

## **Haji Saghir-Ul-Hassan (27364-4558) Profile**

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### **Albinos Treatment with Various Iris Prosthetic System (IPS)**

#### **"GOOD NEWS FOR ALBINOS WHO CAN NOW GET NEW LEASE OF SIGHT AND AESTHETIC LOOK WITH RUSSIAN IRIS PROSTHETIC SYSTEM"**

This is a 46 years old religious scholar based at USA since early youth but actually belongs to Bagh, Azad Jammu & Kashmir. He has suffered from severe Oculo-Cutaneous Albinism. He presented with moderately severe congenital pendular nystagmus with alternate exotropia, right being straight, fixating eye. His unaided visual acuities were 0.1 right eye and hand motion left eye. Preoperatively he had right fixating eye since he had dense nuclear sclerotic cataract in the left as compared to mild similar cataract in the right eye, but after a successful left cataract surgery with Reper iris prosthesis with + 18.5 D clear 4 mm optical button (MIOL-IRIS mod.A1) his left BCVA has improved to 0.2 but his right BCVA is down to 0.1 at 1meter since it is constantly divergent and left is now a fixating eye. His near vision is N5 with a special illuminated loop that he has been using pre-operatively. His eyes are showing gross degenerative phenomenon as one would expect in such cases. His anterior as well as posterior segments are showing extreme degeneration of conjunctiva, scleral thinning & rarefaction so prominent with very weak lens zonules, liquefied vitreous with gross chorio-retinal degeneration and hardly any pigment cells anywhere in the eye. So much so that I tried prophylactic peripheral indirect argon laser photocoagulation but there was hardly any visible uptake.

**Past Hx:** No previous history of any kind of surgery performed on his eyes.

**Operation notes:** Had left Phacoemulcification with 4 points scleral supported Reper iris prosthesis carried out on 12.08.14. Since his zonular support was very weak that is why I did not implant the prosthesis in the bag. He had similar procedure to the right eye on 22.09.14.

#### **Comments:**

Patient has experienced great subjective improvement in light sensitivity and glare immediately after left eye surgery. After the right eye implantation he has got rid of all kind of ghosting and other unwanted images. Improved quality of vision is directly proportional to enhancement of one's personality. His social and psychological embarrassment has vanished and now he desires to apply for renewal of his driving licence at USA though he is effectively visually handicapped person but this single procedure has improved confidence in his self.

We could have implanted him with Morcher ([www.morcher.com](http://www.morcher.com)) type 67G single piece iris diaphragm IOL which has 5 mm clear optic diameter centered in a black diaphragm 10 mm in diameter. Haptic like Ophtec IPS has eyelets for trans scleral fixation.

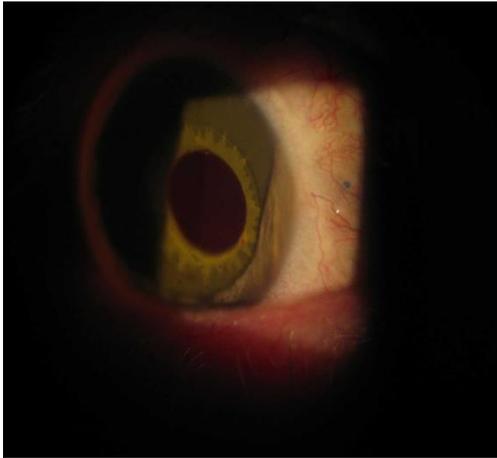
We have different other IPS on the market which are available for phakic patients who requires cataract extraction followed by IPS like Morcher type 96G, single fin or 50C multiple fin, endocapsular implantation depending on the amount of iris tissue loss

congenitally or acquired traumatic loss. We also have Ophtec endocapsular IPS which includes double element inside capsular bag with capsular tension ring and an IOL. [www.dr-schmidt-iol.de](http://www.dr-schmidt-iol.de) & [www.humanoptics.com](http://www.humanoptics.com) The Customflex Artificial *Iris* is the world's first foldable artificial iris, which is used for optical and aesthetical reconstruction of eyes with complete or partial aniridia. The Artificial *Iris* is individually custom-made – giving it a very close match to the patient's original iris color.

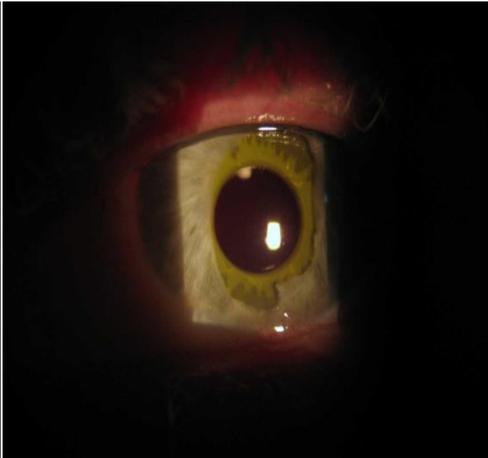
Another innovation: the new implant offers optimal optical features and is foldable, only a small incision is required for insertion. The Artificial *Iris* reduces glare and at the same time increases depth of focus and contrast sensitivity. When treating partial aniridia it is even possible to just use a segment of the Artificial *Iris* Implants currently available on the market are manufactured only in a few standard colors. The Artificial *Iris*, however, matches the patient's original iris color. Only like this a natural look can be achieved. [www.reper.ru](http://www.reper.ru) are Russian made IPS. These prosthesis are foldable, only a small incision is required. These can be custom-made, but the good thing about these IPS is that single lens can be used in the bag by trimming the haptics, or in the sulcus by leaving it in original shape and design or it can be sutured trans-sclerally with 9/0 prolene or 7/0 Gortex if there is no bag support.

***I am using some of the above IPS for ocular albinos who might be having cataract or not but they definitely need to be made free of glare and at the same time to increase their depth perception as well as improve on their contrast sensitivity.***





Right Eye After Operation



Left Eye After Operation

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