



NanoKnife

IRE(NanoKnife) Technology in Prostate cancer

IRE

(NanoKnife)

Technology in Prostate cancer



Focal ablative therapies are viable alternatives for the treatment of localized prostate cancer. The rationale in focal tumor ablation is to preserve normal healthy tissues, vital structures like vessels and nerves in the vicinity of the tumor while eliminating the tumoral structure at the target with clear margins. One of the main advantages of the IRE(NanoKnife) technology is that it does not cause any thermal effect on nerves and vessels.

IRE(NanoKnife) does not cause any side effects like erectile dysfunction or urinary incontinence.

IRE(NanoKnife) experience in prostate cancer patients demonstrated that the ablation was sufficient in the targeted areas and that there were not any skip lesions. In view of the fact that prostate cancer is the second most common cancer in men worldwide, IRE(NanoKnife) has the potential to permanently change the way prostate cancer is treated.

- IRE(NanoKnife) is not an operation. It uses focused electric pulses to destroy the tumor by needles via skin.
 - This leaves surrounding healthy cells untouched and preserving surrounding healthy tissue.
 - This means effective treatment of prostate cancer cells with minimal side effects
 - IRE(NanoKnife) has been cleared by the FDA for the surgical ablation of soft tissue.
 - IRE(NanoKnife) System generally requires one-day night hospital stay
 - IRE(NanoKnife) System can be done several times without any damage prostate cancer is treated.

