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# Irreversible Electroporation

National Cancer Institute

## Source

National Cancer Institute. *Irreversible Electroporation*. NCI Thesaurus. Code C131483.

A non-thermal ablation modality that is used in the treatment of locally advanced soft tissue tumors. This technique uses ultra-short, but strong, electrical fields to create permanent, lethal nanopores in cell membranes, disrupting cellular homeostasis and causing cell death. The technique may be performed intraoperatively, laparoscopically, or percutaneously.