Resection of the Anterior Ethmoid Bulla

SURGICAL TECHNIQUE

Using the MicroFrance® Lusk MicroBite™ Through-Cutting Forceps

Premier MicroFrance® ENT Instruments are designed with world-renowned ENT surgeons to facilitate new techniques and improve patient outcomes.
Philosophy
The traditional “grasp and tear” surgical techniques used for resecting the anterior and medial wall of the ethmoid bulla are often responsible for the inadvertent stripping of intact mucosa from the lamina papyracea. The resulting exposed bone often forms granulation tissue and adhesions, which complicates the healing process. Scarring in the middle meatus and anterior ethmoid cavity contributes to surgical failure.

The MicroFrance® MicroBite™ Through-Cutting Sinus Forceps have been designed to precisely resect the anterior and medial wall of the ethmoid bulla without damage to delicate mucosa overlaying the lamina papyracea. These forceps are sized appropriately for pediatric or adult sinus surgery, and their precise cutting action allows for sharp resection of mucosa without stripping mucosa.

Surgical Technique
After opening the anterior wall of the ethmoid bulla with a curette, the anterior wall of the bulla is precisely dissected from its lateral attachment near the lamina papyracea using several fine cutting motions of the 45° and 90° MicroBite Forceps (MCEN74 and MCEN75, respectively). As the dissection extends superiorly and posteriorly, the 0° MicroBite Forceps (MCEN73) provide better access to the attached regions (Figure 1).

The first inferior cut is made along the inferior edge of the bullae. The inferior cuts extend to the posterior attachment of the bulla, at the basal lamella. The 45° forceps are used to connect the incision into the ostium posteriorly. Once all attachments are sharply transected, the medial wall of the ethmoid bulla can be removed without traumatizing the mucosa along the lamina papyracea (Figure 2).

The same technique may be used in pediatric and adult patients. These instruments are designed to sharply transect and not strip mucosa from its underlying bone.

Nota Bene: The technique description herein and the use of instructions for the related procedures are made available by Medtronic ENT to the healthcare professional to illustrate the author’s suggested treatment for the uncomplicated procedure. In the final analysis, the preferred treatment is that which, in the healthcare professional’s judgement, addresses the needs of the individual patient.
### Ordering Information

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Description</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCEN76</td>
<td>Lusk MicroBite™ Through-Cutting Forceps Set*</td>
<td>1 set</td>
</tr>
<tr>
<td>MCEN73</td>
<td>Lusk MicroBite Through-Cutting Forceps, 0°</td>
<td>1</td>
</tr>
<tr>
<td>MCEN74</td>
<td>Lusk MicroBite Through-Cutting Forceps, 45°</td>
<td>1</td>
</tr>
<tr>
<td>MCEN75</td>
<td>Lusk MicroBite Through-Cutting Forceps, 90°</td>
<td>1</td>
</tr>
</tbody>
</table>

*This set is only available in the US. If you are not in the US, please order the items in the set individually.*
