

Supplementary

Table S1 Imaging parameters of CT scans

Variables	Shanghai Chest Hospital				Shanghai Huashan Hospital			
	Philips Brilliance 64	GE Discovery CT750 HD	Philips Ingenuity CT	Philips iCT 256	Siemens Sensation 64	GE Discovery CT	UIH uCT 760	Philips iCT 256
Tube voltage (kVp)	120	120	120	120	120	120	120	120
Tube current (mA)	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
Slice Thickness	1	0.625/1.25	1	1	1.5	1.25	1.5	1.5
Matrix	1024×1024	512×512	1024×1024	1024×1024	512×512	512×512	512×512	512×512
Convolution Kernel	Very sharp	Very sharp	Very sharp	Very sharp	Very sharp	Very sharp	Very sharp	Very sharp

Table S2 Number of cases with radiological features in the training and independent test sets

Feature	Training set		Test set	
	Cryptococcus (n=31)	Adenocarcinoma (n=77)	Cryptococcus (n=53)	Adenocarcinoma (n=54)
Location				
Upper lobe	11	42	19	26
Middle lobe	2	7	3	3
Lower lobe	18	28	31	25
Number				
Single	19	73	43	29
Multiple	12	4	10	25
Shape				
Irregular	13	35	20	33
Regular	18	42	33	21
Spicular sign	9	43	18	24
Lobular sign	9	46	19	40
Air bronchus sign	6	22	6	24
Pseudocavitation	5	16	1	6
Calcification	0	1	0	1
Halo sign	8	12	13	10
Satellite lesions	7	4	6	1
Vascular convergence sign	2	17	5	20
Pleural change				
Indentation	15	45	18	32
Attachment	5	12	2	20