



## Benefits of PAE



Minimally Invasive Procedure



Reduced Risk of Side Effects and Complications



Quick Recovery with Minimal Downtime



Preserves Prostate Tissue

Prostatic Artery Embolization (PAE) offers several advantages over traditional BPH treatments. It is minimally invasive, requiring one small exterior incision for access, no general anesthesia, and has a lower risk of complications like erectile dysfunction and incontinence. Recovery time is quick, with most patients returning to normal activities within days. PAE also preserves prostate tissue, unlike surgeries that remove tissue.

These benefits make PAE a safer, effective alternative for managing BPH with fewer long-term side effects.

## What is PAE?

Prostate artery embolization (PAE) is a minimally invasive procedure designed to alleviate urinary symptoms resulting from an enlarged prostate. This approach serves as a nonsurgical alternative for men experiencing urinary tract symptoms due to prostate enlargement. Following PAE, symptoms gradually improve over the next 1-2 weeks as inflammation subsides. Subsequently, tissue healing occurs, leading to the gradual shrinkage of the prostate gland over 1-2 months. PAE boasts a high success rate, with over 90% of men finding relief within the first year. Notably, unlike other treatments that may have undesirable sexual side effects, PAE does not impact sexual performance.

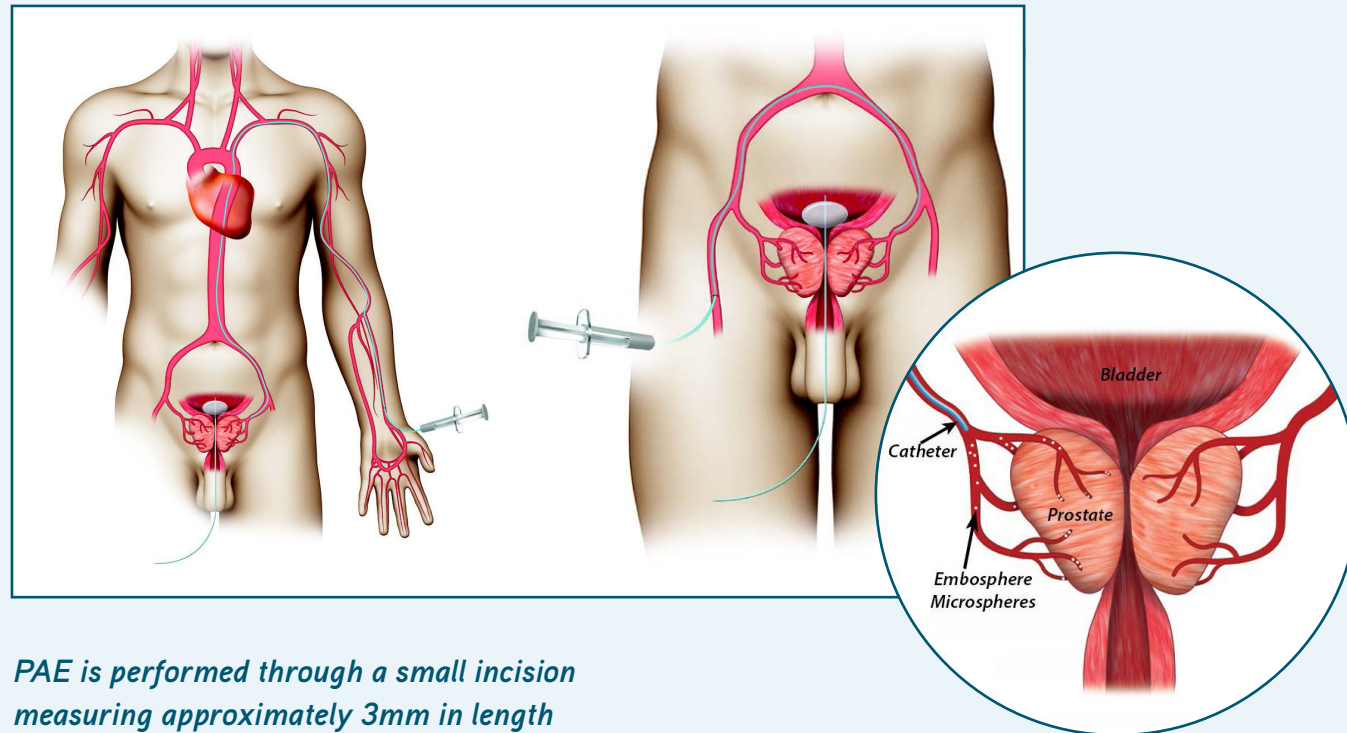
## During PAE

The majority of procedures take 1–2 hours, but could be up to 4 hours, depending on vascular network and other factors.

It's performed by an interventional radiologist who inserts a small catheter into an artery in the groin or wrist. The procedure involves injecting inert particles into the prostate arteries to starve them of blood flow.

## After PAE

PAE is an outpatient procedure, so most patients go home the same day. After the procedure you will be followed closely for several hours by our healthcare team.



***PAE is performed through a small incision measuring approximately 3mm in length made in your wrist (left) or groin (right).***

## Interventional Radiologists



**Tirth Patel, MD**, is a board-certified Interventional Radiologist specializing in Prostatic Artery Embolization (PAE) for the treatment of benign prostatic hyperplasia (BPH). His practice provides men with BPH symptoms a minimally invasive, non-surgical alternative to traditional prostate procedures, focusing on symptom relief, patient safety, and preserving quality of life.

Dr. Patel earned his medical degree from Drexel University College of Medicine in Philadelphia. He completed his Diagnostic Radiology residency at the University of North Carolina at Chapel Hill. He went on to complete advanced subspecialty training in Interventional Radiology at NYU Grossman School of Medicine in New York.

Having trained under world-renowned experts, Dr. Patel has contributed to publications on a variety of topics including PAE and developed extensive experience in embolization techniques. He utilizes advanced imaging and precise endovascular skills to customize each PAE procedure according to the individual patient's anatomy to optimize outcomes while minimizing risk and recovery time.

Known for his patient-centered approach, Dr. Patel is passionate about collaborating with other specialists to ensure each patient is properly evaluated and aware of their treatment options. He is proud to work with Urology Specialists to ensure appropriate care for all urologic patients. He is committed to educating patients so they fully understand what to expect before and after undergoing PAE. Dr. Patel aims to deliver high-quality, evidence-based care and bring specialized minimally invasive image-guided therapies to patients in the Charlotte area.

## About Urology Specialists

Urology Specialists is an independent urology practice serving Charlotte and the surrounding regions since 1928. Our mission is to provide expert care in a compassionate, personalized manner.

Our board-certified physicians are trained at leading medical institutions and offer advanced diagnostic and treatment options across the full spectrum of urologic conditions. We believe in taking the time to listen, educate, and partner with our patients to determine the most appropriate course of care. Consistent with our commitment to offering innovative services, we are happy to offer our patients access to expert care in PAE.



Scan code to learn more about Prostatic Artery Embolization (PAE)

<https://urologyspecialistsnc.com/>

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# Prostatic Artery Embolization (PAE)

Minimally invasive procedure to improve urinary symptoms caused by Benign Prostatic Hyperplasia



**US Urology**  
SPECIALISTS

**Interventional  
Radiology**