

Surgical procedure

- 1 Perform minimally invasive incision
- 2 FCVB implanted with injector
- 3 Silicone oil injected via drain valve to restore intraocular pressure and provide support for the retina
- 4 Fix the drain valve under the conjunctiva

FCVB injector



The FCVB can be implanted with the FCVB reusable injector.

The Pars Plana Vitrectomy (PPV) surgery can be performed by a vitreoretinal surgeon or an orbital surgeon, through an incision of 3.5 mm.

Depending on the model of the FCVB, we offer 2 different types of reusable injectors.

Foldable Capsular Vitreous Body

The first safe and effective vitreous substitute



About Vesber

Vesber Biotechnology Co., Ltd. was established in 2007. The company is located in the High-tech Industrialization Promotion Center of Guangzhou.

The focus of Vesber is mainly engaged in research on development, manufacturing and sales of high-tech ophthalmic medical products.

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The first safe and effective vitreous substitute

Foldable Capsular Vitreous Body is the first foldable capsular vitreous body (FCVB) made from Medical grade biocompatible polymer (FDA registered material) and contains a vitreous-like capsule, drain tube and drain valve. The silicone oil could be injected into the capsule via a drain valve to support the retina and eyeball.

FCVB reduces the healthcare and economic costs significantly in case of trauma or silicone oil dependent eyes.

The new standard

Support the retina [360] and maintain eyeball shape

Avoid silicone oil emulsification and displacement

Keep normal posture after the implantation

CE and ISO 13485 certified

The best choice for ophthalmologists

Easy

The FCVB can be implanted with the FCVB injector through an incision of 3.5 mm, the surgeon can adjust and maintain the intraocular pressure.

Clinical Experience

With more than 122 clinical studies and many successful surgeries, the FCVB got satisfied surgeons feedback and positive patients responses, improving quality of life.

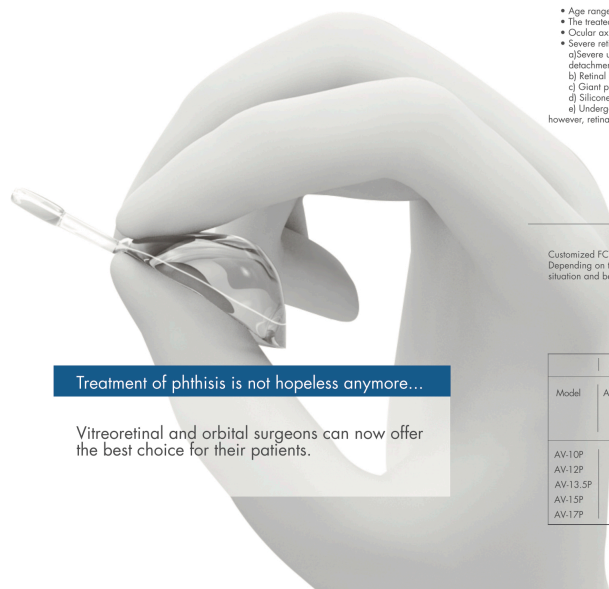
Unique

The FCVB is covered by 22 patents issued by the United States, Europe, Japan, Russia, Canada, Australia and China. And now also CE and ISO 13485 certified.

Patient outcomes

Patients with a FCVB reported a positive psychosocial impact. 95% of all patients reports an increased social functioning. FCVB has a better cosmetic outcome than an eye-protheses.

In case of ocular trauma what do you prefer? Enucleation or evisceration?



Treatment of phthisis is not hopeless anymore...

Vitreoretinal and orbital surgeons can now offer the best choice for their patients.

FCVB product intended use

- Age range from 18 to 65, man or woman;
- The treated eye vision is less than 0.05;
- Ocular axial length is between 16 and 28 mm;
- Severe retinal detachment that cannot be treated by current vitreous substitutes;
- Severe unilateral ocular perforating injuries, compounded retinal or choroidal detachments resulting from retinal rupture or retinal choroidal hemorrhage, or;
- Retinal or choroidal defect resulting from severe unilateral ocular rupture injuries, or;
- Severe unilateral ocular perforating injuries, compounded retinal or choroidal detachments resulting from retinal rupture or retinal choroidal hemorrhage, or;
- Giant posterior scleral rupture injuries that cannot be repaired, or;
- Silicone oil cannot be taken out for a long time with incomplete reattachment, or;
- Undergone retinal detachment surgery and silicone oil tamponade twice or more; however, retina is re-detached after silicone oil removal.

Superior performance

Customized FCVB models to have the best comfort for the patient. Depending on the axial length and anteroposterior diameter. According to the patient's situation and below mentioned figure, the right model can be selected.

| Model | FCVB | | Patients | | Suggested injector |
|----------|-------------------------------|------------------------|--------------------------|-------------------------------------|--------------------|
| | Anteroposterior diameter (mm) | Vertical Diameter (mm) | Ocular Axial Length (mm) | Recommended silicone oil Volume(ml) | |
| AV-10P | 10 | 13 | 16-19.9 | 0.70.9 | PI4 |
| AV-12P | 12 | 15 | 20-21.4 | 1.4-1.7 | PI4 |
| AV-13.5P | 13.5 | 15.5 | 21.5-22.9 | 1.8-2.2 | PI3 |
| AV-15P | 15 | 19.9 | 23-24.9 | 3.5-4.0 | PI3 |
| AV-17P | 17 | 22 | 25-28 | 4.0-5.0 | PI3 |