

ARTIFICIALIRIS – CUSTOMFLEX IRIS PROSTHESIS

PUPIL SIZE CONSIDERATION FOR VITREORETINAL SURGERY

According to Michael E. Snyder, MD, Voluntary Assistant Clinical Professor of Ophthalmology, Cincinnati Eye Institute, Cincinnati, OH, USA (May 7, 2014).

The difference between the "pupil" (the actual size of the pupil inside the eye) and the "entrance pupil" (the size of the pupil as measured by viewing through the cornea) must be considered.

The ArtificialIris pseudo pupil size is moulded at 3.35 mm, this equates to an entrance pupil of roughly 4.5 mm. Many geriatric patients, especially those on Flomax, frequently do not dilate to even that 4.5 mm mark.

For required vitreoretinal surgery, for example with the Haag-Streit Eyeboss, BIOM, or other wide angle viewing systems, visualization is adequate for nearly all maneuvers, with the exception of tasks such as epiciliary peels which, similar to eyes with native irides, require ocular endoscopy to perform properly. With an endoscope, the pupil aperture is irrelevant.

If a required vitreoretinal intervention cannot be done with the device in situ with modern techniques, the device can be explanted (and potentially re-implanted, if kept sterile on the table).