

Table E1. Radiologic Features

Feature Category and Name	Scoring Levels
Continuous features	
Longest axial diameter	Millimeters
Longest perpendicular diameter	Millimeters
Binary features	
Fissure attachment	0: Absence; 1: presence
Pleural attachment	0: Absence; 1: presence
Bubblelike lucency/cavitation	0: Absence; 1: presence
Air bronchogram	0: Absence; 1: presence
Calcification	0: Absence; 1: presence
Attachment to vessel	0: Absence; 1: presence
Pleural retraction	0: Absence; 1: presence
Lobulation	0: Absence; 1: presence
Spiculation	0: Absence; 1: presence
Concavity	0: Absence; 1: presence
Ordinal scale features	
Location	1: RUL; 2: RML; 3: RLL; 4: LUL; 5: LLL
Attenuation pattern	1: GGO; 2: part-solid; 3: solid
Perinodule fibrosis	1: No/slight; 2: moderate; 3: severe
Perinodule emphysema	0: Normal; 1: < 25% affected; 2: < 50% affected; 3: < 75% affected; 4: ≥ 75% affected
Total emphysema	Range from 0 to 24
Shape	1: Round/oval; 2: irregular
Border definition	1: Well-defined 2: poorly defined

Note.—GGO = ground-glass opacity, LLL = left lower lung, LUL = left upper lung, RLL = right lower lung, RML, right middle lung, RUL = right upperlung.

Table E2. Interobserver Agreement

Feature	Range		Observed Agreement	Random Agreement	κ Value	κ Error	95% CI	
	Low	High					Low er	Upper
F1: location	1	5	1	0.240	1	0	1	1
F2: distribution	0	1	1	1	NC	NC	NC	NC
F3: fissure attachment	0	1	1	0.820	1	0	1	1
F4: pleural attachment	0	1	1	0.905	1	0	1	1
F5: long axis (cm)	0	0	0	0	0	0	0	0
F6: short axis (cm)	0	0	0	0	0	0	0	0
F7: size	1	5	1	0.861	1	0	1	1
F8: contour	1	4	0.8	0.311	0.709	0.093	0.529	0.889
F9: lobulation	1	4	0.8	0.593	0.507	0.156	0.203	0.813
F10: concavity	1	3	0.825	0.520	0.635	0.125	0.390	0.881
F11: border definition	1	3	0.825	0.397	0.709	0.099	0.514	0.905

F12: spiculation	1	3	0.925	0.750	0.699	0.167	0.372	1.027
F13: texture	1	3	0.975	0.548	0.944	0.054	0.837	1.052
F14: air bronchogram	0	1	1	0.861	1	0	1	1
F15: cavitation	0	1	1	0.745	1	0	1	1
F16: calcification	0	1	1	1	NC	NC	NC	NC
F17: vascular convergence	0	1	0.95	0.903	0.480	0.358	-0.221	1.182
F18: thickened adjacent bronchovascular bundle	0	1	1	0.951	1	0	1	1
F19: pleural retraction	0	1	1	0.861	1	0	1	1
F20: perinodule emphysema	1	3	0.8	0.648	0.430	0.180	0.078	0.784
F21: perinodule fibrosis	1	3	0.875	0.441	0.776	0.094	0.592	0.959
F22: nodules in primary tumor lobe	0	1	1	0.711	1	0	1	1
F23: nodules in nontumor lobes	0	1	0.875	0.500	0.75	0.105	0.545	0.955
F24: lymphadenopathy	0	1	0.95	0.861	0.639	0.248	0.153	1.126

Note.—NC = not calculable.

Table E3. Interobserver Agreement (Study 2)

Feature	Observed Agreement (%)
Longest axial diameter	30.0
Longest perpendicular diameter	26.7
Fissure attachment	80.0
Pleural attachment	70.0
Bubblelike lucency	93.3
Air brochogram	90.0
Pleural retraction	63.3
Lobulation	80.0
Spiculation	76.7
Concavity	70.0
Attenuation pattern	43.3
Perinodule fibrosis	43.3
Concavity	70.0
Shape	73.3
Border definition	66.7
Nodule location	70.0
Attachment to vessel	60.0
Perinodule emphysema	50.0