

Supplemental Table 1

Case number	Second deposition	Sex	Age	Tumor	Arteries coil-embolized	Number of injection positions	Injection positions	C-arm CT used	Treated with radioembolization after correction	Volume of extrahepatic deposition (mL)	Activity in extrahepatic deposition (%)	Absorbed dose of extrahepatic deposition (Gy)
1	No	M	77	Colorectal carcinoma	Gastroduodenal artery	1	Proper hepatic artery	No	Yes	3.1	8.7%	112.1
2	No	F	80	Hepatocellular carcinoma	Gastroduodenal artery	2	Right and left hepatic artery	Yes	No	3.0	0.7%	9.8
3	Yes	F	80	Hepatocellular carcinoma	Gastroduodenal artery	2	Right and left hepatic artery	Yes	No	4.3	3.0%	27.2
4	No	M	61	Colorectal carcinoma	-	1	Proper hepatic artery	No	Yes	6.0	0.1%	0.9
5	No	F	55	Colorectal carcinoma	Gastroduodenal artery, right gastric artery	1	Proper hepatic artery	No	No	7.7	1.8%	9.0
6	No	M	68	Ocular melanoma	-	1	Right hepatic artery	No	No	3.4	0.8%	8.9
7	No	M	61	Colorectal carcinoma	Gastroduodenal artery	2	Common and left (replaced) hepatic artery	Yes	Yes	11.5	0.4%	1.5
8	No	M	65	Colorectal carcinoma	Gastroduodenal artery, right gastric artery	1	Common hepatic artery	Yes	Yes	6.7	0.2%	1.2
9	No	M	75	Hepatocellular carcinoma	-	1	Replaced left hepatic artery	No	No	14.6	1.9%	5.1
10	No	M	65	Colorectal carcinoma	Gastroduodenal artery	1	Proper hepatic artery	No	No	32.3	2.1%	2.6
11	No	M	62	Colorectal carcinoma	-	1	Proper hepatic artery	No	Yes	27.4	17.0%	24.6
12	No	M	57	Cholangio carcinoma	Gastroduodenal artery, right gastric artery	2	Right and left hepatic artery	No	No	4.3	1.3%	11.7
13	No	M	66	Colorectal carcinoma	Gastroduodenal artery	2	Right and left hepatic artery	No	Yes	6.9	1.6%	9.1
14	No	F	73	Colorectal carcinoma	Gastroduodenal artery, right gastric artery	3	Replaced right and left (2x) hepatic artery	No	Yes	15.2	1.7%	4.4
15	No	M	69	Colorectal carcinoma	Gastroduodenal artery, right gastric artery	1	Proper hepatic artery	No	Yes	7.0	2.0%	11.1
16	No	M	55	Hepatocellular carcinoma	Gastroduodenal artery, right gastric artery	2	Right and left hepatic artery	Yes	No	3.7	0.6%	6.2
17	No	F	66	Cholangio carcinoma	Gastroduodenal artery, right gastric artery	1	Common hepatic artery	No	No	4.8	1.2%	9.8
18	No	M	71	Colorectal carcinoma	Gastroduodenal artery, right gastric artery	1	Proper hepatic artery	No	Yes	10.1	1.4%	5.5
19	No	M	80	Colorectal carcinoma	Gastroduodenal artery, right gastric artery	1	Common hepatic artery	No	No	13.0	0.6%	1.7
20	No	M	67	Colorectal carcinoma	Gastroduodenal artery, right gastric artery	2	Right and left hepatic artery	No	Yes	2.1	19.5%	373.8
21	No	F	73	Colorectal carcinoma	Gastroduodenal artery, duodenal branch	1	Proper hepatic artery	No	No	18.1	1.9%	4.1
22	No	M	54	Papil carcinoma	-	1	Proper hepatic artery	No	No	1.1	0.6%	20.2
23	No	M	80	Colorectal carcinoma	Gastroduodenal artery, right gastric artery	2	Right and left hepatic artery	No	No	6.0	0.9%	5.8
24	No	M	75	Cholangio carcinoma	Gastroduodenal artery	2	Right (replaced) and left (replaced) hepatic artery	No	No	41.3	5.1%	4.9
25	Yes	M	75	Cholangio carcinoma	Gastroduodenal artery	2	Right (replaced) and left (replaced) hepatic artery	No	No	11.5	1.1%	3.9
26	No	M	66	Neuroendocrine tumor	Gastroduodenal artery, right gastric artery	2	Right (replaced) and common hepatic artery	No	Yes	7.9	0.3%	1.6

27	No	M	75	Colorectal carcinoma	Gastrooduodenal artery, pancreatic artery	2	Right and left hepatic artery	Yes	Yes	6.7	3.1%	18.6
28	No	M	58	Colorectal carcinoma	Gastrooduodenal artery, right gastric artery	1	Proper hepatic artery	No	Yes	3.7	0.3%	3.1
29	No	M	64	Colorectal carcinoma	Gastrooduodenal artery, right gastric artery	2	Right and left (replaced) hepatic artery	Yes	Yes	6.3	0.2%	1.3
30	No	M	68	Gastric carcinoma	-	2	Right and left hepatic artery	No	No	17.1	2.2%	5.2
31	No	M	75	Ocular melanoma	Gastrooduodenal artery, right gastric artery	1	Proper hepatic artery	No	Yes	6.7	1.1%	6.3
32	No	M	81	Adenocarcinoma of unknown primary	Gastrooduodenal artery, right gastric artery	1	Common hepatic artery	No	Yes	7.7	4.7%	24.0
33	No	F	36	Colorectal carcinoma	Gastrooduodenal artery, cystic artery	2	Right (replaced) and left hepatic artery	No	Yes	5.0	0.8%	6.7
34	No	F	61	Breast carcinoma	Gastrooduodenal artery, right gastric artery	2	Right and left hepatic artery	No	No	13.7	1.7%	5.0