

<i>Scan parameter</i>	<i>GE Revolution</i>	<i>Sensation</i>	<i>SOMATOM Force</i>	<i>SOMATOM</i>	<i>SOMATOM</i>	<i>SOMATOM</i>
		<i>Cardiac 64</i>		<i>Definition Flash</i>	<i>Perspective</i>	<i>Definition AS+</i>
<i>Scan type</i>	Helical	Helical	Helical	Helical	Helical	Helical
<i>Direction</i>	Craniocaudal	Craniocaudal	Craniocaudal	Craniocaudal	Craniocaudal	Craniocaudal
<i>Inspiration/Expiration</i>	Inspiration	Inspiration	Inspiration	Inspiration	Inspiration	Inspiration
<i>Detector row</i>	256	64	96	96	128	128
<i>Kernel reconstruction</i>	HD Lung	B70f	Bl64d\3	l70f\3	B70s	Br51f\2
<i>Tube current</i>	Modulated	Modulated	Modulated	Modulated	Modulated	Modulated
<i>Tube voltage</i>	100-255 kv	120 kv	90 – 110 kv	100 kv	110 – 130 kv	100 kv
<i>Pitch</i>	0.992	1.399	0.599	1.200	1.000	1.000
<i>Gantry tilt</i>	0	0	0	0	0	0
<i>Collimation</i>	80 mm	60 mm	60 mm	60 mm	60 mm	60 mm
<i>Matrix</i>	512 x 512	512 x 512	512 x 512	512 x 512	512 x 512	512 x 512

Supplementary Table 1. Scan parameters from each included CT scanner.

	<i>CM application</i>				<i>ILD pattern</i>			
<i>Parameter</i>	F	df	p-value	partial η^2	F	df	p-value	partial η^2
<i>Lung volume</i>	2.051	1, 49	0.158	0.047	0.047	1, 49	0.128	0.047
<i>Functional parenchyma</i>	0.388	1, 49	0.536	0.008	0.001	1, 49	0.996	0.001
<i>Emphysema</i>	0.016	1, 49	0.898	0.001	0.022	1, 49	0.882	0.001
<i>GGO</i>	0.185	1, 49	0.669	0.004	0.508	1, 49	0.479	0.010
<i>Consolidation</i>	0.055	1, 49	0.816	0.001	0.099	1, 49	0,755	0.002
<i>Affected parenchyma</i>	0.224	1, 49	0.638	0.005	0.590	1, 49	0.446	0.012

Supplementary Table 2. Results of the repeated-measures ANOVA for the whole lung, assessing the interactions of CM application and ILD pattern on quantitative lung parameters. CM = Contrast Media, ILD = Interstitial Lung Disease, GGO = Ground-Glass Opacity

<i>CM application</i>					<i>ILD pattern</i>			
<i>Parameter</i>	F	df	p-value	partial η^2	F	df	p-value	partial η^2
<i>Lung volume</i>	2.146	1, 49	0.149	0.042	0.035	1, 49	0.200	0.033
<i>Functional parenchyma</i>	1.256	1, 49	0.268	0.025	0.005	1, 49	0.944	0.001
<i>Emphysema</i>	0.106	1, 49	0.746	0.002	0.009	1, 49	0.746	0.001
<i>GGO</i>	0.278	1, 49	0.601	0.006	0.207	1, 49	0.651	0.004
<i>Consolidation</i>	0.197	1, 49	0.659	0.004	0.004	1, 49	0.949	0.001
<i>Affected parenchyma</i>	0.389	1, 49	0.536	0.008	0.221	1, 49	0.641	0.004

Supplementary Table 3. Results of the repeated-measures ANOVA for the right lung, assessing the interactions of CM application and ILD pattern on quantitative lung parameters. CM = Contrast Media, ILD = Interstitial Lung Disease, GGO = Ground-Glass Opacity

<i>CM application</i>					<i>ILD pattern</i>			
<i>Parameter</i>	F	df	p-value	partial η^2	F	df	p-value	partial η^2
<i>Lung volume</i>	1.076	1, 49	0.305	0.021	2.146	1, 49	0.149	0.042
<i>Functional parenchyma</i>	0.327	1, 49	0.570	0.007	0.174	0.678	0.004	0.009
<i>Emphysema</i>	1.563	1, 49	0.217	0.031	1.025	1, 49	0.316	0.031
<i>GGO</i>	0.087	1, 49	0.770	0.002	0.964	1, 49	0.331	0.019
<i>Consolidation</i>	0.001	1, 49	0.999	0.000	0.266	1, 49	0.608	0.005
<i>Affected parenchyma</i>	0.222	1, 49	0.640	0.005	0.821	1, 49	0.369	0.016

Supplementary Table 4. Results of the repeated-measures ANOVA for the left lung, assessing the interactions of CM application and ILD pattern on quantitative lung parameters. CM = Contrast Media, ILD = Interstitial Lung Disease, GGO = Ground-Glass Opacity