

Table S1

Patients' characteristics

Patient	Sex	Age	Body Weight (kg)	Visi- bility	¹⁸ F]FMISO uptake		Ope- ration?	Days between ¹⁸ F]FMISO PET/CT and operation	Tissue acquired by	HIF1- α expression		Recurrence after operation?	Recurrence days after operation	Arive?	Follow-up days
					TBR peak	Binary				Category 0-3	Binary				
1	M	77	53	Yes	1.77	High	No	N/A	N/A					No	329
2	F	75	39	No	1.08	Low	Yes	30	Operation	0	Negative	Yes	234	No	286
3	M	76	57	No	0.80	Low	Yes	13	Operation	1	Negative	No		Yes	686
4	M	75	59	No	1.03	Low	Yes	6	Operation	1	Negative	Yes	332	No	746
5	F	76	45	No	1.11	Low	Yes	20	Operation	1	Negative	Yes	309	No	414
6	M	67	57	No	1.13	Low	Yes	5	Operation	3	Positive	Yes	353	No	587
7	F	60	49	Yes	2.19	High	No	N/A	N/A					No	39
8	F	67	58	Yes	1.48	High	No	N/A	N/A					No	346
9	M	67	66	No	1.04	Low	Yes	7	Operation	2	Positive	Yes	234	Yes	1101
10	F	73	48	No	0.89	Low	Yes	11	Operation	0	Negative	Yes	561	Yes	591
11	M	61	69	Yes	1.24	Low	Yes	14	Operation	3	Positive	Yes	441	Yes	869
12	F	69	47	Yes	1.70	High	Yes	25	Operation	3	Positive	Yes	60	No	415
13	M	74	61	No	1.09	Low	Yes	16	Operation	2	Positive	No		Yes	869
14	F	60	58	No	1.02	Low	Yes	9	Operation	2	Positive	No		Yes	850
15	F	81	52	No	1.15	Low	Yes	4	Operation	3	Positive	Yes	85	No	137
16	M	62	65	Yes	1.50	High	Yes	28	Operation	1	Negative	Yes	218	No	369
17	M	76	53	No	0.85	Low	No	N/A	Biopsy	1	Negative			Yes	477
18	M	78	57	Yes	1.51	High	Yes	2	Operation	2	Positive	Yes	246	No	437
19	M	73	40	Yes	1.27	High	No	N/A	Biopsy	2	Positive			No	209
20	F	69	53	No	1.22	Low	Yes	18	Operation	1	Negative	No		Yes	358
21	M	77	60	No	1.06	Low	Yes	16	Operation	0	Negative	No		Yes	310
22	F	74	49	No	1.17	Low	Yes	16	Operation	1	Negative	No		Yes	283
23	M	58	80	No	1.20	Low	Yes	27	Operation	1	Negative	No		Yes	296
24	M	62	74	Yes	1.19	Low	Yes	14	Operation	1	Negative	Yes	241	Yes	282
25	F	69	50	No	1.09	Low	Yes	25	Operation	3	Positive	No		Yes	190

¹⁸F]FMISO, [¹⁸F]fluoromisonidazole; TBRpeak, Tumor blood ratio using SUVpeak (SUVpeak of the tumor divided by SUVpeak of the aorta); SUV, Standardized uptake value; HIF, Hypoxia-inducible factor, N/A Not applicable.