



Procedure Information Sheet

Introduction

To gain access to the maxillary sinus through the facial bone for the treatment of the pathological change in the maxillary sinus or its immediate neighbouring area

Indication

- Chronic maxillary sinusitis
- Antral-choanal polyp
- Sinonasal tumour
- Ligation of the maxillary artery
- Orbit fracture
- Exophthalmos
- Oral-antral fistula

The Operation / Procedure

1. Make a small incision between the upper lip and gum
2. Open maxillary sinus and remove a small piece of bone from its anterior wall
3. Remove diseased mucosa of the maxillary sinus
4. Make a small hole draining into the nasal cavity
5. Apply nasal pack for haemostatic control
6. Close gum wound

Before the Operation / Procedure

1. Inform doctor of any medical condition e.g. diabetes mellitus, heart disease, hypertension and any regular medication, including herbs and dietary supplement.
2. Stop food and drink if needed as instructed by doctor or nurse
3. Other special preparation or investigation before the procedure
4. Intended benefits and expected outcome
 - 4.1 Eradication of maxillary sinus inflammation / infection
 - 4.2 Biopsy and excision of sinonasal tumour
 - 4.3 Control of epistaxis
 - 4.4 Reduction of orbital fracture
 - 4.5 Orbital decompression
 - 4.6 Repair of oral-antral fistula
5. Conditions that would not be benefited by the procedure
 - 5.1 Malignant sinonasal tumour

After the Operation / Procedure

1. May need analgesic for postoperative pain or discomfort
2. Facial swelling
3. Mild transient epistaxis may occur, please attend the nearby emergency department if bleeding persists.
4. Sleep in slightly head up position may help reduce postoperative oedema
5. Do not blow nose
6. After the procedure, avoid rigorous exercise or control sports for few weeks.

Patient's Label

Patient Name: _____

Hospital No: _____

Episode No: _____



Risk and Complication

1. There are always certain side effects and risks of complications of the procedure. Medical staff will take every preventive measure to reduce their likelihood.
2. Common risks and complications
 - 2.1 Facial pain and numbness due to infraorbital nerve injury
 - 2.2 Facial swelling
 - 2.3 Facial haematoma
 - 2.4 Gum and teeth numbness
 - 2.5 Gingivolabial scar affecting denture fitting
 - 2.6 Dental root injury
 - 2.7 Recurrence of disease
3. Uncommon risks with serious consequences
 - 3.1 Intra-orbital injury leading to blindness and diplopia
 - 3.2 Nasolacrimal duct injury
 - 3.3 Oral-antral fistulation
 - 3.4 Mucocele
 - 3.5 Facial deformity and maxillary antrum hypoplasia
4. Consequences of no treatment
 - 4.1 Progression of disease
 - 4.2 Recurrence of disease

Alternative Treatment / Investigation

1. Functional Endoscopic Sinus Surgery (FESS)
2. Other external approach
3. Drug treatment with antibiotics or steroid

Disclaimer

This leaflet only provides general information pertaining to this operation / procedure. While common risks and complications are described, the list is not exhaustive, and the degree of risk could also vary between patients. Please contact your doctor for detailed information and specific enquiry.

Reference

Smart patient website by Hospital Authority: Caldwell-Luc Operation (2/2020)

Patient's Label
 Patient Name: _____
 Hospital No: _____
 Episode No: _____

Patient's Signature: _____ Date: _____