Supplemental files

Association of Kco with emphysema progression and lung function decline in heavy smokers

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Results with using %950 HU as emphysema severity measurement

Baseline median (inter quartile) %950 was 8.7% (4.5-15). Koo at baseline significantly (p=0.004) correlated with %950 at baseline, r = -0.13.

Follow-up median (inter quartile) %950 was 14.23% (7.4-19.7). The statistical model explained 73% of the variance in %950 after follow-up. The significant covariates and their estimated effects are listed in Tables S1 and S2.

Table S1. Results from the multiple linear regression analyses showing the estimated effects of baseline Kco and other significant covariates on %950 after follow-up.

Estimated effects of changes in parameters on %950 in % after follow-up				
Covariate	Increment or	Change in	CI95%	p-value
	comparison	%950 (%)		
Kco baseline	0.25 decrease	+0.65 %	0.2 - 1.1	0.01
Baseline FEV ₁ /FVC [%]	1% decrease	+0.14 %	0.08 - 0.19	< 0.001
Smoking status	Current versus ex-smoker	-1.2 %	-2.00.30	0.012
Baseline %950	1% increase	+0.77 %	-0.610.72	< 0.001