

## SUPPLEMENT

**Supplement Table S1** Overview of individual patient and MRI characteristics ( $n = 28$ ).

MRI = magnetic resonance imaging; f = female; m = male; gbm = glioblastoma; odg = oligodendroglioma; FLAIR = fluid-attenuated inversion recovery.

\* There was no subdural haematoma in MRI 1 for this patient.

patient	sex	age (years)	interval MRI 1–2 (days)	diagnosis	tumour location	$\Delta$ resection cavity (cm <sup>3</sup> )	$\Delta$ resection cavity (%)	$\Delta$ FLAIR (cm <sup>3</sup> )	$\Delta$ FLAIR (%)	$\Delta$ resection cavity + FLAIR (cm <sup>3</sup> )	$\Delta$ resection cavity + FLAIR (%)	$\Delta$ haematoma (mm)	$\Delta$ haematoma (%)
1	f	66	11	gbm	frontal	−4.1	−25.8%	−31.0	−42.9%	−20.0	−31.5%	+3.4	+60.7%
2	m	59	12	gbm	frontal	−3.9	−13.9%	−15.7	−18.5%	−32.0	−22.3%	−2.6	−23.9%
3	m	55	21	gbm	frontal	−20.2	−27.4%	−29.4	−17.4%	+5.7	+4.0%	−2.6	−100.0%
4	f	69	21	gbm	frontal	+8.5	+93.4%	−85.0	−59.4%	−94.9	−67.1%	−2.6	−30.2%
5	m	76	21	gbm	parietal	+17.6	+110.7%	+0.5	+0.2%	−30.1	−13.0%	−5.5	−50.5%
6	m	64	17	gbm	frontal	−5.1	−11.9%	−36.0	−23.8%	−106.5	−64.4%	−0.6	−5.1%
7	f	34	20	gbm	frontal	+10.3	+37.9%	−9.3	−10.8%	+18.7	+42.0%	+0.0	+0.0%
8	f	51	15	gbm	temporal	−9.2	−16.1%	−10.5	−7.9%	+4.3	+6.8%	−4.1	−33.6%
9	m	50	35	gbm	occipital	−0.6	−9.8%	−23.4	−51.4%	−21.2	−46.9%	−0.6	−19.4%
10	m	52	50	odg	frontal	+3.4	+16.5%	−3.9	−6.6%	−31.4	−42.7%	−2.2	−48.9%
11	m	67	16	gbm	parietal	+67.8	+174.3%	−3.8	−1.4%	+8.1	+3.1%	+4.1	*
12	m	62	20	gbm	temporal	+1.6	+7.2%	−68.8	−55.6%	−69.6	−58.7%	−2.8	−65.1%
13	m	78	11	gbm	parietal	+12.0	+65.8%	−9.9	−15.5%	−21.4	−29.3%	+5.7	+101.8%
14	m	78	17	gbm	parietal	−2.7	−11.6%	−145.7	−75.4%	−42.1	−50.6%	−1.5	−11.1%
15	m	26	18	gbm	frontal	−18.6	−59.4%	−105.4	−72.0%	−24.9	−29.7%	−9.7	−56.7%

16	m	63	19	gbm	frontal	+13.4	+21.7%	−166.2	−62.9%	−70.6	−34.9%	−0.7	−9.3%
17	m	48	22	gbm	frontal	−7.5	−21.8%	−15.4	−14.9%	−5.3	−7.7%	−2.9	−36.7%
18	m	65	18	gbm	parietal	+1.7	+27.4%	−16.9	−39.0%	+2.9	+15.3%	−6.0	−44.8%
19	m	46	11	gbm	temporal	+7.0	+22.5%	−9.0	−14.8%	−3.5	−6.3%	+1.1	+14.9%
20	m	60	22	gbm	temporal	+7.1	+27.3%	−34.5	−43.5%	−25.3	−29.5%	−6.9	−39.9%
21	f	77	17	gbm	temporal	+11.6	+55.0%	−54.8	−49.4%	−41.3	−35.8%	−1.3	−9.8%
22	f	67	22	gbm	parietal	−11.5	−56.1%	−92.5	−60.6%	−92.1	−58.8%	−1.9	−13.8%
23	f	41	20	odg	frontal	−4.5	−20.8%	−6.1	−14.2%	−22.2	−32.7%	+1.8	+31.6%
24	m	70	8	gbm	frontal	−10.2	−26.8%	−89.3	−55.8%	−78.2	−53.7%	+5.3	+76.8%
25	f	53	14	gbm	frontal	−7.4	−13.7%	−75.7	−52.1%	−55.7	−35.3%	+0.0	+0.0%
26	f	60	28	gbm	parietal	−2.0	−23.5%	−92.7	−86.3%	−86.6	−88.5%	−4.1	−41.8%
27	m	73	22	gbm	temporal	−15.8	−30.5%	−69.0	−55.7%	−117.8	−64.5%	+5.0	+100.0%
28	f	59	26	gbm	temporal	−3.1	−37.1%	−14.8	−56.7%	−13.8	−63.6%	−3.5	−30.2%