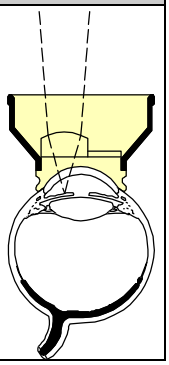
Ocular Abraham Iridectomy Laser Lens

Product Code	Image Mag	Laser Spot Mag	Contact OD	Lens Height
OAIA CE	1.60x	.63x	15.5mm	16.5mm

Designed with:
Robert K. Abraham, M.D., Encino, CA

Reference:
Ophthalmic Surgery and Lasers, Vol. 27, No. 3, pp. 209-227, March 1996
Int. Ophth. Clinic Glaucoma Surgery, Vol. 21, No. 1, Spring 1981
Ophthalmic Surgery, Vol. 11, No. 8, pp. 506-515, August 1980
Perspectives in Ophthalmology, Vol. 4, No. 2, pp. 129-138, June 1980



Design

- A modified Goldmann-type fundus lens with an 8mm diameter, 66D, 1.6x magnification plano-convex button bonded to it.
- It has a high efficiency, anti-reflective coating for either the Argon or Diode lasers bonded to its surface.
- Focusing the laser beam on the iris through the lens, the diameter of the iridian spot becomes 60% of that which would have occurred without using a lens. Thus, by reducing the diameter at the iris, one has increased the power density by a factor of 2.5x.
- Protection against superficial corneal burns also occurs with the use of this lens as the diameter of the laser beam is increased at the cornea, thus *decreasing* the power density at the cornea by a factor of 2.8x.

Cleaning and Disinfection

See Cleaning Method 1

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