

**Supplemental Table 1** Summary sensor and PET data from all 10 cases

Case Number <sup>a</sup>	Infiltration visible on PET ( <i>n</i> = 4)				Infiltration not visible on PET ( <i>n</i> = 6)					
	2	3	4	5	1	6	7	8	9	10
Infiltration appearance on sensor TAC	Severe, persistent	Moderate, persistent	Severe, resolving	None detected	None detected	None detected	None detected	None detected	None detected	None detected
Infiltration appearance on PET	Severe	Small	Moderate	Small (spot)	None detected	None detected	None detected	None detected	None detected	None detected
<b><i>FDG infusion peak only (AUC, integrated counts)</i></b>										
Injection arm (x 10 <sup>6</sup> )	0.18	0.039	0.29	0.044	0.059	0.033	0.12	0.18	0.025	0.043
I/C ratio	52.30	8.04	30.17	11.26	18.90	29.20	14.57	27.11	19.18	7.50
<b><i>0-10 min post-FDG (AUC, integrated counts)</i></b>										
Injection arm (x 10 <sup>6</sup> )	1.32	0.38	1.50	0.19	0.13	0.16	0.32	0.33	0.14	0.18
I/C ratio	32.58	3.28	15.47	1.58	1.57	1.52	1.24	2.62	1.51	1.66
<b><i>0-20 min post-FDG (AUC, integrated counts)</i></b>										
Injection arm (x 10 <sup>6</sup> )	2.38	0.67	2.69	0.34	0.21	0.29	0.54	0.49	0.26	0.32
I/C ratio	25.80	2.80	12.61	1.39	1.11	1.37	1.04	1.87	1.37	1.47
<b><i>0-30 min post-FDG (AUC, integrated counts)</i></b>										
Injection arm (x 10 <sup>6</sup> )	3.62	0.92	3.63	0.47	0.28	0.44	0.75	0.64	0.38	0.47
I/C ratio	23.54	2.58	11.01	1.32	0.96	1.31	0.96	1.61	1.32	1.43
<b><i>0-40 min post-FDG (AUC, integrated counts)</i></b>										
Injection arm (x 10 <sup>6</sup> )	4.56	1.12	4.37	0.58	0.36	0.59	0.95	0.78	0.50	0.61
I/C ratio	20.71	2.35	9.76	1.28	0.88	1.28	0.92	1.47	1.30	1.40
<b><i>30-40 min post-FDG (AUC, integrated counts)</i></b>										
Injection arm (x 10 <sup>6</sup> )	0.94	0.20	0.74	0.12	0.073	0.15	0.20	0.14	0.12	0.14
I/C ratio	14.16	1.67	6.26	1.15	0.68	1.20	0.78	1.06	1.24	1.31
<b><i>FDG-PET (SUV<sub>max</sub>)</i></b>										
Injection site VOI	2550.78	15.99	41.54	6.18	1.50	1.03	0.97	1.66	1.27	1.12
I/C ratio	885.54	4.52	10.55	1.99	0.33	0.35	0.36	0.54	0.42	0.39
<b><i>FDG-PET (SUV<sub>peak</sub>)</i></b>										
Injection site VOI	1672.88	9.23	29.40	3.44	0.95	0.79	0.86	1.39	1.08	0.96
I/C ratio	674.16	3.30	9.45	1.43	0.30	0.31	0.37	0.53	0.41	0.39

*AUC*, area-under-curve; *TAC*, time activity curve; *I/C*, injection/control (contralateral arm for sensors; right liver lobe for PET); *VOI*, volume of interest; *SUV*, standardized uptake value. <sup>a</sup>Case numbers 1-5 correspond to Panels A-E (respectively) in Figs. 2 and 3