

# INPLASY

## Endoscopic Ultrasound-guided Radiofrequency Ablation for Pancreatic Adenocarcinoma: A Scoping Review with Meta-analysis

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### ADMINISTRATIVE INFORMATION

**Support** - N/A.

**Review Stage at time of this submission** - Completed, not published.

**Conflicts of interest** - None declared.

**INPLASY registration number:** INPLASY2024100101

**Amendments** - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 24 October 2024 and was last updated on 24 October 2024.

## INTRODUCTION

**Review question / Objective** Technical feasibility, safety, and clinical outcomes of endoscopic ultrasound-guided radiofrequency ablation (EUS-RFA) in pancreatic ductal adenocarcinoma (PDAC).

**Background** Pancreatic ductal adenocarcinoma (PDAC) is among the deadliest cancers worldwide, with increasing mortality rates. Current therapeutic strategies are suboptimal in most cases and there is an urgent need for improved and novel therapies.

**Rationale** EUS-RFA has proven promising in non-PDAC pancreatic neoplasms (neuroendocrine tumors, metastasis) and pancreatic cystic lesions.

## METHODS

**Strategy of data synthesis** Pubmed, Cochrane Library and Scopus literature search.

**Eligibility criteria** Original research articles involving at least 3 human subjects (case series), referring to EUS-RFA in PDAC, providing data on outcome measures such as technical success rate, adverse events and survival.

**Source of evidence screening and selection** Screening by two independent members. Voting conflicts were resolved by discussion between the two members and consensus decision was made.

**Data management** Data extraction according to type of study, number of patients included, PDAC

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characteristics, RFA settings and probe, technical success and adverse events rate.

**Language restriction** Full-text available in English.

**Country(ies) involved** Romania, United Kingdom.

**Keywords** pancreatic cancer; ductal adenocarcinoma; endoscopic ultrasound; radiofrequency ablation.

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