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**Mucins in neoplasms of pancreas, ampulla of Vater and biliary system**

Moschovis D et al. Mucins in neoplasms of pancreatobiliary system

**Dimitrios Moschovis, Giorgos Bamias, Ioanna Delladetsima**

### Abstract

Tumors of the pancreas, the ampulla of Vater, and the extrahepatic and intrahepatic bile ducts have significant histological similarities due to the common embryonic origin of the pancreatobiliary system. This obviates the need for discovery of biomarkers with diagnostic and prognostic value for these tumors. Mucins, especially MUC-1, -2, -4 and -5AC, are important candidates for developing into such reliable biomarkers. Increased

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Keywords: Pancreatic cystic neoplasm, Serous cystic neoplasm, Mucinous cystic, risk factors