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SUPPLEMENTAL MATERIAL

- 3 Figure S1 Flow chart of patient inclusion with locally advanced cervical cancer and suspicious bulky
- 4 nodes ≥1.5 cm.
- 5 Abbreviations: cN1, presence of regional lymph node metastasis bases on clinical examination and
- 6 imaging; C(H)RT, radiotherapy with or without chemotherapy and/or hyperthermia. * Data were collected
- 7 on project basis for cervical cancer patients diagnosed between 2009 and 2017.
 - Table S1
 Logistic regression analysis for total patients experiencing surgery, radiotherapy or
- 10 chemotherapy related toxicities.

Variables	OR	95% CI	p-value	
Therapy group				
Debulking	1.00	Reference		
Boosting	0.37	0.16-0.83	0.017*	
Neither	0.89	0.30-2.70	0.84	
Age†	1.04	1.01-1.07	0.003*	
Primary treatment				
CRT	1.00	Reference		
(C)HRT	1.17	0.42-3.24	0.23	
RT only	0.06	0.01-0.59	0.015*	
Radiotherapy field				
Pelvic	1.00	Reference		
Pelvic + para-aortic	1.20	0.58-2.47	0.62	
Bulky node size†	1.03	0.99-1.07	0.18	
Constant	0.04	0.01-0.23	<0.001*	

- 12 Abbreviations: RT, radiotherapy; CRT, chemoradiation; (C)HRT, (chemotherapy with) hyperthermia and
- 13 radiotherapy; OR, odds ratio; CI, confidence interval. † Continues scale; * statistically significant.

Supplemental material

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	Debulking with/without boost				Bulky nodes ≥2 cm							
			(n=	=60)					(n	=92)		
	Overall survival		Relapse-free survival		Overall survival		Relapse-free survival					
Variables	HR	95% CI	p-value	HR	95% CI	p-value	HR	95% CI	p-value	HR	95% CI	p-value
Therapy group												
Debulking only	1.00	Reference	!	1.00	Reference		4.00 Defenses			1 00	Defenses	
Debulking with boost	2.47	1.22-5.00	0.012*	2.37	1.14-4.93	0.021*	1.00	Reference		1.00	Reference	!
Boosting							0.67	0.35-1.28	0.23	0.90	0.48-1.69	0.75
Neither							0.61	0.23-1.65	0.33	0.73	0.25-2.13	0.57
Age†	1.03	1.00-1.06	0.07	1.02	0.99-1.05	0.12	1.02	1.00-1.04	0.023*	1.02	1.00-1.04	0.08
Bulky node location												
Pelvic	1.00	Reference	!	1.00	Reference		1.00	Reference	!	1.00	Reference	!
Common iliac	0.80	0.24-2.69	0.72	0.57	0.13-2.42	0.45	1.08	0.33-3.54	0.90	0.37	0.05-2.71	0.33
Para-aortic	3.10	1.04-9.23	0.042*	2.16	0.64-7.29	0.22	1.70	0.69-4.18	0.25	1.92	0.74-4.99	0.18
Bulky nodes size†	1.01	0.98-1.04	0.49	1.02	0.99-1.05	0.29	1.01	0.98-1.03	0.57	1.01	0.98-1.03	0.59

Abbreviations: HR, hazard ratio; CI, confidence interval. † Continues scale; * statistically significant.

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 Table S3
 Patients and treatment characteristics categorized per treatment group for patients with

20 bulky nodes ≥2 cm.

Characteristics	Overall (n=92)	Boosting (n=35)	Debulking (n=48)	Neither (n=9)	P-value
Age (years)	53 (27-86)	50 (25-77)	54 (31-82)	52 (25-77)	0.07
Charlson comorbidity inc	lex				0.19
0	55 (60%)	20 (57%)	21 (67%)	16 (62%)	
1	14 (15%)	7 (20%)	5 (10%)	2 (8%)	
≥2	7 (8%)	4 (11%)	3 (6%)	3 (12%)	
Unknown	16 (17%	4 (11%)	8 (17%)	5 (19%)	
Squamous cell antigen† (ng/mL)	11.4 (0.3-224.3)	7.5 (0.5-224.3)	14.8 (1.0-176.0)	5.0 (0.3-79.5)	0.24
FIGO 2009 stage					0.21
IB2	17 (18%)	4 (11%)	13 (27%)	-	
II	48 (52%)	18 (51%)	22 (46%)	8 (89%)	
III	23 (25%)	11 (31%)	11 (23%)	1 (11%)	
IVA	4 (4%)	2 (6%)	2 (4%)	-	
Primary tumor size (cm)					0.42
≤4	16 (18%)	4 (11%)	11 (23%)	1 (13%)	
>4	75 (82%)	31 (89%)	37 (77%)	7 (88%)	
Histology					>0.99
Squamous	82 (89%)	31 (89%)	43 (90%)	8 (89%)	
Non-squamous	10 (11%)	4 (11%)	5 (10%)	1 (11%)	
Bulky node size (mm)	25 (20-86)	24 (20-86)	24 (20-83)	26 (20-60)	0.64
Bulky node location‡					0.64
Pelvic	81 (88%)	29 (83%)	44 (92%)	8 (89%)	
Common iliac	4 (4%)	2 (6%)	2 (4%)	-	
Para-aortic	7 (8%)	4 (11%)	2 (4%)	1 (11%)	
Diagnosis to primary treatment interval (days)	55 (11-125)	50 (11-71)	62 (28-107)	61 (34-125)	<0.001
Primary treatment					0.005*
CRT	75 (82%)	24 (69%)	45 (94%)	6 (67%)	
(C)HRT	10 (11%)	8 (23%)	1 (2%)	1 (11%)	
RT only	7 (8%)	3 (9%)	2 (4%)	2 (22%)	
Brachytherapy (yes)	85 (92%)	33 (94%)	46 (96%)	6 (67%)	0.023*
Nodal boost (yes)	57 (62%)	35 (100%)	22 (46%)	-	<0.001*
Radiotherapy field					0.09
Pelvic	48 (52%)	19 (54%)	22 (46%)	7 (78%)	
Pelvic + para-aortic	40 (43%)	16 (46%)	23 (48%)	1 (11%)	
Other/unknown	4 (4%)		3 (6%)	1 (11%)	
Recurrence	48 (52%)	19 (54%)	25 (52%)	4 (44%)	0.91
Recurrence location§					0.75
Central pelvic	6 (13%)	3 (16%)	3 (12%)	-	>0.99

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Lateral pelvic	10 (21%)	4 (21%)	6 (24%)	-	0.87
Para-aortic	17 (35%)	5 (26%)	11 (44%)	1 (25%)	0.48
Distant	37 (77%)	14 (74%)	20 (80%)	3 (75%)	0.88
Unknown	1 (2%)	1 (5%)	-	-	-
Vital status					0.83
Alive	43 (47%)	18 (51%)	21 (44%)	4 (44%)	
Deaths	49 (53%)	17 (49%)	27 (56%)	5 (56%)	

²² Abbreviations: FIGO, International Federation of Gynecology and Obstetrics; CRT, chemoradiation;

^{23 (}C)HRT, (chemotherapy with) hyperthermia and radiotherapy; RT, radiotherapy. † Pretreatment level for

squamous cell type only; ‡ most cranial lymph node region was decisive; § some patients had multiple

²⁵ recurrence locations; * statistically significant.