

DYNAMIC CONTRAST-ENHANCED ULTRASOUND (D-CEUS) TO PREDICT BIOLOGICAL BEHAVIOR IN PANCREATIC CANCER: MONOCENTRIC STUDY PRELIMINARY RESULTS

Maria Assunta Zocco

UEG Week Copenhagen 2023

Poster

Pancreas

October 15, 2023

Dynamic contrast-enhanced ultrasound time-intensity parameters, particularly time to peak, distinguished locally advanced from metastatic pancreatic cancer in a prospective study of 36 patients.

KEY POINTS

- Among 36 pancreatic cancer patients (13.9% resectable, 36.1% locally advanced, 50% metastatic), time to peak was significantly higher in locally advanced disease (median 18.03 sec) compared to metastatic disease (median 12.35 sec, $p=0.03$).
- A time to peak cut-off below 11.6 seconds distinguished locally advanced from metastatic pancreatic cancer with 100% specificity but only 50% sensitivity (AUROC 0.74).
- All patients underwent endoscopic ultrasound guided biopsy and CT or MRI staging, with dynamic contrast-enhanced ultrasound performed the same day as biopsy.
- The authors concluded that quantitative perfusion parameters from dynamic contrast-enhanced ultrasound may be useful in distinguishing pancreatic cancer invasiveness and that the findings suggest different microvascular characteristics between tumor categories, though larger studies are needed for confirmation.

VIEW THIS CONTENT ON GUTFLIX

<https://gutflifx.eu/search/d/49540bc0-743c-11ee-8ac8-0242ac140004>



AI-generated summary

This summary was generated by an AI large language model based on the content transcript. It is for informational purposes only and should not be considered a substitute for clinical judgment. Always rely on your professional expertise and the full clinical context when making clinical decisions.