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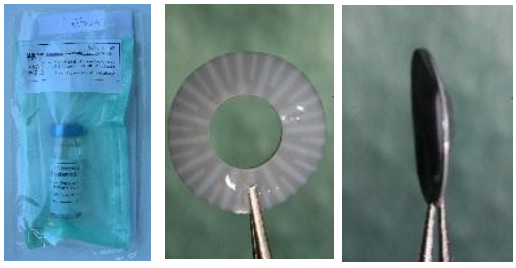
Hydrogel Intracapsular Iris Implant „NOVIRIS“

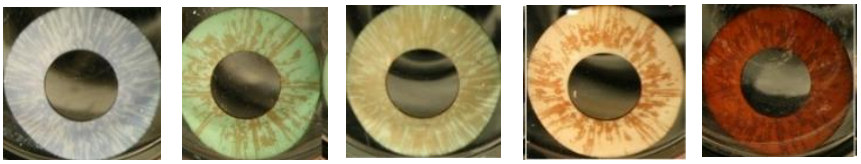
The first implants in iris part-defect or aniridia were introduced in 80-ies of the last century. Originally, hard stenopeic intraocular lenses, segments or intra-capsular wrings were used followed by soft silicone or acrylate membranes that can be implanted through a small incision. Professor Jan Novak from Pardubice, Czech Republic was the first to have used black intra-capsular stenopeic silicone membranes, manufactured by ELLA-CS s.r.o., Hradec Kralove CZ.

After ELLA-CS s.r.o. had closed its manufacture, Wilens s.r.o. has developed **soft hydrogel iris implants** by using an intraocular lens material. These implants are stenopeic concave 9 mm dia membranes with pupil size of 3 or 4 mm. This is an optimal size which guarantees an easy implantation into the capsula, good mesopic vision and makes possible eye ground investigation as well as potential PPV surgery without a need of the membrane explantation. Iris implant can be inserted through 1.5 mm incision; thanks to an incavated implant shape the intraocular lens is easy to centre.

Iris implant



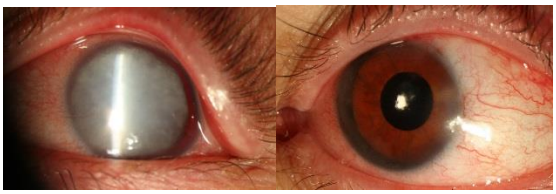
Basic colours

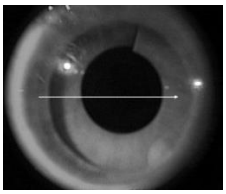


grey-blue green yellow-green yellow brown

Examples:

Left: the eye with a congenital aniridia before and after cataract surgery and hydrogel iris implantation.
Right: another patient with a plegic pupil; membrane´s discission at 1´clock was purposly made during surgery.





Hydrogel iris implant is manufactured as a **custom-made medical device** under EN ISO 13485. In this case, a full patient´s and opthalmologist´s identification is demanded but no CE marking is applied.

Implants are packed in a double-sterile packaging. At double-side aniridia, the implant colour is to be chosen from the standard set. At one-side defect, the implant is manufactured according to the colour picture of the sound eye.

Note: Colours in the flyer are just on approval and need not correspond to colours of true implants!

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