We describe a reliable flap to reconstruct Cryptotia.

The design is simple and aesthetic result improved: the thickness of the flap projects the helix well, the scar is entirely hidden in the retro-auricular sulcus and the direct suture induces a harmonious medialization of the inferior part of the ear and earlobe.

**Introduction:**
- Cryptotia is one of the most common malformations of the upper auricle
- Aesthetic and functional consequences

**Surgical technique:**
- Incision in the retro-auricular sulcus along the rim of the helix superiorly and drawing a skin paddle inferiorly
- Mastoid fascia is exposed and a superiorly and posteriorly based flap is drawn and detached from the skull
- The skin paddle is rotated and sutured between the superior helix and temporal skin creating a superior sulcus
- Retro-auricular incision is closed directly

**Methods:**
- Retrospective review from 2010 to 2015
- Follow-up for complications, patient satisfaction and review surgery

**Results:**
- 6 patients and 7 ears were studied
- Mean follow-up: 45 months
- No necrosis, keloid scar or failure
- Patient satisfaction 100%

**Patient characteristics.**

<table>
<thead>
<tr>
<th>Patient</th>
<th>Age</th>
<th>Sex</th>
<th>Cryptotia</th>
<th>Grade</th>
<th>Other ear</th>
<th>Other malformations</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10</td>
<td>M</td>
<td>Type I</td>
<td>Severe</td>
<td>Bilateral cryptotia</td>
<td>Ectopic kidney, middle ear malformation</td>
</tr>
<tr>
<td>2</td>
<td>12</td>
<td>M</td>
<td>Type I</td>
<td>Mild</td>
<td>Normal</td>
<td>Normal</td>
</tr>
<tr>
<td>3</td>
<td>12</td>
<td>M</td>
<td>Type I</td>
<td>Mild</td>
<td>Normal</td>
<td>Elffes ear</td>
</tr>
<tr>
<td>4</td>
<td>10</td>
<td>M</td>
<td>Type II</td>
<td>Mild</td>
<td>Superior anhelex absent</td>
<td>--</td>
</tr>
<tr>
<td>5</td>
<td>10</td>
<td>M</td>
<td>Type II</td>
<td>Mild</td>
<td>Lack of antehelix fold</td>
<td>Coarctation of the aorta, delayed puberty</td>
</tr>
<tr>
<td>6</td>
<td>17</td>
<td>F</td>
<td>Type I</td>
<td>Mild</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**1-month follow-up**

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