ARTIFICIAL IRIS
FOR TREATMENT OF COMPLETE AND PARTIAL ANIRIDIA
ANIRIDIA

Complete or partial aniridia usually leads to varying degrees of visual symptoms and ocular problems. Many individuals with aniridia may feel further affected by the nonaesthetic aspect of their eyes. Thus, management of aniridia is a challenge, and often an iris reconstruction using prosthetic devices is required. HumanOptics (Dr. Schmidt Intraocularlinsen), in collaboration with Professor H.-R. Koch (Bonn, Germany), developed the ARTIFICIALIRIS to treat aniridia successfully.

WHY THE ARTIFICIALIRIS?

The ARTIFICIALIRIS is the only foldable iris prosthesis that offers a means of treating both the clinical and aesthetic problems of aniridia, allowing patients to get back to normal daily activities quickly.

Patient with complete aniridia in the right eye  
Same patient after implantation of the customized ARTIFICIALIRIS

BENEFITS

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<tr>
<th>Biocompatibility</th>
<th>Long and safe track history of highly biocompatible medical-grade silicone</th>
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<tbody>
<tr>
<td>Foldability</td>
<td>Flexible material that can be folded and rolled for insertion through small incisions</td>
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<td>Versatility</td>
<td>Intended for placement in the ciliary sulcus or in the capsular bag</td>
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<td>Can be easily sized and shaped to fit a specific iris defect</td>
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<td>Combinable with most intraocular lenses</td>
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<td>Regulated light transmission</td>
<td>Reduces photic phenomena, enhances contrast sensitivity and eliminates transillumination defects with:</td>
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<td>- a fixed aperture of 3.35 mm</td>
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<td>- an opaque black posterior surface to absorb light completely</td>
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<td>Cosmetic rehabilitation</td>
<td>Individually customized implant to mimic the patient's original iris appearance</td>
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1 Pictures are courtesy of Kevin M. Miller, MD, Jules Stein Institute, University of California, Los Angeles, USA
2 Silicone material identical to the silicone used in HumanOptics IOLs, with over 15 years of successful clinical use
APPLICATION

- Overall diameter: 12.8 mm
- Pupil size: 3.35 mm
- Injectable
- For further information, please visit www.artificial-iris.com or contact customerservice@humanoptics.com

TWO MODELS ARE AVAILABLE

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<th>ARTIFICIALIRIS with Fiber</th>
<th>ARTIFICIALIRIS Fiber Free</th>
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<tr>
<td>For cases where suturing is indicated</td>
<td>For cases where suturing is not indicated</td>
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The implant can be individually sized and shaped

PLEASE NOTE:

The ARTIFICIALIRIS is not intended for cosmetic color change. The ARTIFICIALIRIS is designed for placement in the posterior chamber, not in the anterior chamber. It is strongly recommended that the ARTIFICIALIRIS be implanted after natural lens removal and IOL implantation.

“When I looked in the mirror the first time after surgery … I cried with joy.
I had never expected such a beautiful result.”

Patient statement after implantation of ARTIFICIALIRIS. Translated from German.
“Until recently, aniridia, congenital or acquired, was an untreatable disease. The development of an artificial iris implant has completely changed the situation. With the new device it is now possible to offer an aesthetically perfect and functionally satisfactory solution for all patients with aniridia or major iris defects. The possibility to do this through a 3 mm incision is an additional benefit.”

MICHAEL E. SNYDER, MD  CINCINNATI EYE INSTITUTE, CINCINNATI, USA

“A patient … suffered severe, disfiguring damage to her eye in a car accident as a young child. Now in her 20s, the young woman recently underwent implantation of a HumanOptics artificial iris. She called to tell me that receiving the artificial iris was one of the best things that had ever happened to her …. She still calls or sends a note periodically just to remind me and my team of her happy result.”

STEPHAN KAMINSKI, MD  TRIEMLI HOSPITAL, ZURICH, SWITZERLAND

“Until now, iris reconstruction was a challenging surgical procedure requiring large sclerocorneal incisions and often resulting in poor cosmetic outcomes. With the ArtificialIris, small self-sealing incisions are possible, enabling fast visual recovery and excellent cosmetic outcomes. The device may be used for complete or partial iris reconstruction.”

IKE AHMED, MD  UNIVERSITY OF TORONTO, ONTARIO, CANADA

“ArtificialIris is a device designed to correct the subjective symptoms of aniridia, including photophobia and glare, and to provide an excellent cosmetic result… It is a highly versatile tool in anterior segment reconstruction as it can be folded and injected into the capsular bag or sutured to the sclera.”

1 Personal statement, 2014.
ARTIFICIAL IRIS – STEP BY STEP

Individual production of a customized ARTIFICIAL IRIS takes approximately four to eight weeks upon receipt and approval of your order. To avoid any delays in placing your order, please follow the instructions given below.

ONLINE CERTIFICATION COURSE (OCC)

HumanOptics has developed an online certification course in collaboration with an international group of iris experts. The course provides comprehensive knowledge of the ARTIFICIAL IRIS use and meets the new training standards. Each participant receives a certificate number which is required to proceed with the order.

PHOTO PRINTOUT

The color composition of the ARTIFICIAL IRIS is a custom design based on a photo print-out. Since we must rely on the photo printouts we receive, utmost care should be taken to ensure the best quality pictures. A guide (photo directives) for creating high-quality photos and print-outs can be found at www.artificial-iris.com.

ORDER FORM

The order form needs to be filled out completely to avoid delays in placing orders. You can download the forms from www.artificial-iris.com. Signed photo printouts and order forms should be sent via mail to HumanOptics AG, Spardorfer Str. 150, 91054 Erlangen, Germany.

The ARTIFICIAL IRIS (CustomFlex) is currently subject to a US FDA clinical trial
PROVIDES YOU WITH

- PRODUCT INFORMATION
- SURGERY VIDEOS
- ONLINE CERTIFICATION COURSE
- PHOTO DIRECTIVES
- ORDER FORM
- PUBLICATION LIST
- PATIENT INFORMATION

DISTRIBUTED BY:

HumanOptics AG · Spardorfer Str. 150 · 91054 Erlangen · Germany · Tel. +49 (0) 9131 50 66 5-0 · Fax +49 (0) 9131 50 66 5-90 · mail@humanoptics.com