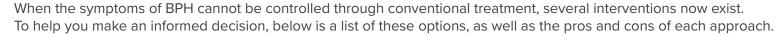
## **BENIGN PROSTATIC HYPERPLASIA (BPH)**

## **TREATMENT OPTIONS**





Procedure	Treatment Description	No hospitalization required	No anesthesia required	No permanent implants required	Preserves sexual function?	Improves sexual function?	Suitable for larger prostate?	Incidence of side effects	Need for re-treatment	Common side effects, in addition to normal surgical or procedure risk of infection, include:
Prostatectomy	Recommended for those with a very enlarged prostate, this open surgery procedure is used to remove a large amount of prostate tissue or gland itself.	×	X	<b>/</b>	×	×	<b>/</b>	High	Low	Stress incontinence     Urinary tract infection     Erectile dysfunction     Dry orgasm
Transurethral Resection of the Prostate (TURP)	Common surgery to treat BPH, this approach cuts and removes excess prostate tissue to make gland smaller and reduce symptoms.	×	X	<b>/</b>	X	X	<b>/</b>	High	Low	Retrograde ejaculation     Erectile dysfunction     Dry orgasm     Loss of bladder control
Transurethral Incision of the Prostate (TUIP)	Surgery involves making small cuts within the prostate gland to reduce pressure on urethra.	X	X	<b>/</b>	X	X	X	Medium	High	Temporary difficulty urinating Urinary tract infection Need for re-treatment
UroLift <sup>®</sup>	Non-invasive procedure that uses a special device to place permanent implants into body to lift prostate tissue away from urethra.	<b>/</b>	<b>/</b>	X	<b>/</b>	X	X	Low	High	Painful urination Urinary urgency Light blood in urine
Transurethral Microwave Therapy (TUMT)	Non-invasive procedure that uses a microwave antenna on a tube inserted into bladder. The microwave heat destroys excess prostate tissue.	<b>/</b>	<b>/</b>	<b>/</b>	<b>/</b>	X	X	Medium	High	New or worsening urinary symptoms     Chronic prostate inflammation     Temporary painful urination
Rezum Water Vapor Therapy	Device inserted into urethra delivers water vapor to treat excess prostate tissue.	<b>/</b>	<b>/</b>	<b>/</b>	<b>/</b>	X	X	Low	Low	Temporary painful urination Urinary urgency Light blood in urine Decrease in ejaculatory volume
Prostate Artery Embolization	Non-invasive procedure to partially block blood flow to prostate gland. This causes the gland to shrink and symptoms to alleviate. Also appropriate for those with larger prostates.	<b>/</b>	<b>/</b>	<b>✓</b>	<b>✓</b>	<b>/</b>	<b>/</b>	Low	Low	Temporary painful urination Light blood in urine Nausea