



Procedure Information Sheet

Introduction

Silicone oil is used during operation such as a retinal tear repairment. It acts as a tamponade or plug to arrest hemorrhaging or adhere the retina into normal position during vitrectomy. Silicone oil is generally removed after three months if the retina is attached and also must be removed upon the development of oil emulsification, band keratopathy, secondary glaucoma, or cataract.

Indication

1. To stabilize or improve eye condition
2. To reduce risk of silicone oil related complications

The Operation / Procedure

1. The procedure can be performed under local anesthesia.
2. Small cuts are made in the sclera, the whitish part of the eye, to remove the silicone oil.

Before the Operation / Procedure

1. Eyelids should be kept clean to reduce the risks of post-operative infection.
2. Your doctor may prescribe eye drops before the procedure. Make sure you follow the guides of its administration.
3. Cosmetics and makeup should be avoided on the day of procedure.
4. Inform your doctor if you have systemic diseases such as hypertension, stroke, heart disease, diabetes, voiding difficulty or are taking western medications (especially blood thinners like Aspirin or Warfarin), traditional Chinese medicine or health supplements on a regular basis.

After the Operation / Procedure

1. Avoid eye rubbing.
2. Avoid swimming and vigorous activities for a few weeks.
3. Avoid dirty water getting into your operated eye for the first weeks.
4. Wear clothes with buttons and not pullovers in order to avoid the clothes coming in contact with the operated eye to prevent infection.
5. You are required to take the medications and attend follow up according to doctor's instruction.
6. You may need post-operative posturing or no air travel.
7. If you notice the following signs or symptoms, you should contact your doctor, Eye Centre or Out-patient Centre for consultation.
 - excessive bleeding
 - severe pain
 - fever
 - signs of infection like redness, swelling, large amount of discharge or odor

Patient's Label

Patient Name: _____

Hospital No: _____

Episode No: _____



Risk and Complication

General risk and complication list as follow:

- Infection, bleeding, inflammation, eye discomfort or pain
- Wound malunion or related complication, Scarring
- Lid and conjunctival swelling
- Tearing
- Need for repeat/further surgery or procedures
- Recurrence of original condition or failure to control condition

Specific risk and complication list as follow:

- Residual silicone oil
- Retinal detachment
- High/low eye pressure, visual field loss, refractive error change
- Lens damage, cataract progression, aphakia, intraocular lens subluxation or dislocation, posterior capsular opacification
- Macular edema and pucker, retinal vascular occlusion, corneal edema or decompensation, scleral perforation
- Ptosis
- Risk of regional anesthesia allergy
- Retrobulbar hemorrhage
- Endophthalmitis
- Suprachoroidal haemorrhage
- Phthisis bulbi
- Sympathetic ophthalmia
- Blindness, permanent visual loss

Disclaimer

This leaflet only provides general information pertaining to this operation / procedure. While common risks and complications are described, the list is not exhaustive, and the degree of risk could also vary between patients. Please contact your doctor for detailed information and specific enquiry.

Reference

Issa, R., Xia, T., Zarbin, M. A., & Bhagat, N. (2020). Silicone oil removal: post-operative complications. *Eye (London, England)*, 34(3), 537–543. <https://doi.org/10.1038/s41433-019-0551-7>

Hospital Authority (Jan 2019) consent for operation/procedure/treatment: silicone oil removal.

Patient's Signature: _____ Date: _____

Patient's Label

Patient Name: _____

Hospital No: _____

Episode No: _____