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## **Supplemental material**

Spot-scanning proton therapy for early breast cancer in free breathing  
versus deep inspiration breath-hold

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**Table S1.** Comparison of total CTV, number of treatment fields, total number of spots and delivery time for the proton plans in free breathing (FB) and deep inspiration breath-hold (DIBH). The p-values are from the paired, two-tailed Wilcoxon signed rank test.

Patient	CTV (cm <sup>3</sup> )		Number of fields		Number of spots		Delivery time (s)	
	FB	DIBH	FB	DIBH	FB	DIBH	FB	DIBH
<b>1</b>	395	455	2	2	9175	6516	274	202
<b>2</b>	502	542	2	2	10713	7043	288	210
<b>3</b>	1740	1723	3	3	27338	12831	465	275
<b>4</b>	473	486	2	2	10199	7648	322	225
<b>5</b>	392	405	2	2	10304	8126	324	259
<b>6</b>	742	685	2	2	16387	9696	392	233
<b>7</b>	415	437	2	2	10709	7576	319	232
<b>8</b>	662	680	2	2	12404	9151	339	256
<b>9</b>	2641	2267	3	2	35357	11760	570	250
<b>10</b>	440	458	2	2	9797	8325	330	261
<b>11</b>	252	291	2	2	7505	5631	270	202
<b>12</b>	497	573	2	2	10032	9111	299	237
<b>13</b>	1412	1466	3	2	25148	11343	419	234
<b>14</b>	538	668	2	2	10353	9303	301	236
<b>15</b>	492	481	2	2	9795	8375	325	221
<b>16</b>	295	326	2	2	6689	6133	313	232
<b>Median</b>	494	514	2	2	10329	8350	323	234
<b><i>p</i></b>	0.07		0.16		0.0004*		0.0004*	