
Clinical applications of IRE

François Cornelis*¹

¹Hôpital Pellegrin – Groupe hospitalier Pellegrin, CHU Bordeaux – Bordeaux, France

Résumé

Irreversible Electroporation (IRE) for cancer treatment is a promising alternative. An increased use has been observed over the past decade because to its advantage to be a non-thermal therapy. IRE offers benefits over other focal therapies in particular because IRE allow reduced collateral thermal injury after treatment. However, although in vivo studies now identify treatment planning protocols (IRE threshold, pulse parameters, etc.), electrode delivery (electrode design, placement, intra-operative imaging methods, etc.), injury evaluation (methods and timing), and treatment efficacy in different cancer models, additional evaluations are mandatory to better establish the technique in a clinical practice.

*Intervenant