

Optimal Gating Window for Respiratory-Gated Radiotherapy with Real-Time Position Management and Respiration Guiding System for Liver Cancer Treatment

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Supplementary Table Legends

Supplementary Table S1. Results of paired *t*-test between unguided and guided respiration signals with RPM and respiration guiding system ($n = 52$).

Supplementary Table S1.

Patient	Respiration	Mean±SD (s)	Difference between paired data		
			Number of respiration signals	Mean±SD (s)	<i>p</i> -value of paired <i>t</i> -test
P#1	Free	4.483±0.936	26	1.525±0.947	<0.001*
	Guided	2.958±0.161			
P#2	Free	3.865±0.715	29	0.606±1.095	0.006*
	Guided	3.259±0.836			
P#3	Free	4.674±0.404	24	1.709±0.414	<0.001*
	Guided	2.966±0.101			
P#4	Free	3.523±0.265	33	0.558±0.316	<0.001*
	Guided	2.964±0.159			
P#5	Free	6.732±2.770	17	3.759±2.751	<0.001*
	Guided	2.974±0.212			
P#6	Free	4.673±0.948	25	1.475±1.236	<0.001*
	Guided	3.198±0.958			
P#7	Free	5.018±0.989	23	2.057±1.025	<0.001*
	Guided	2.961±0.235			
P#8	Free	3.623±1.369	32	0.656±1.372	0.011*
	Guided	2.967±0.197			
P#9	Free	3.730±0.480	31	0.758±0.507	<0.001*
	Guided	2.972±0.170			
P#10	Free	3.429±0.743	34	0.463±0.770	0.001*
	Guided	2.966±0.257			

P#11	Free	5.574±1.258	20	2.447±1.474	<0.001*
	Guided	3.126±0.449			
P#12	Free	4.677±1.161	24	1.588±1.357	<0.001*
	Guided	3.089±0.655			
P#13	Free	5.043±0.756	23	2.073±0.737	<0.001*
	Guided	2.970±0.225			
P#14	Free	3.917±0.495	29	0.956±0.577	<0.001*
	Guided	2.961±0.237			
P#15	Free	3.359±0.380	34	0.382±0.403	<0.001*
	Guided	2.978±0.163			
P#16	Free	4.251±1.832	27	1.287±1.873	0.001*
	Guided	2.965±0.257			
P#17	Free	6.536±1.193	18	3.401±1.459	<0.001*
	Guided	3.135±0.740			
P#18	Free	3.925±0.669	30	3.401±1.459	<0.001*
	Guided	2.959±0.325			
P#19	Free	3.401±0.561	34	0.333±0.801	0.021*
	Guided	3.069±0.545			
P#20	Free	5.289±0.952	22	2.321±0.945	<0.001*
	Guided	2.968±0.213			
P#21	Free	3.264±0.310	36	0.297±0.376	<0.001*
	Guided	2.967±0.202			
P#22	Free	3.273±0.336	36	0.294±0.406	<0.001*
	Guided	2.978±0.208			
P#23	Free	4.144±0.643	27	1.155±0.808	<0.001*
	Guided	2.988±0.451			

P#24	Free	4.124±1.811	27	1.154±1.772	0.002*
	Guided	2.970±0.178			
P#25	Free	5.409±0.566	21	2.450±0.478	<0.001*
	Guided	2.959±0.232			
P#26	Free	5.431±0.962	21	2.452±1.045	<0.001*
	Guided	2.979±0.260			
P#27	Free	3.509±0.337	33	0.554±0.459	<0.001*
	Guided	2.955±0.462			
P#28	Free	5.092±1.133	21	2.119±1.216	<0.001*
	Guided	2.973±0.191			
P#29	Free	4.501±0.714	25	1.533±0.792	<0.001*
	Guided	2.967±0.164			
P#30	Free	2.826±0.934	39	-0.138±1.079	0.430
	Guided	2.964±0.404			
P#31	Free	3.929±0.261	29	0.725±0.606	<0.001*
	Guided	3.204±0.542			
P#32	Free	4.762±0.494	24	1.795±0.516	<0.001*
	Guided	2.967±0.183			
P#33	Free	5.474±2.004	21	2.501±2.013	<0.001*
	Guided	2.973±0.213			
P#34	Free	6.440±3.133	16	3.502±3.241	0.001*
	Guided	2.938±0.217			
P#35	Free	2.856±0.876	38	-0.189±1.063	0.281
	Guided	3.045±0.568			
P#36	Free	4.646±0.591	25	1.680±0.643	<0.001*
	Guided	2.966±0.306			

P#37	Free	2.983±0.316	39	0.271±0.360	<0.001*
	Guided	2.712±0.175			
P#38	Free	3.351±0.539	34	0.455±0.673	<0.001*
	Guided	2.896±0.286			
P#39	Free	2.746±0.375	39	-0.144±0.586	0.134
	Guided	2.890±0.407			
P#40	Free	3.188±0.420	36	0.083±0.644	0.446
	Guided	3.105±0.479			
P#41	Free	3.202±0.535	36	0.106±0.639	0.328
	Guided	3.097±0.380			
P#42	Free	3.601±0.319	32	0.533±0.598	<0.001*
	Guided	3.069±0.472			
P#43	Free	4.975±0.592	23	2.021±0.547	<0.001*
	Guided	2.954±0.276			
P#44	Free	4.719±2.634	24	1.578±2.744	0.010*
	Guided	3.141±0.447			
P#45	Free	3.259±0.213	35	0.295±0.241	<0.001*
	Guided	2.964±0.161			
P#46	Free	4.422	26	1.446±0.701	<0.001*
	Guided	2.976			
P#47	Free	3.490	33	0.529±0.905	0.002*
	Guided	2.960			
P#48	Free	6.317	18	3.339±3.476	0.001*
	Guided	2.979			
P#49	Free	4.642	25	1.544±0.789	<0.001*
	Guided	3.098			

P#50	Free	4.256	27	1.237±0.939	<0.001*
	Guided	3.019			
P#51	Free	4.963	23	1.986±2.225	<0.001*
	Guided	2.977			
P#52	Free	3.479	33	0.513±0.677	<0.001*
	Guided	2.967			