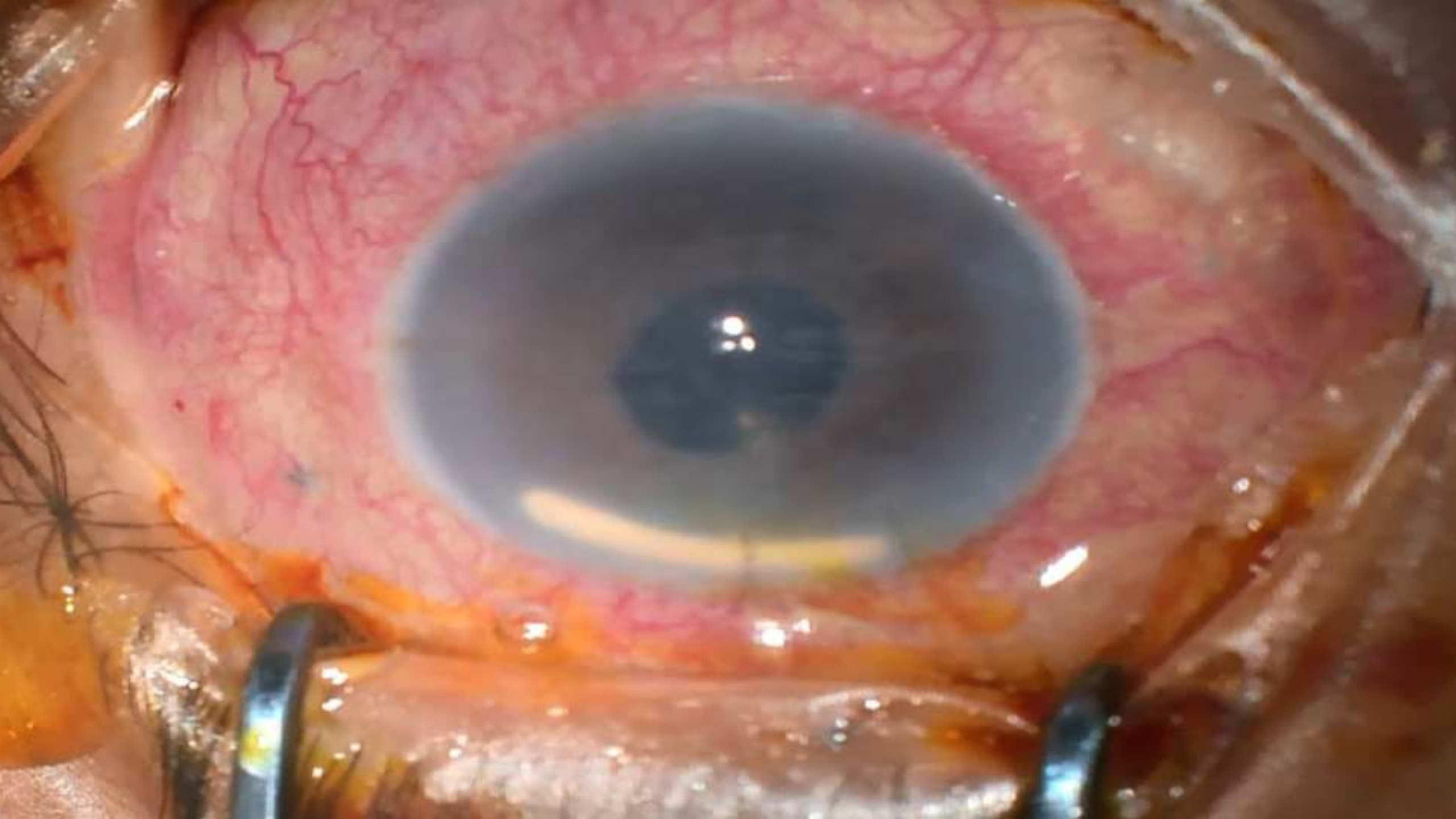
Migration is more common when the posterior capsule is compromised:

- ✓Pars Plana Vitrectomy ,Yag posterior capsulotomy ,Aphakia , sulcus-fixated IOL.
- ✓Scleral-fixated IOLs, or anterior chamber IOL.
- The implant moved from the vitreous into the anterior chamber .
- It is toxic to the corneal endothelium if left and terminates with decompensation.

Case Scenario

- 69 years old male underwent cat sx elsewhere with scleral fixed IOL ME 650 micron VIA CF 2 Meter IOP 18 MMHG HBA1C 6.9% Decision taken for intravitreal dexamethasone implantation .
- Patient followed 1 day ,1 week after implantation **where the implant was in place.**
- 1 month later patient presented with drop of vision with the implant migrates in the AC as shown in next photo.



Management generally fall into three categories :

Observation:

"**Wait and See** " approach may be considered if the cornea is clear and the implant eventually will be dissolved.

Repositioning :

- ✓ Positional Manoeuvres: by Placing the patient in a supine (lying on the back) or reverse Trendelenburg position,
  - sometimes combined with pharmacological pupil dilation and gentle external ocular massage.
- ✓ Needle Repositioning: fine needle is used at the slit-lamp to gently push the implant back through the pupil (risky and not applicable).
- ✓ Surgical Repositioning: Moved back into the posterior segment by a small incision.

Surgical Removal (Explantation):

- This is the most common definitive treatment for complicated migration to save the cornea.
- The implant is removed from the anterior chamber, typically through a small corneal or limbal incision.
- Techniques involve using an ophthalmic (viscoelastic) to protect the corneal endothelium and using micro-forceps or vitrectomy cutter aspiration.
- The implant is friable, and removing it in one piece can be challenging.

Take Home Message

Not All Pseudophakics are candidate for Dex. Implant Please Be Sure That Posterior Capsule Is Intact.

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•THANK YOU

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