



John S. Supance, M.D., F.A.C.S. • Mark A. Wohlgemuth, M.D., F.A.C.S. • James K. Bredenkamp, M.D., F.A.C.S.  
Michael K. Jakobsen, M.D., F.A.C.S. • Michael Cho, M.D., F.A.C.S. • Phillip R. Wells, M.D.  
Dennis M. Crockett, M.D., F.A.C.S.

Diplomates, American Board of Otolaryngology

Head & Neck Surgery

Pediatric & Adult Otolaryngology

Facial Reconstructive Surgery

# EPISTAXIS

# NOSE BLEEDS

## WHY DO PEOPLE GET NOSE BLEEDS?

The nose is a very vascular structure which is situated at a vulnerable site on the face. As a result, any trauma to the face may cause bleeding. The bleeding may be profuse, or simply a minor nuisance. Nosebleeds can occur spontaneously when the nasal membranes dry out crust and crack. This is common in dry climates or during the winter months when the air is dry and warm from household heaters. People are more susceptible to bleeding if they are taking medications which will make the blood not clot (Coumadin, Warfarin, Aspirin, or any anti-inflammatory medication). In this situation, only a very minor trauma may result in significant bleeding.

The incidence of nosebleeds is higher during the colder winter months when upper respiratory infections are more frequent, and the temperature and humidity fluctuate more dramatically. In addition changes from a bitter cold outside environment to a warm, dry, heated home results in drying and changes in the nose which will make it more susceptible to bleeding. Nosebleeds also occur in hot dry climates with low humidity, or when there is a change in the seasons. The following list of factors predisposes people to nosebleeds.

1. Infection.
2. Trauma.
3. Allergic and non-allergic rhinitis.
4. Hypertension.
5. Use of "blood thinning medications".
6. Alcoholism.
7. Less common causes include tumors and congenital bleeding problems.

## HOW DO YOU STOP THE COMMON NOSE BLEED?

Most people who develop nasal bleeding can handle the problem without the need of a physician if they follow the recommendations below.

1. Pinch all the soft parts of the nose together between your thumb and index finger.
2. Press firmly toward the face - compressing the pinched parts of the nose against the bones of the face.
3. Hold it for at least 5 minutes (timed by the clock), repeat as necessary until the nose has stopped bleeding.
4. Sit quietly, keeping the head higher than the level of the heart; that is, sit up or lie with the head elevated. Do not lay flat.
5. Apply ice (crushed in a plastic bag or washcloth) to nose and cheeks.

## HOW DO YOU PREVENT THE NOSE FROM BLEEDING AGAIN?

1. Go home and rest with head elevated at 30 to 45 degrees.
2. Do not blow your nose or put anything into it. If you have to sneeze, open your mouth so that the air will escape out the mouth and not through the nose.
3. Do not strain during bowel movements. Use a stool softener (example colace).
4. Do not strain or bend down to lift anything heavy.

[www.hnaoc.com](http://www.hnaoc.com)

26726 Crown Valley Parkway, Suite 200 • Mission Viejo, CA 92691 • 949-364-4361 • Fax 949-364-4495

24411 Health Center Drive, Suite 370 • Laguna Hills, CA 92653 • 949-581-3888 • Fax 949-581-3883

675 Camino de los Mares, Suite 420 • San Clemente, CA 92673 • 949-496-2307 • Fax 949-496-8688

5. Try to keep your head higher than the level of your heart.
6. Do not smoke.
7. Stay on a soft cool diet. No hot liquids for at least 24 hours.
8. Do not take any medications which will "thin the blood" (aspirin or aspirin products). If these have been prescribed by your primary care physician, you need to contact him or her regarding stopping these medications.
9. Your doctor may recommend some form of lubricating ointment for the inside of the nose (see below).
10. If re-bleeding occurs, try to clear the nose of clots by sniffing in forcefully. You can try using a nasal decongestant spray such as Afrin, Duration or Neosynephrin. These types of sprays will constrict blood vessels, but if used for many days at a time they can cause addiction. Repeat the steps above on how to stop the common nose bleed. If bleeding persists, then call your doctor and/or come to the emergency room.

### **WHAT PRECAUTIONS CAN YOU TAKE TO PREVENT BLEEDING?**

The most common cause of a nose bleeds is drying of the nasal membranes. If you are prone to recurrent nosebleeds, it is often helpful to try lubricating the nose with an ointment of some type. This can be applied with a Q-tip or your fingertip up inside the nose, especially on the middle portion (the septum). Many patients use A & D ointment, Mentholatum, Vicks Vaporub, polysporin/neosporin ointment, or Vaseline. Saline mist nasal spray is often helpful (Ocean spray).

### **WHEN SHOULD YOU CALL YOUR DOCTOR OR GO TO THE EMERGENCY ROOM?**

1. If bleeding cannot be stopped or keeps reappearing.
2. If bleeding is rapid or if blood loss is large.
3. If you feel weak or faint, presumably from blood loss.

If the nosebleeds persist or are recurrent, you should see your doctor, who may recommend cautery to the blood vessel that is causing the trouble. Blood tests may be ordered to check for general bleeding disorders. If bleeding is still persistent, the doctor may place nasal packs, which will compress the vessel and stop the bleeding. In rare situations, you may have to be admitted to the hospital or require surgical treatment or angiographic embolization.

### **WHAT SHOULD I DO IF THE DOCTOR HAS PLACED NASAL PACKS?**

Nasal packs are used when less conservative measures fail (see above). These packs are frequently placed in both sides of the nose. The packs are usually made of a material called "merezcel" which is a compressed sponge like material which will help compress the area of the nose which is bleeding. The doctor will usually not remove them for several days (2 to 5 days). Make sure you have an appointment for follow-up. You will need someone to drive you and bring you home after the nasal packs are removed. During this time you will be prescribed an antibiotics and pain medications as needed. Remember, do not take aspirin or any other blood thinning products. It is not uncommon for the nose to drain a blood tinged material. Folded gaze taped under the nose (a mustache dressing) is often useful. You may clean your nostrils with hydrogen peroxide soaked Q-tips. In addition to these recommendations, you should follow the directions under how to prevent the nose from bleeding again.