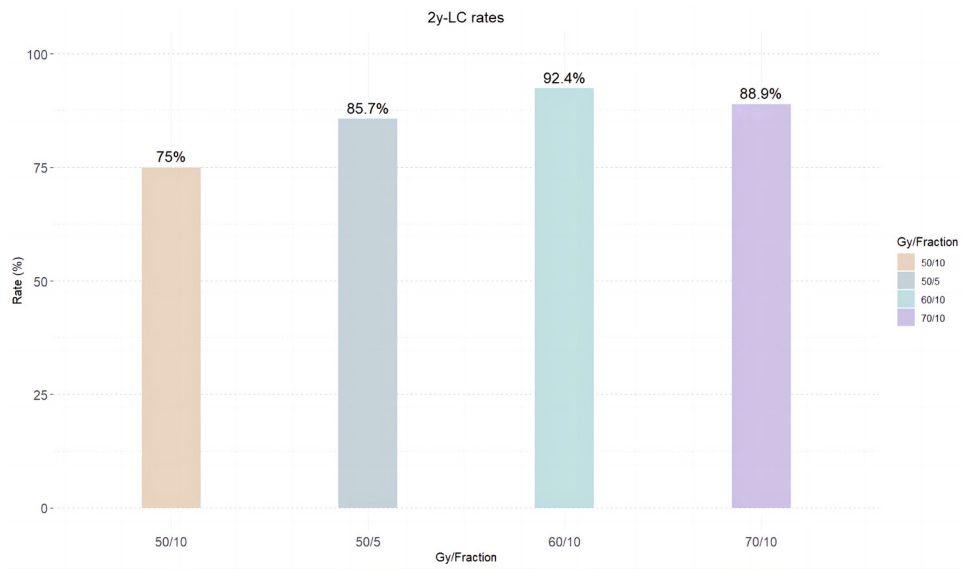


**Figure S1** Flowchart about this retrospective study. PS, performance status; CT, computed tomography; PET, positron emission tomography; f, fractions.

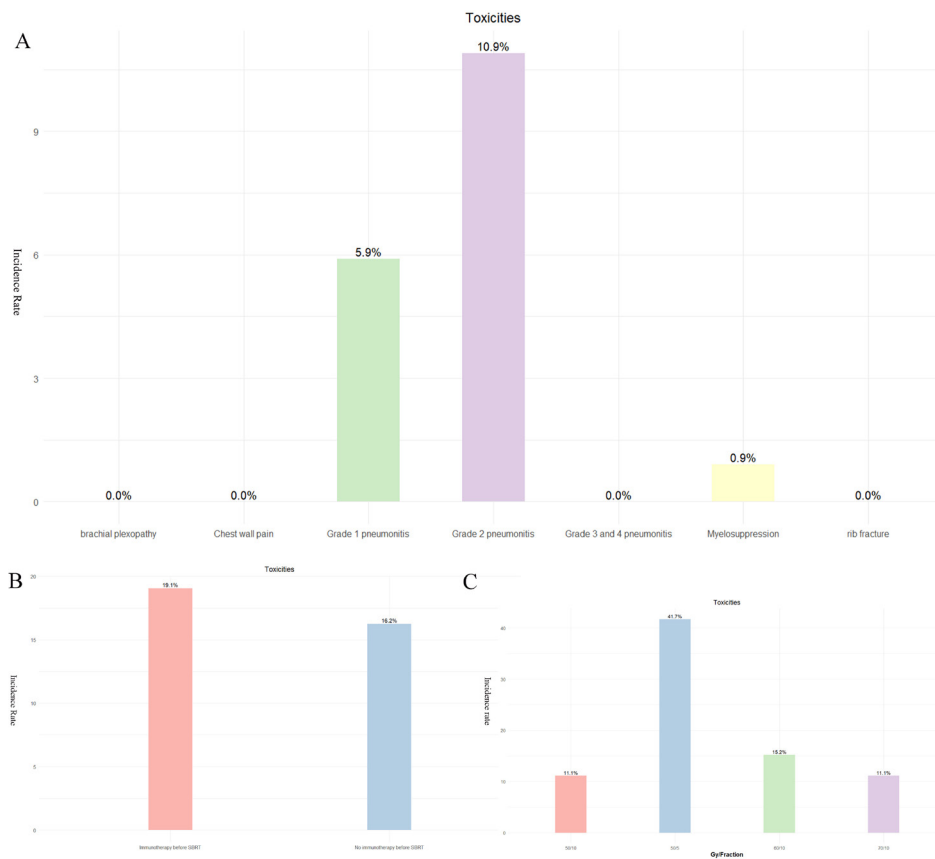
**Table S1** Dose constraints for organs at risk in 5-fraction and 10-fraction SBRT regimens

Organ at risk	Dose constraints	
	5-fraction regimen	10-fraction regimen
Brachial plexus	Optimal: 30.5 Gy, mandatory: 32 Gy	Optimal: 35 Gy, mandatory: 39 Gy
Esophagus	Optimal: 35 Gy	Optimal: 40 Gy
Heart	Optimal: 53 Gy, mandatory: 60 Gy	Optimal: 60 Gy, mandatory: 65 Gy
Lungs (V20)	10%	10%
Lungs (mean dose)	8 Gy	8 Gy
Skin	Optimal: 39.5 Gy	Optimal: 48 Gy
Trachea	Optimal: 35 Gy	Optimal: 38 Gy

SBRT, stereotactic body radiotherapy.



**Figure S2** Effect of different dose-splitting modes on the LC rate. LC, local control.



**Figure S3** Bar graph illustrating the toxicity analysis. (A) Distribution of toxicities among all patients. (B) Subgroup analysis of the effect of prior immunotherapy on toxicities in all patients. (C) Toxicities associated with different dose-escalation modes.