

Ocular Prosthesis is an artificial eye, fitted to patients whose eye has been removed and for those with blind contracted (physical) eye. During enucleation (the surgical process of removing the eye), a ball implant is inserted into the eye socket, to fill the area the eye once occupied. An ocular prosthesis is then moulded to fit in front of the implant. It occupies the space between the eyelids and the skin (conjunctiva) covering the implant.

### Aravind Ocular Prosthetic Centre

Aravind Ocular Prosthetic Centre was established in 2004 and is now one of the leading centers in India for custom fitting of artificial eyes. Since inception, the centre has fitted artificial eyes to over 1300 satisfied customers.



*The loss of an eye no longer has to mean the loss of a natural appearance*

### Materials Used

Custom made artificial eyes are made of high density medical grade PMMA which is highly compatible for the socket and has high resistance to breakage.



### Fabrication Procedure

An impression of the patient's socket is taken using non toxic and non allergic alginate powder. Using this impression a wax model is developed. This wax model is then carved to the exact contour of the patient's socket so as to determine the structure and shape of the prosthesis. Lid structure and motility is checked using the wax model. Using the wax model, a mould is made and using the mould, the acrylic eye is finally made. In the next step, the eye is hand painted to match the other eye and then cured. Next, a clear coat is given and then polished giving the artificial eye a natural appearance with a three dimensional effect.

### Benefits of Custom fit Eye

Custom made artificial eye offers far more benefits than the readymade eye. Since the artificial eye fits well into the socket, the patient finds it very comfortable and there is virtually no discharge. As it sits snug in the socket, it tends to move making it all the more natural. Since they are hand painted to match the other eye, they look natural enhancing the appearance of the person giving a boost to their confidence and self esteem.

### Durability

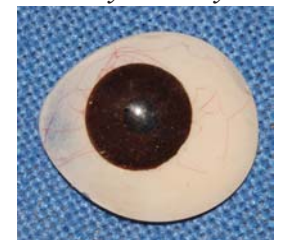
The acrylic material, colour and veining are chemically bonded and cured at certain temperature and pressure to provide long lasting prosthesis and permanent color. They may last for about 5 to 10 years. The material can be scratched or damaged if dropped on rough surfaces.

### Fitting Techniques

Before removal and fitting wash your hands thoroughly; to reduce the risk of infection and

*Custom Fit Eye*

*Readymade Eye*



irritation. For fitting and removal of the prosthesis, either with hand or with suction rubber follow ocularist's instructions.

### Care and Maintenance

- Use body soap and water to clean the prosthesis.
- Use saline solution or an eyewash for cleaning the eye socket.
- Use of lubricating drops will help avoid dryness, usually one drop in the morning and one at night.
- In normal circumstances, cleaning once a month is sufficient. However, frequency of removal and cleaning may vary with each patient.
- Come to the centre once a year for periodic checkup and polishing. Polishing will remove the salt deposits and minute scratches.

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### For further information, contact

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**ARAVIND EYE HOSPITALS**  
& Postgraduate Institute of Ophthalmology

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#### ARAVIND - PONDICHERRY

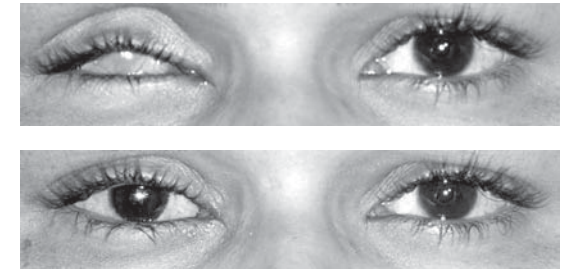
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[www.aravind.org](http://www.aravind.org)

# Ocular Prosthetic Centre

*A custom fit ...*



*... makes a  
world of difference*

 **ARAVIND**  
*in service for sight*