

Supplementary Table 1. Additional clinical trials related with peg-IFN, hydroxychloroquine and CAR-GPC3 T cell in liver cancers

Agent	Target	Phase	Trial identifier	Type
Peg-IFN	TCF/ β -catenin	Phase II	NCT00610389	Protein
Peg-IFN	TCF/ β -catenin	Phase III	NCT01821963	Protein
Hydroxychloroquine	v-ATPase	Phase II	NCT03037437	Small molecule inhibitors
Hydroxychloroquine	v-ATPase	Phase I/II	NCT02013778	Small molecule inhibitors
Hydroxychloroquine	v-ATPase	Phase I	NCT04873895	Small molecule inhibitors
CAR-GPC3 T cell	GPC3	Phase I	NCT02932956	Cells
CAR-GPC3 T cell	GPC3	Phase I	NCT04093648	Cells
CAR-GPC3 T cell	GPC3	Phase I	NCT05003895	Cells
CAR-GPC3 T cell	GPC3	Phase I/II	NCT04864054	Cells
CAR-GPC3 T cell	GPC3	Phase I	NCT04951141	Cells
CAR-GPC3 T cell	GPC3	Phase I	NCT04842812	Cells
CAR-GPC3 T cell	GPC3	Phase I	NCT04377932	Cells
CAR-GPC3 T cell	GPC3	Phase I	NCT04715191	Cells
CAR-GPC3 T cell	GPC3	Phase I	NCT05103631	Cells
CAR-GPC3 T cell	GPC3	Phase I/II	NCT02715362	Cells
CAR-GPC3 T cell	GPC3	NA	NCT03146234	Cells
CAR-GPC3 T cell	GPC3	Phase I	NCT03198546	Cells
CAR-GPC3 T cell	GPC3	Phase I/II	NCT03130712	Cells
CAR-GPC3 T cell	GPC3	NA	NCT05047510	Cells
CAR-GPC3 T cell	GPC3	Phase I	NCT04506983	Cells
CAR-GPC3 T cell	GPC3	Phase I/II	NCT05120271	Cells
CAR-GPC3 T cell	GPC3	Phase I	NCT03884751	Cells
CAR-GPC3 T cell	GPC3	Phase I	NCT02395250	Cells
CAR-GPC3 T cell	GPC3	Phase I	NCT03980288	Cells
CAR-GPC3 T cell	GPC3	Phase I/II	NCT02723942	Cells
CAR-GPC3 T cell	GPC3	Phase I/II	NCT03084380	Cells
CAR-GPC3 T cell	GPC3	Phase I	NCT02905188	Cells
CAR-GPC3 T cell	GPC3	Phase I	NCT04121273	Cells
CAR-GPC3 T cell	GPC3	Phase I	NCT05070156	Cells
CAR-GPC3 T cell	GPC3	NA	NCT03302403	Cells
CAR-GPC3 T cell	GPC3	Phase I	NCT04756648	Cells
CAR-GPC3 T cell	GPC3	Phase I	NCT04973098	Cells
CAR-GPC3 T cell	GPC3	Phase I/II	NCT02959151	Cells
CAR-GPC3 T cell	GPC3	Phase I	NCT05155189	Cells

peg-IFN, pegylated-Interferon- α 2a; CRA-GPC3, glypican-3; TCF, T-cell factor; v-ATPase, vacuolar-type ATPase; GPC3, glypican-3; NA, not available.