

LIQUID BIOPSY OF BILE IN PATIENTS WITH PANCREATIC DUCTAL ADENOCARCINOMA: PRELIMINARY RESULTS FROM THE "BILE BIOPSY" STUDY

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Poster

Pancreas

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A prospective study of 46 pancreatic ductal adenocarcinoma patients demonstrates that bile contains significantly higher circulating tumor DNA concentrations than plasma and correlates with disease stage.

KEY POINTS

- Bile cfDNA concentrations were significantly higher than plasma (mean 49 ng/uL versus 3.3 ng/uL, $p=0.001$) in patients undergoing biliary drainage for PDAC-associated obstructive jaundice.
- Bile cfDNA levels correlated with disease stage, showing higher concentrations in metastatic patients (81 ng/uL) compared to locally advanced (22 ng/uL) or resectable cases (55 ng/uL).
- Plasma cfDNA levels showed no significant correlation with tumor stage ($p=0.94$).
- Survival analyses showed a non-significant correlation between bile cfDNA concentrations and patient prognosis (Spearman coefficient -0.23, $p=0.2$).
- The authors state that further analyses including genetic sequencing and larger cohort validation are needed to establish clinical utility of bile-derived biomarkers.

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