Online Supplement 5: Distal airspace diameter measured by different methods

STUDY	Method	Site of measureme nt	Number of subjects	Average diameter, non- emphysematous lung	Average diameter, emphysematous lung	Comment
Tanabe 2017	Micro-CT	Lm	Controls N = 7 CLE N = 6 PLE N = 7	$336 \pm 37 \ \mu m$	CLE: 766 ± 259 μm PLE: 698 ± 240 μm	
Woods 2006	³ He MRI	Lm	Controls N = 6 COPD N = 6	200 μm	410 µm	No SD given.
Kohlhaufl 1999	ADAM	Distal airspaces	Non-emphysematous N = 30 Emphysematous N = 20	$330 \pm 100 \mu m$	$840 \pm 530 \mu m$	
The present study	AiDA	Distal airspaces	Non-emphysematous N = 563 Emphysematous N = 47	$582 \pm 72 \ \mu m$	652 ± 96 μm	Diameter = $2 \times \text{radius}$.

CT = computed tomography, CLE = centrilobular emphysema, PLE = panlobular emphysema, ³He MRI = hyperpolarised helium magnetic resonance imaging, Lm = mean linear intercept, a measure of alveolar/acinar structures, ADAM = aerosol derived airway morphometry, AiDA = airspace dimension assessment with nanoparticles