



Effect of Emphysema on CT Scan Measures of Airway Dimensions in Smokers

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e-Table 1 Multivariate regression analysis for wall area percent (WA%) in 6 bronchial paths in subjects with COPD and without asthma history*

Bronchial path	Lobar Emphysema			
	Segmental level		Subsegmental level	
	Regression Coefficient	P	Regression Coefficient	P
RB1	-0.01	0.27	0.04	<0.0001
RB4	-0.03	0.04	0.01	0.12
RB10	-0.00	0.98	0.02	0.03
LB1	0.02	0.08	0.01	0.57
LB4	0.01	0.52	0.04	<.0001
LB10	0.02	0.28	0.04	0.0004

*In these analyses the sample size was 756 out of 781 subjects with COPD and asthma history. Twenty five subjects were excluded because their measurements of lobar lung volume were not available
Abbreviations: RB1 Right upper lobe apical bronchus; RB4 Right middle lobe lateral bronchus; RB10 Right lower lobe posterior basal bronchus; LB1 Left upper lobe apicoposterior bronchus; LB4 Superior lingular bronchus; LB10 Left lower lobe posterior basal bronchus.



e-Table 2 Multivariate regression analysis for *subsegmental* total bronchial area (TBA) in 6 bronchial paths in subjects with COPD and without asthma history*

Bronchial path	Regression Coefficient	P
RB1	-0.13	<.0001
RB4	-0.06	0.005
RB10	-0.04	0.11
LB1	-0.09	0.0003
LB4	-0.09	0.0003
LB10	-0.09	0.01

*In these analyses the sample size was 756 out of 781 subjects with COPD and asthma history. Twenty five subjects were excluded because their measurements of lobar lung volume were not available.

See **e-Table 1** for expansion of the abbreviations