Table S1 Agreement of CT features between the two readers

CT features	Value	Kendall coefficient of concordance
Location	0.98	NA
Contour	0.89	0.93
Lobulation	0.91	0.96
Spiculation	0.90	0.95
Texture	0.89	0.93
Calcification	0.99	NA
Air bronchogram	0.94	NA
Bubble-like lucency	0.92	0.96
Cavity	0.96	NA
Pleural attachment	0.99	NA
Pleural retraction	0.97	NA
Bronchovascular bundle thickening	0.89	0.93
Obstructive change	0.96	NA
Peripheral emphysema	0.91	0.94
Peripheral fibrosis	0.92	0.95

CT, computed tomography; NA, not applicable.

Table S2 Association between CT semantic features with ADC invasiveness in primary cohort

Variables	MIA group (n=151)	Invasive ADC group (n=286)	P value
Location			
Central	39	78	0.746
Peripheral	112	208	
Calcification			
Absence	151	281	0.169
Presence	0	5	
Spiculation			
Absence	140	249	0.072
Presence	11	37	
Obstructive change			
Absence	151	282	0.303
Presence	0	4	
Bubble-like lucency			
Absence	143	259	0.129
Presence	8	27	
Cavity			
Absence	142	271	0.755
Presence	9	15	
Pleural attachment			
Absence	96	183	0.932
Presence	55	103	
Peripheral emphysema			
Absence	141	260	0.383
Slight or moderate	8	23	
Severe	2	3	
Peripheral fibrosis			
Absence	150	283	0.685
Slight or moderate	1	2	
Severe	0	1	

CT, computed tomography; ADC, adenocarcinoma; MIA, microinvasive adenocarcinoma.