

Supplementary Table 1: Baseline characteristics of CCx and weight-stable patients.

patient	age	sex	BMI [kg/m ²]	cancer type	weight loss (%)*	CCx	UICC stage	CEA [ng/ml]	SMAI [cm ² /m ²]	CRP [mg/dl]	albumin [g/dl]
1	70	f	24.06	PDAC	5.69	+	3	8.27	35.62	0.60	3.20
2	70	m	22.76	AEG	13.33	+	4	66.91	44.88	-	4.30
3	70	m	26.00	PDAC	5.34	+	2	3.38	51.53	-	5.10
4	61	m	20.24	AEG	15.07	+	3	3.82	49.97	0.20	3.90
5	73	m	15.59	ESCC	12.00	+	4	5.82	31.49	2.80	3.70
6	73	f	20.43	PDAC	12.07	+	1	2.65	38.64	1.20	3.80
7	59	m	37.76	AEG	5.36	+	1	1.59	72.91	0.20	4.70
8	71	m	27.47	ECCA	5.32	+	1	1.09	49.44	0.50	-
9	59	m	33.74	AEG	5.83	+	1	5.46	45.27	-	4.40
10	55	m	22.02	PDAC	11.49	+	2	3.46	41.5	0.60	4.70
CCx mean ± SD	66.10 ± 6.44	-	25.01 ± 6.27	-	9.15 ± 3.76	-	-	10.24 ± 20.02	46.13 ± 11.43	0.87 ± 0.85	4.20 ± 0.56
11	75	m	26.26	AAC	0	-	2	3.25	53.55	-	3.80
12	46	m	25.50	AEG	0	-	2	4.32	45.82	0.20	4.30
13	88	m	23.18	PDAC	2.74	-	4	2.75	42.79	0.20	4.00
14	70	m	24.82	CC	0	-	2	11.77	50.6	1.60	4.40
15	78	m	26.81	PDAC	2.33	-	2	7.60	37.25	1.20	4.40
non CCx mean ± SD	71.40 ± 13.99	-	25.23 ± 1.26	-	1.27 ± 1.27	-	-	5.94 ± 3.37	46.00 ± 5.75	0.80 ± 0.62	4.18 ± 0.24

SD = standard deviation, m = male, f = female, BMI = body mass index, PDAC = pancreatic ductal adenocarcinoma, AEG = adenocarcinoma of esophagogastric junction, ECCA = extrahepatic cholangiocarcinoma, ESCC = esophageal squamous cell carcinoma, AAC = ampullary adenocarcinoma, CC = colon cancer, CEA = carcinoembryonic antigen, SMAI = skeletal muscle area index, CRP = C-reactive protein; *during the 6 months prior to surgery; UICC = Union International Cancer Control (we used the eighth edition of tumor, nodes, metastasis classification and staging system)