
Our vision: Is for Australians to be free of glaucoma blindness

PRESERFLO® MicroShunt

What is it?

PRESERFLO® MicroShunt is a tiny, soft, flexible stent that helps your eye drain excess fluid, may lower eye pressure, and prevent further vision loss. PRESERFLO® MicroShunt will not restore vision already lost to glaucoma.

How does it work?

PRESERFLO® MicroShunt is designed to drain excess fluid from your eye, which may lower eye pressure and prevent further vision loss.

Who is it suitable for?

PRESERFLO® Microshunt is suitable for patients with open angle glaucoma in whom medical and laser therapy have failed or are not suitable. It is not suitable for patients with narrow or closed anterior chamber angles.

What are the benefits?

Compared with traditional glaucoma surgeries, PRESERFLO® MicroShunt may result in fewer complications after surgery.

In the pivotal study, the majority of PRESERFLO® MicroShunt patients were medication-free at 12 months.¹ Your physician will determine whether medications are required following implantation of PRESERFLO® Microshunt.

Before the Procedure

Your doctor will provide you with specific instructions prior to the operation. You will usually be asked to continue with all your usual medications including your glaucoma eye drops even on the day of surgery.

You will likely have a period of fasting immediately before the surgery but again your doctor will provide you with the specific details. Be sure to follow instructions accurately and discuss associated risks, safety information, and questions you may have prior to surgery. For your safety, arrange to have someone take you home after surgery.

During the procedure

PRESERFLO® MicroShunt is a surgical device implanted into the eye for the management of glaucoma to help drain excess fluid out of the eye. The surgery is usually performed as a day procedure in an operating room under local anaesthesia. The procedure is less invasive than traditional glaucoma surgeries and may take less time to complete. Its size, shape, and fin help keep the PRESERFLO® MicroShunt stable and securely in place, and it is designed to resist degradation over time.

After the procedure

In the first week after surgery, you may experience symptoms including:

- Blurry vision
- Eye redness
- Eye swelling

These symptoms should go away. To help the recovery process, your surgeon may prescribe eye drops. Do not rub your eye or perform any strenuous activity, including heavy lifting or physical exercise, shortly after surgery.

What are the risks?

The potential risks of PRESERFLO® Microshunt are similar to those of a trabeculectomy, including infection risk that is lifelong, risk of haemorrhage inside the eye during the surgery and in the early postoperative period, intraocular pressure that is too low after the surgery due to over draining of intraocular fluid, droopy eyelid, and loss of vision. There is also a risk of poor positioning of the device and a need for repositioning. Fortunately, all these risks are low. Your surgeon will discuss the risks in detail with you prior to embarking on surgery. It is important that you understand the risks and ask questions to clarify if you do not.

Are there any alternatives?

The alternative treatment options are glaucoma eye drops, laser therapy, one of the other MIGS devices, or conventional glaucoma surgery. Your doctor will be able to explain each of these and whether they are suitable for you.

REFERENCES: 1. Baker D, Barneby H, Moster M, et al. Ab-Externo MicroShunt versus Trabeculectomy in Primary Open-Angle Glaucoma. *Ophthalmology*. May 2021, doi: <https://doi.org/10.1016/j.ophtha.2021.05.023> 2. Pinchuk L, Riss I, Batlle JF, Kato Y, Martin JB, et al. The use of poly(styrene-block-isobutylene-block-styrene) as a microshunt to treat glaucoma. *Regenerative Biomaterials*. 2016;3(2):137-142

