Contraindications

- Ocular diseases or conditions that could prevent the Argus II System from working (e.g., optic nerve disease, central retinal artery or vein occlusion, history of retinal detachment, trauma, severe strabismus).
- Ocular structures or conditions that could prevent the successful implantation of the Argus II Implant or adequate healing from surgery (e.g., extremely thin conjunctiva, axial length <20.5 mm or >26 mm, corneal ulcers, choroidal neovascularization in the area of the intended tack location, etc.).
- Ocular diseases or conditions (other than cataracts) that prevent adequate visualization of the inner structures of the eye (e.g., corneal opacity, etc.).
- Inability to tolerate general anesthesia or the recommended antibiotic and steroid regimen associated with the implantation surgery.
- Predisposition to eye rubbing.

HUMANITARIAN DEVICE: Authorized by Federal (U.S.) law to provide electrical stimulation of the retina to induce visual perception in blind patients with severe to profound retinitis pigmentosa and bare light or no light perception in both eyes. The effectiveness of this device for this use has not been demonstrated.

Consult our website www.2-sight.com for additional prescribing information, including warnings, precautions, and side effects.
System Overview

How Does Argus II Produce Sight?

Camera sends visual data to VPU
Wireless transmission to implant
Signals sent to electrode array
Stimulation of retinal cells
Information to brain = patterns of light

What does the therapy entail?
Surgical installation of the implant marks the beginning of the therapy. After surgery the implant is custom programmed for the patient in the clinic. After programming is complete, the patient begins low-vision rehabilitation (5-10 sessions) to learn how to use their Argus II in everyday life.

Features of the Argus® II

- Most clinical experience of any retinal prosthesis ever developed.
- Upgradable external hardware and software to benefit from future innovations.
- Minimal time from implantation to first system use and use at home.
- Video processor with adjustable settings for individual preferences; for example:
  - Contrast enhancement.
  - Video inversion.
- 20° maximum possible field of view:
  - Can be compared to a 30 cm ruler held out at arm’s length.
- Audible signals that provide information.
- MR conditional.

Who is eligible for the Argus II?
The Argus II Retinal Prosthesis System is intended to provide electrical stimulation of the retina to induce visual perception in blind patients. It is indicated for use in patients with severe to profound retinitis pigmentosa who meet the following criteria:

- Adults, age 25 years or older.
- Bare light or no light perception in both eyes.
- Previous history of useful form vision.
- Patients will be aphakic or pseudophakic post-operatively.
- Willing and able to receive the recommended post-implant clinical follow-up, device fitting, and visual rehabilitation.

The Argus II implant is intended to be implanted in a single eye, typically the worse-seeing eye.

Disclaimer: this is intended to demonstrate how the system operates, and may not reflect the specific visual performance of a given user of the system.
How Does Argus II Produce Sight?

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Wireless transmission to implant

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Information to brain = patterns of light

System Overview

The Implant
The implant is an epiretinal prosthesis surgically implanted in and around the eye that includes an antenna, an electronics case, and an electrode array.

External Equipment
The patient-worn external equipment includes glasses that house a small video camera, a Video Processing Unit (VPU) and a cable.

Video Processing Unit (VPU)

Camera

Antenna

Electronics Case

Electrode Array

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