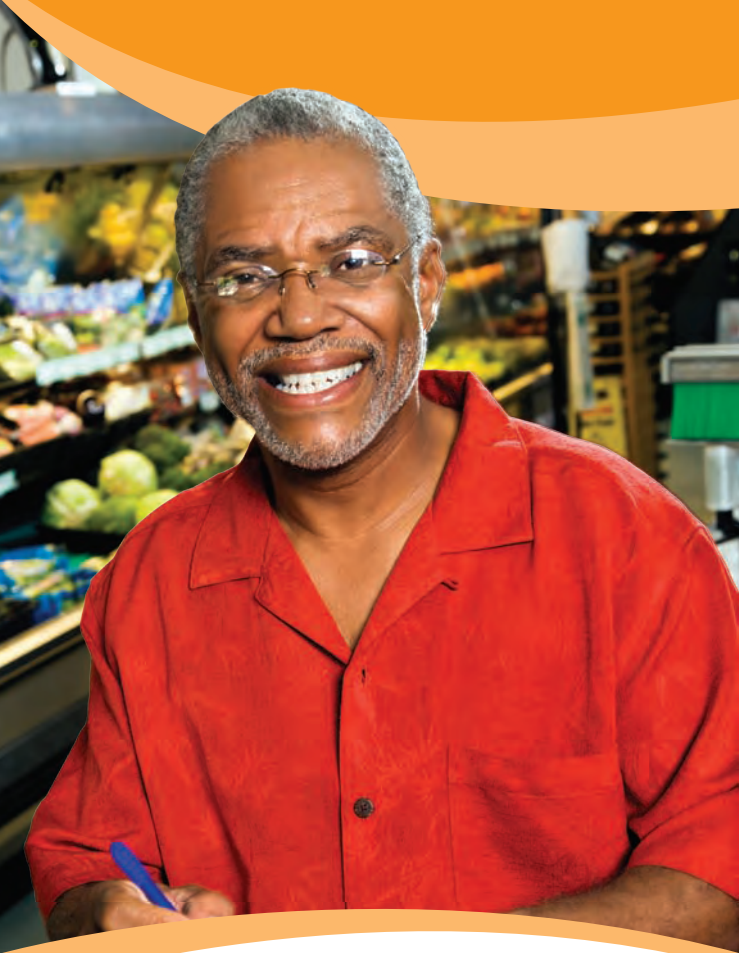


Throat Cancer Diagnosis?

Learn why **da Vinci® Surgery** may be your best treatment option for throat cancer



da Vinci.Surgery

The Treatment: Chemoradiation or Surgery

After a diagnosis is made and the stage (extent) of the cancer determined, your doctor will suggest appropriate treatment options.

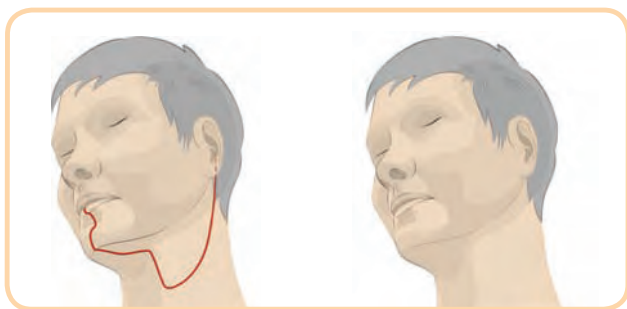
The goal of treatment is to eradicate the cancer and prevent it from spreading. Treatment options include surgery, chemotherapy and radiation, often applied in combination.⁴ In some cases, high-dose chemoradiation is given without surgery.⁴ This treatment is non-invasive but the resulting side effects may permanently impact your long-term ability to speak, swallow and eat normally. In fact, up to 30% of patients treated with chemoradiation alone may require a permanent feeding tube.⁵

If your doctor recommends surgery, there are two primary types: open and transoral (through the mouth). Tumor size, stage and location determine the type of surgery required.



Traditional open surgery to remove throat cancer typically requires your surgeon to make a long incision through the jaw and throat. Your surgeon may also need to break the jawbone to access the tumor. This approach can result in disfigurement as well as difficulty eating, speaking and swallowing.¹ Reconstructive or plastic surgery may be needed to rebuild the bones or tissues removed during treatment.

Transoral laser surgery may provide a much less invasive treatment option. Using a surgical camera and microscope passed through the mouth, the surgeon directs the laser to the tumor location - avoiding the need for facial disfigurement and tracheotomy.⁴ This approach also may minimize or eliminate the need for chemoradiation and its potential side-effects. However, surgeons are limited by line-of-sight, instrumentation and optics - which means this approach may not be appropriate for all cases.



Open Surgery
Incision

da Vinci Surgery:
No Incision, No Scars

da Vinci Surgery for Throat Cancer: A Less Invasive Surgical Procedure

If your doctor recommends surgery to treat throat cancer, you may be a candidate for *da Vinci* Transoral Surgery — a safe and effective minimally invasive procedure. The *da Vinci* System enables your doctor to perform this delicate operation for early-to-moderate stage cancer. *da Vinci* provides your surgeon with superior vision, precision, dexterity and improved access. It thereby avoids the disfiguring and traumatic aspects of traditional surgery.^{6,7}

da Vinci Surgery offers throat cancer patients numerous potential benefits over traditional treatments, including:

- › Significantly less blood loss^{5,6,7,8}
- › No visible scarring or disfigurement⁶
- › No tracheotomy⁶
- › Minimization or elimination of need for chemoradiation therapy^{6,7}
- › Fewer complications⁵
- › Shorter hospital stay^{5,8}
- › Fast recovery, return to normal speech and swallowing⁵
- › Excellent cancer control⁵

As with any surgery, these benefits cannot be guaranteed, as surgery is patient and procedure-specific.



The Enabling Technology: *da Vinci* Surgical System

The *da Vinci* Surgical System is designed to provide surgeons with enhanced capabilities, including high-definition 3D vision and a magnified view. Your doctor controls the *da Vinci* System, which translates his or her hand movements into smaller, more precise movements of tiny instruments inside your body.



Though it is often called a “robot,” *da Vinci* cannot act on its own. Instead, the surgery is performed entirely by your doctor. Together, *da Vinci* technology allows your doctor to perform complex procedures through just a few tiny openings. As a result, you may be able to get back to life faster without the usual recovery following major surgery.

The *da Vinci* System has been used successfully worldwide in hundreds of thousands of procedures to date.

¹www.nlm.nih.gov/medlineplus/ency/article/001042.htm. ²“Global Cancer Statistics, 2002”; A Cancer Journal for Clinicians; American Cancer Society; www.caonline.amcancer-soc.org ³www.cancer.org/docroot/PED/content/PED_10_13X_Quitting_Smokeless_Tobacco.asp?sitearea=PED. ⁴mayoclinic.org/throat-cancer/treatment.html. ⁵Weinstein GS, O’Malley Jr BS, Desai SC, Quon H; Transoral robotic surgery: does the ends justify the means? Current Opinion in Otolaryngology & Head and Neck Surgery,17:126–131, 2009 ⁶O’Malley Jr. B, Weinstein GS, Snyder W, Hockstein, NG; Transoral Robotic Surgery (TORS) for Base Tongue Neoplasms, Laryngoscope 116: August 2006. ⁷Weinstein GS, O’Malley Jr. BW, Snyder W, Sherman E, Quon H; Transoral Robotic Surgery, Radical Tonsillectomy; Arch Otolaryngol. Head Neck Surg/Vol. 133 (No. 12), Dec 2007. ⁸Boudreaux BA, Rosenthal EL, Magnuson SJ, Newman RJ, Desmond RA, Clemons L, Carroll WR; Robot-Assisted Surgery for Upper Aerodigestive Tract Neoplasms; Arch Otolaryngol Head Neck Surg/Vol 135 (No. 4), Apr 2009

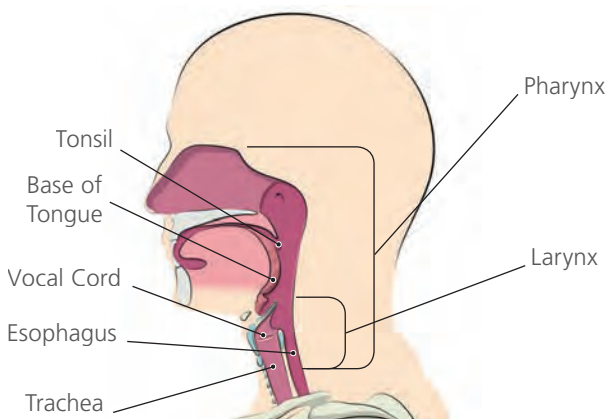
The Condition:

Throat Cancer

Cancer that occurs in the larynx (voice box) and pharynx (throat), which includes the base of the tongue and tonsils, is commonly called throat cancer. It usually develops in adults over 50; men are 10 times more likely to develop the disease.¹ Worldwide, there are about 290,000 cases of throat cancer each year.²

A neck and throat exam may show the presence of cancer. The sputum (what is coughed up) may appear bloody and a lump may appear on the outside of the neck.¹ Symptoms may include abnormal-sounding breathing; coughing; neck or throat pain; or difficulty swallowing.¹

It is important to be aware of the signs and symptoms of throat cancer since it is highly curable when found early.¹ Studies show people with a history of tobacco and alcohol dependence have a higher rate of throat cancer.¹ Smokeless tobacco products are not a safe substitute for smoking; harmful health effects may include throat cancer.³



Your doctor is one of a growing number of surgeons offering *da Vinci Surgery* for Throat Cancer.

For more information about *da Vinci Surgery* and to find a surgeon near you, visit:

www.daVinciSurgery.com

