

PROSTATE ARTERY EMBOLIZATION

**A NEW TREATMENT FOR
ENLARGED PROSTATE (BPH)**



LVI

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INSTITUTE

A LESS INVASIVE, HIGHLY EFFECTIVE TREATMENT FOR BPH

BENIGN PROSTATIC HYPERPLASIA (BPH)—ALSO KNOWN AS AN ENLARGED PROSTATE GLAND— IS COMMON AS MEN AGE.

It is a non-cancerous condition that affects half of all men between 51 and 60 years of age and up to 90% of men older than 80. An estimated 14 million men in the U.S. have symptoms of BPH, such as a frequent or urgent need to urinate and an increased need to urinate at night. BPH is also linked to erectile dysfunction and reduced sex drive.

The prostate gland is located right beneath your bladder. As it grows, it pushes against the urethra and can block urine flow. Most men with BPH are unhappy with the condition and do not wish to live the rest of their lives with its symptoms, which typically include:

- A frequent or urgent need to urinate (especially at night)
- A weak urine stream
- Difficulty beginning urination or dribbling at the end
- Inability to completely empty the bladder

Left untreated, BPH can lead to urinary tract infections (UTIs), bladder damage, bladder stones, kidney damage (or chronic renal failure) and urinary retention (the inability to urinate).

It affects

50% OF ALL MEN

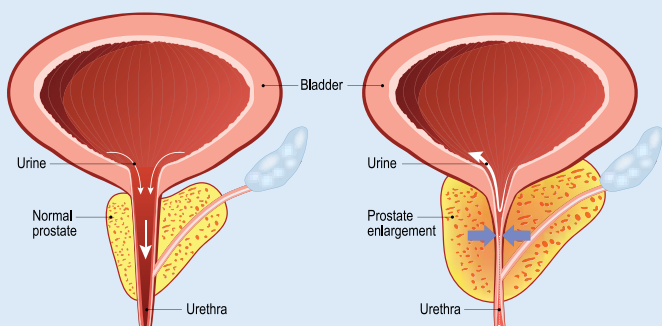
51-60 YEARS OLD



WHAT HAPPENS AS THE PROSTATE GLAND ENLARGES?

The prostate is a gland that is normally the size of a walnut. With BPH, it can grow as large as a tennis ball. The enlarging prostate can put pressure on the urethra, which carries urine out of the body. This can restrict the flow of urine or, in extreme cases, cut it off completely.

BENIGN PROSTATIC HYPERPLASIA



Left untreated,

BPH CAN LEAD TO COMPLICATIONS

including infection, renal failure and urinary, bladder or kidney stones¹



1. www.RadiologyInfo.org

TREATMENT OPTIONS

Men with mild BPH symptoms can be effectively treated with lifestyle changes, supplements and/or medication. Your doctor may also ask you to avoid taking certain medications like decongestants or certain antihistamines that can affect your prostate.

A new procedure cleared by the FDA in 2018, known as **prostate artery embolization (PAE)**, is a less invasive treatment option for men with severe BPH symptoms. This convenient outpatient procedure may alleviate BPH symptoms for most men.

THE PAE PROCEDURE

PAE is performed by an interventional radiologist who, using imaging guidance, inserts a tiny catheter into an artery in the patient's upper thigh or wrist, and then guides it through the body's blood vessels to the arteries supplying blood to the prostate. Tiny beads called 'microspheres' are released through the catheter and into the arteries, blocking blood flow to the prostate. With reduced blood flow, the prostate shrinks and symptoms are relieved.

PAE is an outpatient procedure that requires no anesthesia. **It has a high success rate (75-95%)**, a fast recovery, minimal complications and a low risk of sexual side effects.

COMPLICATIONS OF PAE

PAE should only be performed by a trained and experienced interventional radiologist. Complications with this procedure are rare, and can include infection at the catheter insertion site, nausea, vomiting, fever, pelvic pain, and frequent or painful urination.

and
90% OF MEN

OLDER THAN 80²





PROSTATE ARTERY EMBOLIZATION IS RECOMMENDED FOR PATIENTS WHO:

- Have an enlarged prostate (>50 grams)
- Have not been able to control their BPH symptoms with medication
- Have refractory hematuria
- Are not candidates for surgery or do not wish to have surgery
- Did not respond well to other treatment options
- Have chronic kidney disease
- Are on anticoagulation medications
- Smoke cigarettes



TALK TO YOUR DOCTOR ABOUT PAE

PAE is a new and less invasive option to treat BPH. If you have been diagnosed with BPH or enlarged prostate, talk with your doctor and share this brochure with them. If you have questions, call us! We are happy to help provide the information that you need to make an informed decision with your doctor.



LAKELAND VASCULAR INSTITUTE MEDICINE WITHOUT LIMITS™

Interventional radiology (IR) represents an exciting new frontier in medicine. Today's IR therapies are more precise, less invasive and more effective than ever... providing additional options to treat disease and restore your patients to optimal health.

At the Lakeland Vascular Institute, we do so much more than treat vascular disease. We use the body's vascular system—along with state-of-the-art imaging guidance—to reach the source of the problem and deliver precisely targeted therapy. Cancerous tumors. Spine fractures. Abdominal aortic aneurysms. Uterine fibroids. Obesity. And of course, vascular disease and access. These and many other health conditions can be treated faster, less expensively and with greater safety and accuracy than ever before.

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