# IRE Prostate Bibliography

# IRE - Prostate – Key studies

**Median 5‐year outcomes of primary focal irreversible electroporation for localized prostate cancer**

*Scheltema et al.* - BJU International. December 2022.

doi:10.1111/bju.15946

**Oncological and Quality-of-life Outcomes Following Focal Irreversible Electroporation as Primary Treatment for Localised Prostate Cancer: A Biopsy-monitored Prospective Cohort**

*Blazevski et al.* - European Urology Oncology. -2020;3(3):283-290.

doi:10.1016/j.euo.2019.04.008

**Irreversible electroporation (IRE): a narrative review of the  development of IRE from the laboratory to a prostate cancer treatment**

*Blazevski et al.* - BJU International.-2020;125(3):369-378.

doi:10.1111/bju.14951

**Histopathological Outcomes after Irreversible Electroporation for  Prostate Cancer: Results of an Ablate and Resect Study**

*Van den Bos et al.* - Journal of Urology, The. 2016;196(2):552-559.

doi:10.1016/j.juro.2016.02.2977

**Focal irreversible electroporation as primary treatment for localized  prostate cancer**

*Van den Bos et al.* - BJU International. 2018;121(5):716-724.

doi:10.1111/bju.13983

# Prostate – Functional and Oncological Outcomes

**One-Year Follow-up results of Transperineal Biopsy For Patients Undergoing Irreversible Electroporation Treatment in Localized Prostate Cancer**

ADSAN et al.-Urology Research and Practice 2023;49(6):381-386

DOI:10.5152/tud.2023.23

**Image-guided irreversible electroporation of localized prostate cancer:**

**Functional and oncologic outcomes**

*Collettini et al.* - Radiology. 2019;292(1):250-7.

doi: 10.1148/radiol.2019181987.

**Focal therapy for prostate cancer with irreversible electroporation:  Oncological and functional results of a single institution study**

*William John Yaxley et al. -* Investig Clin Urol 2022;63:285-293.

<https://doi.org/10.4111/icu.20210472>

**Effect of Focal vs Extended Irreversible Electroporation for the Ablation  of Localized Low- or Intermediate-Risk Prostate Cancer on Early  Oncological Control A Randomized Clinical Trial**

*Kai Zhang et al. -* JAMA Surg. 2023.

doi:10.1001/jamasurg.2022.7516

**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**

*Jean de la Rosette et al. –* THE JOURNAL OF UROLOGY,Vol. 209, 347-353, Feb 2023. <https://doi.org/10.1097/JU.0000000000003051>

**Focal Irreversible Electroporation for Localized Prostate Cancer – Oncological and Safety Outcomes Using mpMRI and Transperineal Biopsy Follow-Up**

*Ilan Gielchinsky, Naama Lev-Cohain* - Research and Reports in Urology 2023:15 27–35 https://doi.org/10.2147/RRU.S393243

**Real-World Comparative Safety and Effectiveness of Irreversible Electroporation and High-Intensity Focused Ultrasound for Prostate Cancer Ablation**

*Cribbs KA, Manning EF, Zhou J, Lahue BJ, Polascik TJ.* - Urology.2023;174:7-17.

doi:10.1016/j.urology.2023.01.024

**Prostate Cancer IRE Study (PRIS): A Randomized Controlled Trial  Comparing Focal Therapy to Radical Treatment in Localized Prostate  Cancer**

*Lantz et al. –* European Urology Open Science - 5 1 ( 2 0 2 3 ) 8 9 – 9 4 https://doi.org/10.1016/j.euros.2023.03.003

# Prostate – Salvage treatment

**The Effects of Metallic Implants on Electroporation Therapies: Feasibility  of Irreversible Electroporation for Brachytherapy Salvage**

*Neal et al.* - CardioVascular and Interventional Radiology. 2013;(6):1638-1645.

doi:10.1007/s00270-013-0704-1

**Feasibility and safety of focal irreversible electroporation as salvage  treatment for localized radio‐recurrent prostate cancer**

*Scheltema et al. -* BJU International. 2017;120:51-58.

doi:10.1111/bju.13991

**Salvage irreversible electroporation for radio‐recurrent prostate cancer – the prospective FIRE trial**

*Blazevski et al.* - BJU International. 2023;131:23-31.

doi:10.1111/bju.15947

**The SAFE Pilot Trial—SAlvage Focal Irreversible Electroporation—For Recurrent Localized Prostate Cancer: Rationale and Study Protocol** *Giancarlo Marra et al. -* Frontiers in Surgery 2022, Volume 9, Article 900528

doi: 10.3389/fsurg.2022.900528

**Median 4-year outcomes of salvage irreversible electroporation for  localized radio-recurrent prostate cancer**

*Geboers et al. -* BJU Int 2023

doi:10.1111/bju.15948

# Prostate – Post IRE Salvage treatment

**Salvage robot**‑**assisted radical prostatectomy following focal ablation with irreversible electroporation: feasibility, oncological and functional outcomes**

*Blazevski et al. -* BMC Urology (2022) 22:28.

https://doi.org/10.1186/s12894-022-00978-w

**Outcomes of salvage radical prostatectomy after initial irreversible  electroporation treatment for recurrent prostate cancer**

*Luigi A.M.J.G. van Riel et al. -* BJU Int 2022.

doi:10.1111/bju.15759

**Outcomes of Salvage Radical Prostatectomy after initial IRE Treatment  for Recurrent Prostate Cancer**

*Van Riel et al.* - BJU International. April 2022.

doi:10.1111/bju.15759

# Prostate – IRE Technique

**Focal Therapy of Prostate Cancer Using Irreversible Electroporation** *Valerio, Ahmed, Emberton* - Techniques in Vascular and Interventional Radiology.  2015;18(3):147-152.

doi:10.1053/j.tvir.2015.06.005

**Diagnostic Accuracy of Multiparametric Magnetic Resonance Imaging to  Detect Residual Prostate Cancer Following Irreversible  Electroporation—A Multicenter Validation Study**

*Geboers et al.* - European Urology Focus.2022;8(6):1591-1598.

doi:10.1016/j.euf.2022.04.010

# Prostate – Prostate Segments

**Impact on genitourinary function and quality of life following focal irreversible electroporation of different prostate segments** *Scheltema et al.* - Diagnostic and Interventional Radiology. 2018;24(5):268-275.

doi:10.5152/dir.2018.17374

**Focal ablation of apical prostate cancer lesions with irreversible electroporation (IRE)**

*Blazevski et al.* - World Journal of Urology. 2021;39(4):1107-1114.

doi:10.1007/s00345-020-03275-z