

# CHRONIC HEMORRHOIDS:

## *Prevalence, Risks and Treatment Options*

### PREVALENCE

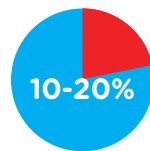


Chronic hemorrhoidal disease affects  
**10,000,000 AMERICANS**  
per year<sup>1</sup>

Caucasians at a higher socioeconomic status are at the  
**HIGHEST RISK<sup>3</sup>**



It is the **3RD LEADING**  
outpatient GI diagnosis<sup>2</sup>

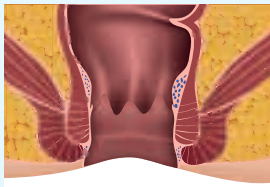


While most cases can be treated conservatively, it is estimated that  
**10-20%** of the one million new cases of hemorrhoids each year  
**REQUIRE SURGERY<sup>4</sup>**

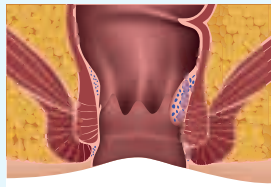


It is responsible for **3.3 MILLION AMBULATORY CARE VISITS** within the U.S.<sup>1</sup>

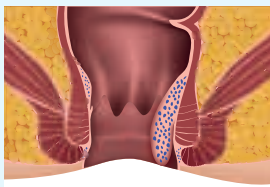
### RISK



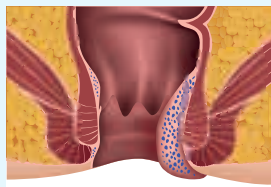
**GRADE 1**



**GRADE 2**



**GRADE 3**



**GRADE 4**

#### LEFT UNTREATED, CHRONIC HEMORRHOIDS CAN LEAD TO THE FOLLOWING:

- INFLAMMATION
- ANEMIA
- BLOOD CLOTS
- INFECTION
- SKIN TAGS
- PROLAPSED HEMORRHOIDS
- STRANGULATED HEMORRHOIDS

# TREATMENT

## Hemorrhoidectomy

- **Intense pain** is the greatest concern after hemorrhoidectomy, lasting between 2-4 weeks and requiring pain medication<sup>5,6</sup>
- **Postoperative hemorrhage** is a relatively common complication, occurring in up to 25% of cases<sup>7,8,9,10,11,12,13,14</sup>
- **Postoperative incontinence** after stapled hemorrhoidectomy was reported in up to 28% of cases<sup>15</sup>
- Within 5 years of hemorrhoidectomy, **recurrence occurred** in 18.2% of patients and reoperation was performed in 7.2% of cases<sup>16</sup>

## Hemorrhoidal Artery Embolization (HAE)

- HAE is a minimally invasive, image-guided therapy that **reduces hemorrhage** in patients with chronic hemorrhoids<sup>17</sup>
- It is **safe and effective**<sup>18</sup> and offers comparable results to surgery, but with **less pain**<sup>19</sup>
- There have been **no reported ischemia or serious complications** with HAE<sup>20,21,22</sup>
- Clinical **success** was achieved in **93%** of patients<sup>18</sup>
- **75% of patients were satisfied** with the procedure<sup>18</sup>
- Analysis of HDSS and SHS scores showed a significant improvement in **symptom reduction** and in **quality of life**<sup>23</sup>

“ Hemorrhoidal embolization was a safe and effective technique in the treatment of symptomatic hemorrhoidal disease with minimal hospitalization, pain and disruption of daily activities.<sup>24</sup> ”

The physicians of Vascular & Interventional Specialists of America have been performing embolization procedures and vascular therapies for many years and are among Alabama's leading experts on these procedures. If you are interested in learning more about therapies for chronic hemorrhoids or other diseases and conditions, please consult with one of our radiologists by calling 205-905-8411.



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