Ocular Abraham Iridectomy Laser Lens

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Image Mag</th>
<th>Laser Spot Mag</th>
<th>Contact OD</th>
<th>Lens Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>OAIA</td>
<td>1.8x</td>
<td>.63x</td>
<td>15mm</td>
<td>16.5mm</td>
</tr>
</tbody>
</table>

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

**Reference:**
- Ophthalmic Surgery, Vol. 11, No. 8, pp. 506-515, August 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**
- Rinse: Immediately upon removal from patient's eye, thoroughly rinse in cool or tepid water.
- Wash: Place a few drops of mild soap on a moistened cotton ball. Gently clean with a circular motion.
- Rinse: Thoroughly rinse in cool or tepid water, then dry carefully with a non-linting tissue.
- Then: Proceed with either disinfection or sterilization instructions.

**Disinfection**

<table>
<thead>
<tr>
<th>Glutaraldehyde</th>
<th>OR</th>
<th>Bleach</th>
</tr>
</thead>
<tbody>
<tr>
<td>2% or 3.4% aqueous solution</td>
<td>10% solution mixed at: 1 part bleach to 9 parts cool tepid water</td>
<td></td>
</tr>
<tr>
<td>Temperature per manufacturer instructions</td>
<td>Recommended exposure time = 10 minutes</td>
<td></td>
</tr>
<tr>
<td>Minimum exposure time = 20 minutes</td>
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<td></td>
</tr>
</tbody>
</table>

**Caution**
To avoid damage to the lens, do not exceed recommended exposure time.

Then:
- Rinse lens thoroughly to remove disinfection solution.
- 3 cycles of 1 minute, with cool or tepid water is recommended.
- Dry carefully and place in a dry storage case.

**NOTE**
This lens is known to be compatible with: Asepti-Wipe, Cavi-cide, Cidex, Cidex OPA, DisCide Wipe, Enviro-cide, and Opti-Cide

**Caution**
If used on an ulcerated cornea, lens must be STERILIZED before next procedure.

**Sterilization**

<table>
<thead>
<tr>
<th>AUTOCLAVE</th>
<th>STERRAD</th>
<th>STERIS SYSTEM 1</th>
<th>ETO</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Per manufacturer instructions</td>
<td>See Right</td>
</tr>
</tbody>
</table>

**ETO Parameters**
- Minimum Time: 1 hour
- Temperature: 130°F (54°C)
- Aeration Time: 12 hours

**WARNING**
Never Steam Autoclave or Boil listed lenses.
Never soak in Alcohol, Acetone or Other Solvents.

For information on compatibility with alternative product care methods, contact Customer Service.

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