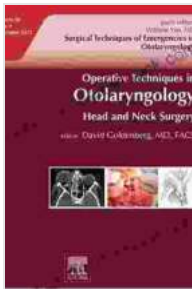


# Sinonasal Surgery Surgical Techniques in Otolaryngology Head and Neck Surgery

Sinonasal surgery is a surgical procedure to treat diseases of the nose and sinuses. It can be performed to remove tumors, polyps, or other obstructions, or to repair damage caused by trauma or infection. There are a variety of sinonasal surgery techniques, each with its own advantages and disadvantages. The best technique for a particular patient will depend on the specific condition being treated.



## Surgical Techniques in Otolaryngology - Head & Neck Surgery: Sinonasal Surgery (Surgical Techniques in Otolaryngology Head & Neck Surgery) by Ameet Singh

★★★★☆ 4 out of 5

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## Endoscopic Sinus Surgery

Endoscopic sinus surgery (ESS) is a minimally invasive surgical technique that uses a small camera and instruments to visualize and operate on the sinuses. ESS is typically performed through the nostrils, without the need for any external incisions. This makes it a less invasive and more comfortable procedure for patients.

ESS is commonly used to treat a variety of sinonasal conditions, including:

\* Chronic sinusitis \* Nasal polyps \* Deviated septum \* Sinus tumors

ESS is typically performed under general anesthesia. The surgeon will insert a small camera into the nose and use it to visualize the sinuses. The surgeon will then use small instruments to remove any diseased tissue or obstructions.

### **Image-Guided Sinus Surgery**

Image-guided sinus surgery (IGSS) is a newer surgical technique that uses computer imaging to guide the surgeon during the procedure. IGSS is typically performed using a cone-beam computed tomography (CBCT) scan. The CBCT scan creates a three-dimensional image of the sinuses, which the surgeon can use to plan the surgery and guide the instruments during the procedure.

IGSS is commonly used to treat complex sinonasal conditions, such as:

\* Sinus tumors \* Skull base defects \* Revision sinus surgery

IGSS is typically performed under general anesthesia. The surgeon will make a small incision in the nose and insert a camera into the sinuses. The surgeon will then use the CBCT scan to guide the instruments during the procedure.

### **Open Sinus Surgery**

Open sinus surgery is a traditional surgical technique that involves making an incision in the face to access the sinuses. Open sinus surgery is typically used to treat more complex sinonasal conditions, such as:

\* Large sinus tumors \* Skull base defects \* Revision sinus surgery

Open sinus surgery is typically performed under general anesthesia. The surgeon will make an incision in the face and use a chisel and mallet to open the sinuses. The surgeon will then use small instruments to remove any diseased tissue or obstructions.

### **Choosing the Right Sinonasal Surgery Technique**

The best sinonasal surgery technique for a particular patient will depend on the specific condition being treated. In general, ESS is the preferred technique for most sinonasal conditions. However, IGSS or open sinus surgery may be necessary for more complex conditions.

Your doctor will discuss the different surgical options with you and help you choose the best technique for your individual needs.

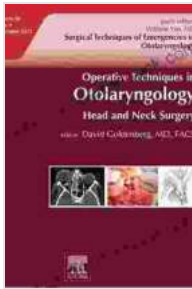
### **Recovery from Sinonasal Surgery**

Recovery from sinonasal surgery typically takes several weeks. During this time, you may experience some pain, swelling, and bruising. You may also have difficulty breathing through your nose and may need to use nasal decongestants or saline sprays.

It is important to follow your doctor's instructions carefully during the recovery period. This will help to minimize the risk of complications and ensure a successful outcome from your surgery.

Sinonasal surgery is a safe and effective treatment for a variety of sinonasal conditions. The best surgical technique for a particular patient will depend on the specific condition being treated. Your doctor will discuss the

different surgical options with you and help you choose the best technique for your individual needs.



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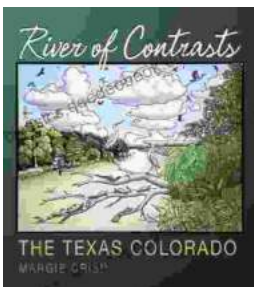
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