**Supplementary digital content 1: Demographics, clinical features, type of surgical intervention, and outcomes after simple endothelialectomy with or without additional interventions**

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| **Sl no** | **Patient number** | **Age at surgery (months)** | **Laterality** | **Pre-operative vision (log MAR)** | **Corneal opacity location, size, and severity** | | | | **Lens status** | **Peters**  **type** | **Surgical intervention performed** | **Peak IOP recorded at different visits (mm Hg)** | **Disc** | **SEPA outcome** | **Post-operative vision (log MAR)** | **Follow up**  **(months)** |
| **Location** | **Size (mm)** | **Severity** | **HCD (mm)** |
| 1 | 2 | 133.7 | OU-OS | 1.09 | Zone-1 | 7.5 x 8 | Severe | 10 | KILD | 2 | SEPAL | 26 | 0.5 | Cleared | 0.40 | 8 |
| 2 | 3 | 4.5 | OU-OS | 3 | Zone-1 | 5.5 x 4.5 | Mild | 10.5 | Clear | 1 | SEPA | Normal | Healthy | Partly cleared | 0.97 | 19 |
| 3 | 7 | 77.7 | OU-OD | 1.3 | Zone-1 | 5.5 x4.0 | Mild | 10 | clear | 1 | SEPA | Normal | Healthy | Partly cleared | 0.6 | 6 |
| 4 | 10 | 15.7 | OD | 3 | Zone-1 | 3 x 3.5 | Mild | 10.75 | clear | 1 | SEPA | Normal | 0.4 | Cleared | 1.09 | 10 |
| 5 | 11 | 1.8 | OU-OD | 3 | Zone-1 | 3 x 4 | Moderate | 11.25 | clear | 1 | SEPA | Normal | 0.3 | Cleared | 3 | 18 |
| 6 | 13 | 1.2 | OS | 3 | Zone-1 | 5 x 5 | Moderate | 11 | Clear | 1 | SEPA | Normal | 0.2 | Partly cleared | 0.61 | 28 |
| 7 | 16 | 7.16 | OU-OD | 3 | Zone-1 | 3.5 x 4.5 | Moderate | 9.5 | Clear | 1 | SEPAO | Normal | 0.3 | Partly cleared | 170 | 4 |
| 8 | 17 | 2.8 | OU-OS | 3 | Zone-1 | 5 x 5 | Moderate | 10 | Clear | 1 | SEPA | Normal | 0.3 | Partly cleared | 1.70 | 9 |
| 9 | 25 | 4.3 | OD | 3 | Zone-1 | 5 x 5 | Mild | 10 | Clear | 1 | SEPA | Normal | 0.4 | Partly cleared | 3 | 2 |
| 10 | 27 | 52.8 | OU-OS | 1.3 | Zone-1 | 4 x 3.5 | Mild | 10 | Clear | 1 | SEPA | Normal | Healthy | Cleared | 1.3 | 1 |
| 11 | 33 | 7.7 | OU-OS | 3 | Zone-1 | 5 .5 x 5 | Moderate | 9 | Clear | 1 | SEPAO | Normal | 0.3 | Cleared | 3 | 6 |
| 12 | 34 | 6.08 | OS | 3 | Zone-1 | 7.5 x 7.0 | Moderate | 11 | Clear | 2 | SEPAL | Normal | 0.2 | Cleared | 2 | 67 |
| 13 | 8 | 66.0 | OD | 2.5 | Zone-2 | N/A | Moderate | 10.5 | clear | 1 | SEPA | 25 | Healthy | Partly cleared | 1.78 | 3 |
| 14 | 12 | 2.0 | OU-OS | 3 | Zone-2 | 3.5 x 3.5 | Moderate | 11.25 | Clear | 1 | SEPA | Normal | 0.3 | Cleared | 3 | 18 |
| 15 | 15 | 54.3 | OS | 0.79 | Zone-2 | 5.5 x 4.0 | Moderate | 11 | Clear | 1 | SEPAO | Normal | 0.2 | Cleared | 0.6 | 11 |
| 16 | 18 | 6.2 | OD | 3 | Zone-2 | 4 x 6 | Moderate | 9.5 | Clear | 1 | SEPASO | Normal | 0.1 | Partly cleared | 3 | 9 |
| 17 | 24 | 6.7 | OD | 1.13 | Zone-2 | 3 x 4 | Moderate | 10.5 | Clear | 1 | SEPA | Normal | 0.2 | Partly cleared | 0.91 | 2 |
| 18 | 26 | 4.2 | OD | 3 | Zone-2 | N/A | Severe | 10.25 | Clear | 1 | SEPAL | Normal | Healthy | Partly cleared | 1.52 | 7 |
| 19 | 1 | 133.9 | OU-OD | 3 | Zone-3A | 5 x 5 | Severe | 9 | KILD | 2 | SEPAL | 41 | Hazily seen | Not cleared | 1.70 | 8 |
| 20 | 4 | 26.1 | OD | 1.48 | Zone-3A | 7.5 x 5 | Moderate | 10.25 | clear | 1 | SEPA | Normal | Healthy | Cleared | 1.17 | 18 |
| 21 | 5 | 5.8 | OU-OS | 3 | Zone-3A | 5 x 4.5 | Moderate | 10 | clear | 1 | SEPA | Normal | Healthy | Cleared | 1.70 | 11 |
| 22 | 6 | 11.3 | OD | 3 | Zone-3A | 5 x 5 | Moderate | 10.25 | clear | 1 | SEPA | Normal | Healthy | Partly cleared | 3 | 1 |
| 23 | 9 | 71.8 | OD | 1 | Zone-3A | 4 x 5.5 | Moderate | 10.5 | clear | 1 | SEPA | Normal | 0.3 | Partly cleared | 1.3 | 2 |
| 24 | 14 | 4.9 | OS | 3 | Zone-3A | 4 x 5.5 | Moderate | 11 | Clear | 1 | SEPA | Normal | 0.3 | Cleared | 0.91 | 13 |
| 25 | 19 | 10.8 | OD | 3 | Zone-3A | 4 x 5 | Moderate | 10 | Clear | 1 | SEPAO | Normal | 0.2 | Partly cleared | 3 | 2 |
| 26 | 20 | 8.4 | OU-OD | 3 | Zone-3A | 4.5 x 7 | Severe | 10.5 | KILD | 2 | SEPAL | Normal | 0.2 | Not cleared | 2.13 | 10 |
| 27 | 21 | 6.8 | OU-OS | 3 | Zone-3A | 5 x 7 | Severe | 10.5 | KILD | 2 | SEPAL | Normal | 0.2 | Not cleared | 2.13 | 10 |
| 28 | 22 | 3.7 | OU | 3 | Zone-3A | 8.5 x 7.0 | Moderate | 10.5 | Clear | 1 | SEPAS | Normal | 0.2 | Partly cleared | 3 | 1 |
| 29 | 23 | 4.2 | OS | 3 | Zone-3A | 7.5 x 5.5 | Moderate | 10 | Clear | 1 | SEPAS | Normal | 0.2 | Partly cleared | 1.83 | 4 |
| 30 | 28 | 80.4 | OU-OD | 3 | Zone-3A | 5.5 x 5.5 | Severe | 10 | KILD | 2 | SEPAL | Normal | 0.3 | Partly cleared | 0.79 | 31 |
| 31 | 29 | 79.9 | OU-OS | 3 | Zone-3A | 7.5 x 7 | Severe | 9.5 | KILD | 2 | SEPAL | 30 | 0.65 | Not cleared | 3 | 30 |
| 32 | 30 | 5.7 | OU-OS | 3 | Zone-3A | 10 x 5.5 | Moderate | 10.75 | Clear | 1 | SEPASO | Normal | 0.3 | Partly cleared | 1.67 | 14 |
| 33 | 31 | 14.7 | OU-OD | 3 | Zone-3A | 4 x 4 | Severe | 10.50 | KILD | 2 | SEPAL | 22 | 0.4 | Not cleared | 1.17 | 11 |
| 34 | 32 | 7.2 | OU-OD | 3 | Zone-3A | 5.5 x 4.5 | Moderate | 9 | Clear | 1 | SEPASO | 20 | 0.4 | Partly cleared | 3 | 7 |

SEPA: Simple Endothelialectomy in Peters anomaly; +S: synechiolysis, +O: Optical iridectomy, +L: Endocapsular Lens aspiration,

Zone 1:Central cornea was a central circle with a diameter of 5 mm; Zone 2:Peripheral cornea extended from zone 1 to the limbus; Zone 3:Involvement was subdivided into subtotal (Zone 3A) or total (Zone 3B) limbal opacification.

**Mild disease** was defined by the presence of a normal iris and lens.

**Moderate disease** was defined by the presence of central iridocorneal adhesions (anterior synechiae) or other iris defects such as atrophy, abnormal vasculature, or coloboma.

**Severe disease** was defined by the presence of corneo- lenticular adhesion or by the presence of corneal staphyloma with or without corneolenticular adhesion.

AV: anterior vitrectomy; HCD: horizontal corneal diameter; IOP: intraocular pressure; KILD: kerato-irido-lenticular dysgenesis; LA: lens aspiration; N/A: not available; PPC: pars plana capsulotomy; SER: selective endothelial removal.