

Next Generation Focal Therapy System

IRREVERSIBLE ELECTROPORATION (IRE)

A non-thermal surgical ablation technique in which electrical fields are used to create nano-scale defects in a cell's membrane, which causes cell death only in targeted tissue, while critical structures such as ducts, blood vessels and nerves remain functional. IRE is an ablative modality of choice for tumours close to critical structures in **liver, pancreas, kidney and prostate**.

FOCAL THERAPY

Focal Therapy for Prostate Cancer targets and destroys localised tumors within the prostate gland, sparing healthy tissue to minimise side effects like impotence and incontinence common with whole gland treatments like surgery and radiation. It addresses the gap between active surveillance and radical treatments low to intermediate risk PCa to achieve oncological control.

THE PROCEDURE

2 to 6 probes are positioned in or around the lesion and an electrical field is created between them in a series of micro-second pulses, which induces cell death in the encompassed soft tissue. Unlike thermal treatments to destroy tissue, IRE treats without exposing tissue to extreme cold or heat, eliminating a major cause of treatment failure and possible damage to normal tissue dysfunction.



ADVANTAGES

- Latest generation focal therapy system
- Can treat tumours in **any location within the prostate**.
- **Preserves** urinary, bowel, and sexual function.
- 45 minutes to 1 hour with **same day discharge**

WHO IS ELIGIBLE

Persons with:

- Gleason scores between 6-8
- Localised prostate cancer.
- Tumours in any location within the prostate.

