



Hemorrhoid Artery Embolization (HAE)

A minimally invasive
alternative to surgery



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What are hemorrhoids?

Hemorrhoids are swollen veins in the lower rectum or around the anus, similar to varicose veins. They are very common—about half of Americans will experience them at some point.

Common symptoms include:

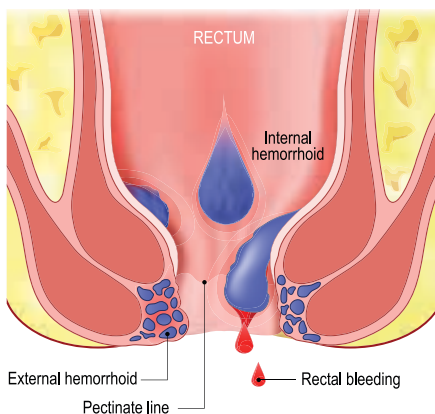
- Bleeding
- Itching
- Painful bowel movements

Why do hemorrhoids happen?

Hemorrhoids develop when there is extra pressure in the rectal area. This may be caused by:

- Sitting for long periods
- Straining during bowel movements
- Constipation or diarrhea
- Pregnancy or childbirth
- Being overweight
- Family history

Prevention tips: Eat a high-fiber diet, drink plenty of fluids, and stay active with regular exercise.



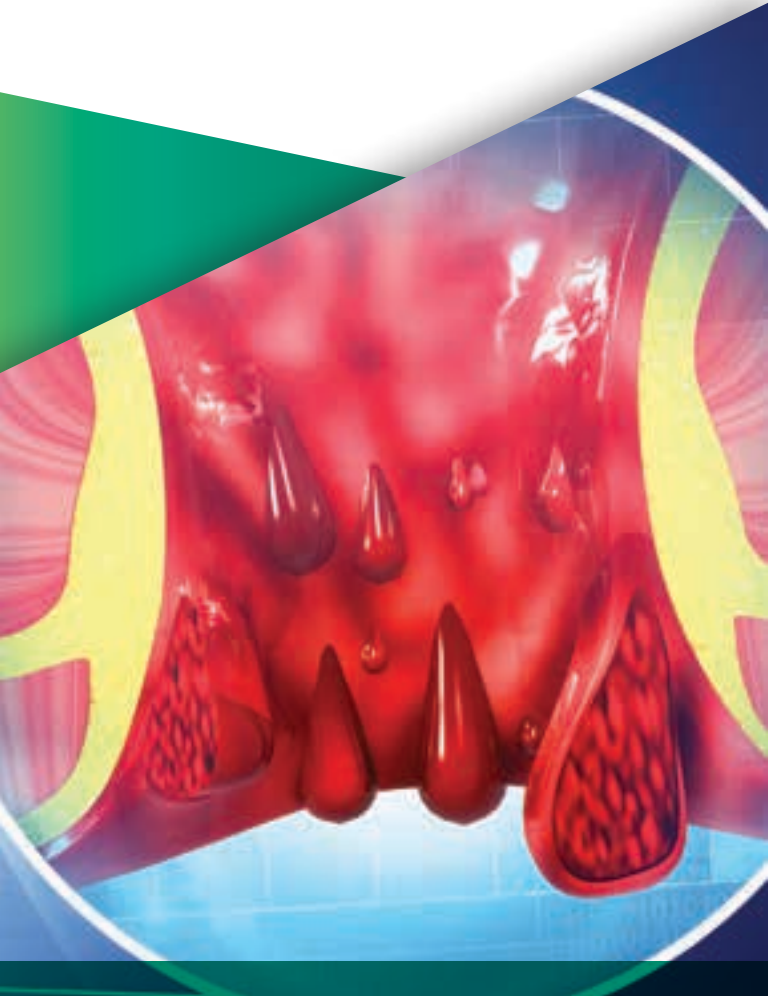
Is HAE right for me?

You may be a good candidate if you:

- Have grade 1, 2, or 3 internal hemorrhoids
- Persistent rectal bleeding
- Rectal bleeding has not improved with diet or medication
- Want to avoid surgery or banding
- Not a candidate for surgery

You may not be eligible if you have:

- Grade 4 hemorrhoids
- Inflammatory bowel disease
- Severe prolapse
- Previous hemorrhoid or colorectal surgery



A non-surgical option: Hemorrhoid A

HAE is a safe, minimally invasive procedure with results similar to surgery but with less pain and procedure, and patients get to go home the sa

Current treatment options

Most people start with conservative care: diet changes, creams, sitz baths, and over-the-counter pain medicine.

If these don't work, other options include:

- **Hemorrhoidectomy (surgery):** Effective, but often painful with longer recovery and risks like infection or bleeding.
- **Rubber band ligation:** Less invasive, but can still cause pain or bleeding, especially for patients on blood thinners.



Artery Embolization (HAE)

with a success rate of over 90%. It provides a quicker recovery. HAE is an outpatient same day.

How does HAE work?

1. A small catheter is placed into an artery in your upper thigh or wrist, no anal entry.
2. Using X-ray guidance, the doctor directs the catheter to the arteries feeding the hemorrhoids.
3. Tiny coils are placed to block blood flow.
4. With less blood supply, the hemorrhoids shrink.
5. Symptoms improve within days to weeks.

No general anesthesia, no incisions, and no scars.



Why Choose North Star Vascular & Interventional?

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- Over a decade of experience using advanced embolization techniques
- Among the first in the U.S. to perform many of these techniques
- Have trained hundreds of physicians worldwide
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You'll receive:

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