

Article title

Value of [^{18}F]AlF-NOTA-FAPI PET/CT in Guiding Radiotherapy Planning for Stage I–IIIC Lung Cancer: A Comparison with Contrast-enhanced CT and [^{18}F]FDG PET/CT

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Online Resource 3 Dose volume histogram parameters evaluated based on IMPT in different delineated targets

	CT	FDG	FAPI	<i>P</i> value		
				CT vs FDG	CT vs FAPI	FDG vs FAPI
D2	6583.27±4.59	6587.11±6.01	6589.25±5.03	0.481	0.150	0.050
D98	6059.96±9.34	6054.49±10.69	6064.47±9.58	0.743	0.456	0.773
HI	0.09±0.002	0.09±0.002	0.09±0.002	0.895	0.856	0.646
CI	0.62±0.01	0.60±0.01	0.60±0.12	0.038	0.025	0.683
GI	3.18±0.11	3.19±0.11	3.19±0.11	0.985	0.778	0.537
Dmax of Spinal Cord	3013.85±179.64	3216.54±190.25	2972.71±171.02	0.634	0.536	0.073
Heart						
Dmean	355.50±45.46	376.18±48.69	332.14±40.31	0.756	0.197	0.229
V5	13.77±1.54	14.63±1.67	13.06±1.36	0.693	0.315	0.425
V10	10.07±1.21	10.70±1.32	9.55±1.07	0.771	0.352	0.455
V20	6.35±0.86	6.73±0.95	5.87±0.76	0.806	0.163	0.195
V30	4.21±0.65	4.46±0.69	3.85±0.57	0.866	0.135	0.138
Involved lung						
Dmean	1414.61±84.69	1486.67±86.37	1390.42±87.28	0.521	0.327	0.470
V5	41.78±2.01	44.98±1.95	41.49±2.05	0.681	0.715	0.267
V10	35.81±1.89	38.77±1.91	35.64±1.97	0.698	0.806	0.204
V15	30.94±1.76	33.57±1.81	30.86±1.85	0.634	0.900	0.186
V20	26.80±1.65	28.87±1.71	26.67±1.71	0.798	0.788	0.227
V25	23.50±1.53	24.74±1.59	23.13±1.59	0.524	0.354	0.512
V30	20.75±1.42	21.31±1.51	20.15±1.47	0.105	0.093	0.809
V35	18.25±1.32	18.51±1.43	17.61±1.36	0.062	0.060	0.952
V40	15.98±1.22	16.09±1.33	15.41±1.26	0.054	0.069	0.886

V45	13.91±1.12	13.92±1.23	13.37±1.15	0.044	0.063	0.906
V50	11.91±1.00	11.84±1.11	11.42±1.03	0.037	0.064	0.895
Uninvolved lung						
Dmean	94.43±22.08	128.78±30.06	86.63±20.44	0.388	0.437	0.123
V5	4.66±0.93	6.42±1.36	4.48±0.95	0.219	0.693	0.103
V10	3.04±0.71	4.18±0.96	2.87±0.68	0.296	0.608	0.117
V15	2.08±0.56	2.88±0.74	1.92±0.52	0.410	0.511	0.122
V20	1.41±0.43	1.97±0.55	1.24±0.37	0.514	0.402	0.132
V25	0.95±0.32	1.35±0.41	0.82±0.27	0.536	0.411	0.165
V30	0.64±0.24	0.92±0.31	0.54±0.20	0.577	0.377	0.196
V35	0.47±0.19	0.66±0.25	0.37±0.15	0.647	0.261	0.200
V40	0.36±0.15	0.50±0.20	0.28±0.13	0.675	0.217	0.198
V45	0.28±0.13	0.39±0.16	0.22±0.10	0.693	0.199	0.202
V50	0.22±0.10	0.30±0.13	0.17±0.08	0.733	0.178	0.214
Lungs						
Dmean	715.98±46.24	769.11±50.96	701.53±47.53	0.954	0.297	0.189
V5	22.12±1.23	24.56±1.39	21.88±1.25	0.287	0.625	0.083
V10	18.44±1.10	20.43±1.23	18.26±1.13	0.359	0.661	0.083
V15	15.65±0.99	17.31±1.11	15.52±1.02	0.402	0.701	0.083
V20	13.35±0.90	14.64±0.99	13.21±0.92	0.566	0.597	0.112
V25	11.56±0.81	12.38±0.89	11.34±0.83	0.936	0.318	0.248
V30	10.10±0.74	10.55±0.82	9.80±0.76	0.382	0.103	0.420
V35	8.84±0.67	9.10±0.75	8.53±0.70	0.215	0.060	0.563
V40	7.72±0.62	7.88±0.69	7.45±0.64	0.162	0.069	0.737
V45	6.71±0.56	6.80±0.63	6.45±0.58	0.120	0.067	0.772

V50	5.73±0.50	5.77±0.56	5.51±0.52	0.087	0.069	0.835
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Note-IMPT, Intensity-modulated proton therapy; dose volume histogram; D2, the dose corresponding to 2% of the target area volume; D98, the dose corresponding to 98% of the target area volume; CI, target conformity index; HI, homogeneity index; GI, gradient index; Vx=the volume of normal organs within which the dose is greater than xGy; Dmax, maximum dose; Dmean, mean dose.