

Supplementary material for Gambacorta MA, et al. Clinical validation of atlas-based auto-segmentation of pelvic volumes and normal tissue in rectal tumors using auto-segmentation computed system. Acta Oncol 2013; 52:1676–1681.

Supplementary Table Ia. Library cases characteristics.

	Sex	Menopausal state	Age	BMI	Structures set
1a	F	Y	78 yrs	22.22	*CTV_T3_mid
1b	F	N	39 yrs	24.77	#CTV_T3_low
2a	M	/	73 yrs	24.61	¶CTV_T4
2b	M	/	52 yrs	25	M, †PS, ††IIN, ‡ON, §EIN, ¥B, †FH

*Clinical Target Volume for T3 rectal cancer in mid rectum, #Clinical Target Volume for T3 rectal cancer in low rectum, ¶Clinical Target Volume for T4 rectal cancer, |||Mesorectum, †Presacral Space, ††Internal Iliac Lymph nodes, ‡Obturator Lymph nodes, §External Iliac Lymph nodes, ¥Bladder, †Femural Head.

Supplementary Table Ib. Test cases characteristics.

No.	Stage	Rectal cancer site	Sex	Menopause	Age	Body Mass Index (BMI)	Delineated volumes
1	cT3N1	Mid	F	Y	58	29.41	*CTV, M, †PS, ††IIN, ‡ON, §EIN, ¥B, †FH
2	cT3N1	Mid	F	N	50	24.98	*CTV, M, †PS, ††IIN, ‡ON, ¥B, †FH
3	cT3N2	Mid	M	/	69	25.71	*CTV, M, †PS, ††IIN, ‡ON, ¥B, †FH
4	cT3N2	Mid	F	Y	67	22.81	*CTV, M, †PS, ††IIN, ‡ON, ¥B, †FH
5	cT3N2	Mid	M	/	56	24.9	*CTV, M, †PS, ††IIN, ‡ON, ¥B, †FH
6	cT3N2	Mid	M	/	76	23.53	*CTV, M, †PS, ††IIN, ‡ON, ¥B, †FH
7	cT4N1	Low	M	/	70	23.53	¶CTV, M, †PS, ††IIN, ‡ON, ¥B, †FH
8	cT4N2	Mid	F	Y	73	26.44	¶CTV, M, †PS, ††IIN, ‡ON, §EIN, ¥B, †FH
9	cT4N2	Low	F	Y	79	26.04	¶CTV, M, †PS, ††IIN, ‡ON, §EIN, ¥B, †FH
10	cT4N2	Low	F	Y	70	28.23	¶CTV, M, †PS, ††IIN, ‡ON, §EIN, ¥B, †FH

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