Table S1. Results of multicollinearity diagnostic between radio-score and clinical feature

Variables	Tolerance	VIF
Radio-score	0.270	3.709
Age	0.924	1.082
Sex	0.440	2.274
Smoking status	0.411	2.433
ECOG	0.879	1.138
T stage [a]	0.835	1.197
N stage [a]	0.471	2.124
M stage [a]	0.572	1.749
Brain metastases [b]	0.913	1.095
Liver metastases	0.788	1.229
LIPI	0.559	1.789
Drug	0.861	1.162
irAE	0.938	1.066

Abbreviations: VIF, variance inflation factor; ECOG, Eastern Cooperative Oncology Group; CNS, central nervous system; LIPI, lung immune prognostic index; CR, complete response; PR, partial response; SD, stable disease; PD, progressive disease.

[a] Disease stage at diagnosis classified according to American Joint Committee on Cancer, 8th edition, Tumor-Node-Metastasis (TNM) staging system.

[b] Best objective response was evaluated according to Response Evaluation Criteria in Solid Tumors (RECIST), version 1.1.