

CT-guided irreversible electroporation safe in unresectable pancreatic carcinoma

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A small group of patients with locally advanced unresectable pancreatic carcinoma suffered no major ill effects—pancreatitis or fistula formation—after undergoing percutaneous CT-guided irreversible electroporation (IRE)—a nonthermal ablation technology that is safe near vascular and ductal structures—as a therapy.

"Our findings exceeded our expectations," said Maria Paola Belfiore, a researcher at the Institute of Radiology, Second University of Naples. "In fact, three patients were downstaged, and so had a greater life expectancy. This is a great new promise for inoperable [pancreatic tumors](#)."

The ablation procedure was successful in 100 percent of the patients. These early results represent a good alternative to intraoperative IRE [ablation](#), and offer a safe and feasible primary local treatment for locally advanced pancreatic cancer.

More information: Dr. Belfiore presented the study on May 6 at the 2014 ARRS Annual Meeting in San Diego, CA.

Provided by American Roentgen Ray Society

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