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ACCEPTED MANUSCRIPT Biomarkers in cholangiocarcinoma

The search for novel diagnostic and prognostic biomarkers in

cholangiocarcinoma

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Abbreviations: 5-FU, 5-fluorouracil; AUC, area under the receiver operating characteristic curve; CCA, cholangiocarcinoma; CTCs, circulating tumor cells; dCCA, distal cholangiocarcinoma; EMT, epithelial to mesenchymal transition; EVs, extracellular vesicles; HCC, hepatocellular carcinoma; iCCA, intrahepatic cholangiocarcinoma; MOC, mechanism of chemoresistance, NMR nuclear magnetic resonance spectroscopy; MS, mass spectrometry; pCCA, perihilar cholangiocarcinoma; NMR, nuclear magnetic resonance; PSC, primary sclerosing cholangitis.

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