

PiDO - Accommodative Intraocular Lens (Mor)

Ehud Assia, Meir Medical Center, Head of Ophthalmology

Name of Project: PiDO - Accommodative Intraocular Lens

Inventors: Professor Ehud Assia - Head of Ophthalmology Department

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Medical Center: Meir Medical Center

Field of Invention: Accommodative intraocular lens (AIOL)

Technology: PiDO is a next-generation accommodative intra-ocular lens that utilizes visual enhancement systems to exploit the eye's natural accommodation mechanism. The system enables patients to change their focus of vision to near, intermediate, or distance vision in the natural way that young people do, without the need for glasses. The novel Presbyopic AIOL is based on a unique design that can be implanted during and after cataract surgery or refractive lens exchange (RLE).

Market: Total current IOL market is estimated at \$1.9 billion in the United States, \$3.4 billion worldwide, Accommodating IOLs are projected to grow to \$600 million in the US by 2014 (more than 20 percent of total US IOL market).

Advantages: Breakthrough approach provides an intraocular lens that is truly accommodative to changes in focus.

Patent Status: Patent application pending

Development Status: A pre-clinical small animal study is planned to demonstrate the functionality of the design within the present year. A human pilot study will commence within two years.

Contact for more information:

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