

Aquablation Therapy: An Update on Minimally Invasive Therapy for Benign Prostatic Hyperplasia and Male Lower Urinary Tract Symptoms

Tanmay Sarma, B.Pharm

Department of Pharmacology, Girijananda Chowdhury Institute of Pharmaceutical Science (GIPS), Guwahati, Assam, India - 781017.

Lower urinary tract symptom (LUTS) is a frequent symptom of Benign prostatic hyperplasia (BPH) in elderly men (age between 55 to 65). Though many innovative interventional therapies have arisen throughout the years. However, some have gone out of favour, and other solutions are being investigated. We're attempting to offer a comprehensive update on less invasive BPH treatment options such as Aquablation therapy. According to the findings, aquablation offers high effectiveness and durability throughout the treatment of LUTS in BPH patients. Regardless of prostate size or form, Aquablation is a sophisticated, minimally invasive therapy that employs the power of water administered with robotic accuracy to give best-in-class and long-lasting symptom alleviation with low risks of permanent consequences. It combines real-time, multi-dimensional imaging, automated robotics, and heat-free waterjet ablation technology to remove prostate tissue in a targeted and immediate manner. Aquablation produces predictable and repeatable results regardless of prostate structure or size. These new therapy out-perform the gold standard, transurethral resection of the prostate (TURP), in terms of objective results, with the added bonus of less sexual adverse effects. Aquablation is a surgical therapy option for LUTS caused by BPH that can provide immediate, considerable, and long-term relief. This procedure is equally effective as transurethral resection of the prostate (TURP), but with the added benefits of retaining sexual function, lowering patient morbidity, and lowering healthcare expenditures.

Keywords: Aquablation, Benign prostatic hyperplasia (BPH), Lower urinary tract symptoms (LUTS).