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**Manuscript Type:** SYSTEMATIC REVIEWS

**Local ablation of pancreatic tumors: State of the art and future perspectives**

Granata V *et al.* Local ablation of pancreatic tumors

<sup>21</sup>  
 Vincenza Granata, Roberta Grassi, Roberta Fusco, Andrea Belli, Raffaele Palaia,  
 Gianpaolo Carrafiello, Vittorio Miele, Roberto Grassi, Antonella Petrillo, Francesco Izzo

## Abstract

### BACKGROUND

Currently, the technologies most commonly used to treat locally advanced pancreatic cancer are radiofrequency ablation (RFA), microwave ablation, and irreversible (IRE) or reversible electroporation combined with low doses of chemotherapeutic drugs.

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**Cited by:** 11 **Author:** Antonio Giorgio**Publish Year:** 2010

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**Cited by:** 60

**Author:** Giovan Giuseppe Di Costanzo, Giampiero F...

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High intensity focused ultrasound (HIFU) applied to hepato-bilio-pancreatic and the digestive system-current state of the art and future perspectives. Digestive system clinical applications of **HIFU** are limited to pancreatic and liver cancer. It is safe and well tolerated.

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For the most part, however, malignant **tumors** are too large at patient presentation to allow effective **local tumor** control with ablative methods, and the chance of cure is dependent upon complete resection, which sharply limits the role of percutaneous **ablation** as primary treatment.

**Cited by:** 142

**Author:** Daniel Rosenthal, Matthew R. Callstrom

**Publish Year:** 2012

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