

**Supplementary Table 4.** List of published trials to other studies (ex. biomarker discovery) via liquid biopsy in hepatocellular carcinoma

NCT Number	Title	Status	Estimated enrollment/perspective	Study details
NCT03071458	Mutational Landscape in Hepatocellular Carcinoma	Completed	808/prospective	Translating Molecular Classifications and Genetic Alterations of Hepatocellular Carcinoma in Clinical Care, detect mutations
NCT04484636	PLATON - Platform for Analyzing Targetable Tumor Mutations (Pilot-study)	Recruiting	200/single group, open label	FoundationOne®CDx and FoundationOne® Liquid to find targetable alterations
NCT04445532	Hepatobiliary Tumors Tissue Samples Acquisition	Recruiting	450/prospective	Biomarker study for hepatobiliary tumor patients
NCT02973204	Circulating Tumor Cells and Tumor DNA in HCC and NET	Completed	167/prospective	Concordance of CTC/ctDNA mutations, biomarker study
NCT02838836	Tumor Cell and DNA Detection in the Blood, Urine and Bone Marrow of Patients With Solid Cancers	Recruiting	120/prospective	CTC/DTC numbers measured in blood, urine and bone marrow samples will be correlated with patient outcome, during surgery, CTCs/DTCs and cfDNA isolated from cancer patients will be characterized for genetic alterations and expression of key signaling/proliferation biomarkers and grow in vivo in nude mice.