HUMANOPTICS
ARTIFICIAL IRIS

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No Relevant Financial Disclosure
Not Approved For Use in US
Limited to FDA Investigation
Loss of Iris Tissue or function can have devastating effects on quality of vision, glare, cosmesis, and general quality of life.

No Artificial Iris Devices are US FDA Approved

Humanoptics Custom Iris is Limited to Investigational Use Only

No Other Devices are Available in the US
“HARNESSING” THE HUMANOPTICS IRIS

- Bag Fixation
- Sulcus Fixation
- Sewn to IOL
- Sewn to Sclera
- Sewn to Native Iris Remnant

SP ACUTE NAG/FILTER
PERFORATING INJURY

• 49 y/o woman sustained perforating corneal injury to LE in 1980
• RE – normal all aspects
• LE – CF VA

OUTCOME LE
POST-OP

Uninvolved RE  Implant LE

“HARNESSING” THE HUMANOPTICS IRIS

• Bag Fixation
• Sulcus Fixation
• Sewn to IOL
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ICE – SP: KPE/PKP/SHUNT
“HARNESSING” THE HUMANOPTICS IRIS

- Bag Fixation
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40 Y/O HIGH MYOPE

[Images of eyes and close-up of the iris]
Perforating Injury
"Harnessing" the Humanoptics Iris

- Bag Fixation
- Sulcus Fixation
- Sewn to IOL
- **Sewn to Sclera**
- Sewn to Native Iris Remnant
Congenital Aniridia

- Mutation PAX6 Gene – neuro-ectodermal abnormalities
- Wilm's Tumor 1:70
- Aniridia (rudimentary stump)
- Photosensitivity, nystagmus
- Corneal stem cell deficiency with neovascularization, haze ulceration, and scarring
- Cortical, PSC, polar cataracts, THIN FRIABLE CAPSULE
- Zonulopathy
- Glaucoma- Aniridic Fibrosis Syndrome
- Foveal Hypoplasia or Aplasia – reduced visual acuity

29 Y/O Male – Congenital Aniridia - Humanoptics Artificial Iris LE