Supplementary Table 1. Characteristics of recurrent LACC cases

		Group 1 (n = 70)	(%)	Group 2 (n = 20)	(%)	P value
Age, year		60.4 ± 12.1		56.0 ± 10.4		0.141
Cigarette	No	58	82.9	15	75.0	0.310
	Yes	12	17.1	5	25.0	
MRI mass mean, mm		41.7 ± 18.4		50.1 ± 18.0		0.072
MRI mass size, mm	≤ 20	12	17.1	1	5.0	0.158
	> 20	58	82.9	19	95.0	
MRI mass size, mm	≤ 50	47	67.1	11	55.0	0.229
	> 50	23	32.9	9	5.0	
Histology type	Squamous	66	94.3	18	90.0	0.675
	Adeno	1	1.4	1	5.0	
	others	3	4.3	1	5.0	
Staging choice	Surgery	31	44.3	9	45.0	0.576
	Imaging	39	55.7	11	55.0	
Stage	II	24	34.3	4	20.0	0.034
	III	37	52.9	8	40.0	
	IV	9	12.9	8	40.0	
Pelvic lymph node, number		5 (0-42)		3 (0-27)		0.475
Para-aortic lymph node, number		9 (2-24)		9 (3-18)		0.642

Continuous variables were compared using Student's t-test or Mann–Whitney U test, depending on distribution. Categorical variables were analyzed using the Chi-Square test or Fisher's Exact test, where appropriate. A p-value < 0.05 was considered statistically significant

Supplementary Table 2. Characteristics of recurrent LACC cases

Parameters						
Radiotherapy modality	Pelvic	61	87.1	19	95.0	0.297
	Pelvic and Para-aortic	9	12.9	1	5.0	
Treatment protocol	Only radiotherapy	2	2.9	2	10.0	0.213
	Concomitan CRT plus brachitherapy	68	97.1	18	90.0	
Response to therapy	Progression	0	0	2	10.0	0.001
	<%30	0	0	2	10.0	
	%30-60 regression	3	4.3	5	25.0	
	%60-80 regression	1	1.4	0	0	
	Tumor-free complete response	66	94.0	11	55.0	
Recurrence duration, month	Local	-		10 (4-30)		
	Distant	-		15 (7-37)		
	Local + distant	-		12 (6-20)		
DFS, month		110.5 ± 7.3 (96.3-125.0)		15.1 ± 2.1 (11.2-26.6)		0.001
OS, month		111.6 ± 7.0 (97.8-125.5)		27.5 ± 4.4 (19.0-36.1)		0.001

Categorical variables were analyzed using Chi-Square test or Fisher's Exact test where appropriate. Continuous variables (DFS and OS) were compared using Student's t-test or Mann–Whitney U test according to distribution characteristics. A p-value < 0.05 was considered statistically significant

Supplementary Table 3. Characteristics of recurrence cases

		(n = 20)	(%)
Localization	Local	13	65
	Distant	3	15
	Local + Distant	4	20
Metastasis	Lung	3	42.9
	Hepatic	1	14.3
	Bone	2	28.6
	Multiple	1	14.3
Treatment	CT	7	35.0
	CT+ palliative RT	3	15.0
	Surgery And CT	5	25.0
	Palliative RT	1	5.0
	Support	4	20.0

Supplementary Table 3 presents descriptive characteristics of recurrence cases only; therefore, no comparative statistical analysis was performed for these variables