

## **Caldwell-Luc operation (Sublabial Antrostomy) 上頷竇切除術**

### **Introduction 簡介**

To gain access to the maxillary sinus through the facial bone for the treatment of pathological change in the maxillary sinus or its immediate neighbouring area  
由面骨進入上頷竇治療上頷竇或周圍病變

### **Indications 適合病症**

1. Chronic maxillary sinusitis 慢性上頷竇炎
2. Antral-choanal polyp 上頷竇後鼻孔息肉
3. Sinonasal tumour 鼻腫瘤
4. Ligation of the maxillary artery 內上頷動脈結紮
5. Orbit fracture 眼眶骨折
6. Exophthalmos 突眼
7. Oral-antral fistula 口竇瘻管

### **Intended Benefits and Expected Outcome 預期結果**

1. Eradication of maxillary sinus inflammation / infection 消除上頷竇發炎／感染
2. Biopsy and excision of sinonasal tumour 活組織檢查及切除鼻部腫瘤
3. Control of epistaxis 控制鼻出血
4. Reduction of orbital fracture 眼眶骨折復位
5. Orbital decompression 眼眶減壓
6. Repair of oral-antral fistula 修復口竇瘻管

### **Conditions that Would Not be Benefited by the Procedure 手術不能解決的問題**

1. Malignant sinonasal tumour 惡性鼻腫瘤

### **The Procedure 手術過程**

1. Make a small incision between the upper lip and gum 上唇及牙肉之間開一細小切口
2. Open maxillary sinus and remove a small piece of bone from its anterior wall  
切除上頷竇前壁一塊小骨打開上頷竇
3. Remove diseased mucosa of the maxillary sinus 去除上頷竇的不正常黏膜
4. Make a small hole draining into the nasal cavity 開一小孔引流入鼻腔
5. Apply nasal pack for haemostatic control 在鼻內放填塞料止血
6. Close gum wound 縫合牙肉傷口

### **Risk and Complication 手術風險和併發症**

There are always certain side effects and risks of complications of the procedure. Medical staff will take every preventive measure to reduce their likelihood.

手術有一些副作用和併發症風險，醫務人員將盡力減少副作用和併發症風險。

### **Common Risks and Complications 常見副作用和併發症**

1. Facial pain and numbness due to infraorbital nerve injury  
眼眶下神經受損導致面部痛楚及麻痺
2. Facial swelling 面腫

3. Facial haematoma 面血腫
4. Gum and teeth numbness 牙肉及牙齒麻痺
5. Gingivolabial scar affecting denture fitting 牙齦及唇疤痕影響裝嵌假牙
6. Dental root injury 牙根受損
7. Recurrence of disease 復發

### **Uncommon Risks with Serious Consequences 不常見的嚴重風險或併發症**

1. Intra-orbital injury leading to blindness and diplopia 眼眶內受傷引致失明及複視
2. Nasolacrimal duct injury 淚管損傷
3. Oral-antral fistulation 口竇瘻管
4. Mucocele 黏液囊腫
5. Facial deformity and maxillary antrum hypoplasia 面部變形及上頰竇發育不全

### **Before the Procedure 手術前準備**

Patient should: 病人應該：

1. Inform doctor of any medical condition e.g. diabetes mellitus, heart disease, hypertension and any regular medication, including herbs and dietary supplement.  
告知醫生其本身患有的其他疾病，如糖尿病、心臟病、高血壓及定時服用的藥物，包括中藥及保健食品
2. Stop food and drink if needed as instructed by doctor or nurse  
遵從醫護人員指示，在需要時禁食
3. Other special preparation or investigation before the procedure  
其他手術前準備或檢查

### **After the Procedure 手術後須知**

1. May need analgesic for postoperative pain or discomfort 手術後可能需要服用止痛藥
2. Facial swelling 面腫
3. Mild transient epistaxis may occur, please attend the nearby emergency department if bleeding persists 可能會有輕微鼻出血，但假如情況持續應前往就近急症室求診
4. Sleep in slightly head up position may help reduce postoperative oedema  
睡覺時頭部略為墊高，有助減少手術後出現水腫情況
5. Do not blow nose 不應擤鼻

### **Alternative Treatment 其他治療方法**

1. Functional Endoscopic Sinus Surgery (FESS) 功能性鼻內鏡鼻竇手術
2. Other external approach 其他外部治療
3. Drug treatment with antibiotics or steroid 抗生素或類固醇藥物治療

### **Consequences of No Treatment 不治療的後果**

1. Progression of disease 病情惡化
2. Recurrence of disease 復發

### **Follow Up 手術後跟進**

1. After the procedure, avoid rigorous exercise or contact sports for few weeks

在手術後數星期應避免進行劇烈運動或身體接觸類體育運動

### **Remarks 備註**

This is general information only and the list of complications is not exhaustive. Other unforeseen complications may occasionally occur. In special patient groups, the actual risk may be different. For further information please contact your doctor.

本單張只提供有關手術的基本資料，可能發生的風險或併發症不能盡錄。某類病人的風險程度亦為不同。如有查詢，請聯絡你的醫生。