Guideline for optimal outcome with LENTIS® Mplus and Mplus®
1. Preoperative patient selection

**General inclusion criteria**

- Corneal astigmatism ≤ 0.75 dpt
- Decentred optical axis ≤ 0.8 mm center shift
- Bilateral implantation
- No strabismus
- Correct benefit rating with dry eye problems

**Expected postoperative visual acuity of ≥ 0.63 decimal (0.2 logMAR, 20/32 Snellen)**
- Photopic pupil size ≥ 3mm, mesopic pupil size ≤ 6 mm
- Wearer of contact lenses need to observe a 2 week waiting period
- Informed patient regarding the MIOL advantages and the possible MIOL limitations

2. **Choice of lens**

- Patient demand for excellent distance vision
- Recommended for hyperopic and emmetropic patients
- Fast neuro-adaptation

- Patient demand for excellent near vision
- Recommended for myopic and emmetropic patients
- For mix and match strategy with LENTIS® Comfort

3. **IOL calculation with optical biometry device**

<table>
<thead>
<tr>
<th>nominal</th>
<th>Haigis</th>
<th>HofferQ</th>
<th>Holl.1</th>
<th>SRK/T</th>
<th>SRK II</th>
</tr>
</thead>
<tbody>
<tr>
<td>A=118.0</td>
<td>a₀ = 0.95</td>
<td>pACD=5.21</td>
<td>sf=1.47</td>
<td>A=118.5</td>
<td>A=118.6</td>
</tr>
</tbody>
</table>

- Recommended Haigis for eye length ≥ 22.0 mm and HofferQ for eye length < 22.0 mm
- Mplus target refraction: 0 to -0.25 dpt
- MplusX target refraction: +0.3 dpt

4. **Intraoperative management**

- Incision location at steep corneal axis to reduce residual corneal astigmatism
- Generally vertical positioning with near segment downwards, for active patients upwards
- Positioning based on Purkinje reflex: Rotate the near segment away from the Purkinje reflex, showing the decentred optical axis and thus ensure the IOL transition zones don’t cover the Purkinje reflex

5. **Postoperative evaluation**

- No use of auto-refractometers or aberometers for vision quality evaluation, measured outcomes with objective refractions often lead to faulty
- Subjective refraction is recommended with carefully use of minus because the patients pick this up with near foci
- Patient satisfaction will increase due to neuro-adaptation, including an adequate waiting time for perfect results

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