



**S3 Fig.** The percentage cell survival of HuCCA-1 (A) and KKKU-M213 (B) cells treated with various concentrations of chemotherapeutic drugs at 48 hours by MTT assay. The percentage of cells survival after treatment with the combination of fixed concentration of gemcitabine (0.1 µM) with cisplatin or 5-fluorouracil (5-FU; 0.1, 1, and 10 µM) in HuCCA-1 (C) and KKKU-M213 (D). Result is presented as a mean±SEM of three independent experiments; \*p <

0.05 compared with the control group and #p < 0.05 compared with the gemcitabine-treated group. The combination effect is described as synergism (grey), or antagonism (black) according to the combination index (CI) value. Combination index value (CI) of gemcitabine and cisplatin/5-FU treatment in HuCCA-1 (E) and KKU-M213 (F).