

NEVER COMPROMISE

Patients with prostate disease

are searching for alternatives to active surveillance and radical therapies to maintain their quality of life.¹ Expand their treatment options with the NanoKnife System, a powerful function-preserving therapy that can meet their needs.²

REFERENCES:

1. Murray TBJ. The Pathogenesis of Prostate Cancer. In: Bott SRJ, Ng KL, eds. Prostate Cancer. Brisbane (AU): Exon Publications; May 27, 2021.
2. Scheltema MJ, Geboers B, Blazeovski A, et al. Median 5-year outcomes of primary focal irreversible electroporation for localised prostate cancer. BJU Int. 2023;131 Suppl 4:6-13. doi:10.1111/bju.15946
3. van den Bos, W et al. "Histopathological Outcomes after Irreversible Electroporation for Prostate Cancer: Results of an Ablate and Resect Study." The Journal of urology vol. 196,2 (2016): 552-9. doi:10.1016/j.juro.2016.02.2977
4. Fainberg, Jonathan et al. "Targeted Ablation Using Ultrasound-Guided Irreversible Electroporation of Index Tumors (TARGET Study): Prospective Development Study Evaluating Safety, Patient-Reported Outcomes, and Oncologic Efficacy." Urology practice, 101097UPJ00000000000000666. 17 Jul. 2024, doi:10.1097/UPJ.0000000000000666
5. Blazeovski A, Scheltema MJ, Yuen B, et al. Oncological and quality-of-life outcomes following focal irreversible electroporation as primary treatment for localised prostate cancer: A biopsy-monitored prospective cohort. European Urology Oncology. 2020;3(3):283-290. doi:10.1016/j.euo.2019.04.008
6. de la Rosette, Jean et al. "A Multicenter, Randomized, Single-blind, 2-Arm Intervention Study Evaluating the Adverse Events and Quality of Life After Irreversible Electroporation for the Ablation of Localized Low-intermediate Risk Prostate Cancer." The Journal of urology vol. 209,2 (2023): 347-353. doi:10.1097/JU.0000000000003051
7. Onik, Gary, et al. "Irreversible electroporation: Implications for prostate ablation." Technology in Cancer Research & Treatment , vol. 6, no. 4, Aug. 2007, pp. 295-300, https://doi.org/10.1177/153303460700600405.
8. Blazeovski, Alexandar, et al. "Focal ablation of apical prostate cancer lesions with irreversible electroporation (IRE)." World Journal of Urology, vol. 39, no. 4, 2 June 2020, pp. 1107-1114, https://doi.org/10.1007/s00345-020-03275-z.
9. Scheltema, Matthijs J et al. "Impact on genitourinary function and quality of life following focal irreversible electroporation of different prostate segments." Diagnostic and interventional radiology (Ankara, Turkey) vol. 24,5 (2018): 268-275. doi:10.5152/dir.2018.17374
10. Data on file - Pivotal Study of the NanoKnife System for the Ablation of Prostate Tissue (PRESERVE)
11. Cussenot O and Stricker P. Irreversible Electroporation for Patients with Localised Prostate Cancer: Expert Opinion on this Versatile Therapeutic Approach. EMJ Urol. 2021;9(1):56-62.
12. Van Riel LAMJG, Geboers B, Kabaktepe E, et al. Outcomes of salvage radical prostatectomy after initial irreversible electroporation treatment for recurrent prostate cancer. BJU Int. 2022;130(5):611-618. doi:10.1111/bju.15759

DISCLAIMERS:

*Treatment time does not include patient prep, anesthesia initiation or recovery room time.

INDICATIONS FOR USE:

US: The NanoKnife System with six outputs is indicated for surgical ablation of soft tissue, including prostate tissue.

Canada: The NanoKnife System is a medical device for cell membrane electroporation. Electroporation is a phenomenon that occurs in cell membranes as cells are exposed to an electrical field of sufficiently high intensity. The electric field acts as a physical stimulus, bringing about alterations in cell membranes that result in increased permeability.

EU: The NanoKnife System is indicated for the ablation of prostate tissue in patients with intermediate risk prostate cancer.

Contraindications:

- Ablation procedures using the NanoKnife System are contraindicated in the following cases:
- Ablation of lesions in the thoracic area in the presence of implanted cardiac pacemakers or defibrillators
- Ablation of lesions in the vicinity of implanted electronic devices or implanted devices with metal parts.
- Ablation of lesions of the eyes, including the eyelids.
- Patient history of Epilepsy or Cardiac Arrhythmia
- Recent history of Myocardial Infarction.

The indication, contraindication, and product availability for the NanoKnife System varies by region. Refer to Instructions for Use and/or User Manual provided with the product within your specific region for complete Instructions, Warnings, Precautions, Potential Complications and Contraindications prior to use of the product. Not all products are available, registered, or marketed in all regions.

Caution: Federal (USA) law restricts the use of the system by or on the order of a physician.

Refer to Directions for Use and/or User Manual provided with the product for complete Instructions, Warnings, Precautions, Possible Adverse Effects and Contraindications prior to use of the product.

Full Risk Info: <https://www.angiodynamics.com/about-us/risk-information>



AngioDynamics, the AngioDynamics logo, NanoKnife, and the NanoKnife logo are trademarks and/or registered trademarks of AngioDynamics, Inc., an affiliate or a subsidiary. © 2024 AngioDynamics, Inc. GL/ON/BR/3046 Rev 02 12/2024

A Powerful,
Function-Preserving
Therapy





NANO KNIFE

Irreversible Electroporation (IRE) PROSTATE

CLINICAL BENEFITS

RELIABLE ABLATION

Electrical pulses to destroy all living cells within the treatment area with no skip lesions.^{3,4}

GENEROUS MARGINS

Increased margin expansion without negatively impacting the rates of erectile function and incontinence in men.^{5,6}

LESS COLLATERAL DAMAGE

Ability to ablate across the urethra, nerves, and urinary sphincters to ensure treatment of lesions near vital structures while preserving a patient's quality of life.^{7,8}

UNMATCHED VERSATILITY

Can treat all segments of the prostate, allowing physicians to build expertise in a single technology to optimize outcomes for patients.^{9,10}

EASY INTEGRATION

Treatment typically takes one hour and seamlessly integrates into your practice utilizing existing imaging and biopsy skills.^{10,11}

CONSERVE FUTURE OPTIONS

Procedures can be repeated if necessary and do not interfere with more standard treatments such as surgery or radiotherapy.^{12*}