

A CASE OF UNRESECTABLE LOCALLY ADVANCED PANCREATIC CANCER IN WHICH MULTIMODAL TREATMENT WITH CHEMO AND HIFU THERAPY WAS EFFECTIVE FOR THE RESECTION

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UEG Week Copenhagen 2023

Poster

Pancreas

October 15, 2023

A case report describes combined chemotherapy and high-intensity focused ultrasound (HIFU) therapy in a 47-year-old man with unresectable locally advanced pancreatic cancer, suggesting this combination as a promising neoadjuvant and adjuvant strategy.

KEY POINTS

- The patient had a 45 mm pancreatic head cancer infiltrating CA, CHA and SMA, initially unresectable and treated with first-line chemotherapy (GEM+nab-PTX) followed by second-line mFFX combined with HIFU therapy.
- After 2 months of mFFX plus HIFU, the tumour showed shrinking but residual tumours adjacent to major vessels remained, prompting additional HIFU to perivascular areas before total pancreatectomy and portal vein resection-reconstruction.
- Six months after surgery, local recurrence was diagnosed based on increased peri-CA soft-tissue shadow and PET accumulation, treated again with systemic chemotherapy and HIFU with subsequent decrease in PET accumulation.
- The authors suggest the combination of chemotherapy and HIFU therapy may be a promising neoadjuvant and adjuvant approach for unresectable locally advanced pancreatic cancer based on this single case experience.

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