

Supplementary Table 1. ANCOVA Tests of QCT-Based Functional Variables with Race (Korean vs. White), Sex, Height, and Age

Variables	Region	Total Subjects (n = 293)			
		Race	Sex	Height	Age
$V_{airr\ Insp}$	Total	‡	‡	‡	‡
$V_{airr\ Exp}$	Total	‡	0.586	‡	†
$V_{tissue\ Insp}$	Total	‡	0.087	‡	0.062
$V_{tissue\ Exp}$	Total	‡	0.188	‡	†
ΔV_{air}	Total	‡	‡	‡	0.413
$L / R _v$	-	‡	0.338	0.203	‡
$U / [M + L] _v$	-	†	†	*	†
Emph %	Total	‡	‡	0.631	0.684
Emph %	LUL	‡	‡	0.824	0.931
Emph %	LLL	*	*	0.552	0.895
Emph %	RUL	‡	‡	0.946	0.677
Emph %	RML	‡	‡	0.702	0.253
Emph %	RLL	0.068	†	0.287	0.308
fSAD %	Total	*	*	0.835	†
fSAD %	LUL	*	*	0.706	‡
fSAD %	LLL	0.056	0.718	0.500	0.580
fSAD %	RUL	*	*	0.926	‡
fSAD %	RML	*	*	0.252	‡
fSAD %	RLL	0.086	0.216	0.193	0.658

Values are presented as *p* value. **p* < 0.05, †*p* < 0.01, ‡*p* < 0.001. ANCOVA = analysis of covariance, Emph% = percent emphysema-like lung, fSAD% = percent functional small airway disease-like lung, FVC = forced vital capacity, LLL = left lower lobe, $L / R|_v$ = ratio of air volume changes in left to those in right lobes, LUL = left upper lobe, QCT = quantitative computed tomography, RLL = right lower lobe, RML = right middle lobe, RUL = right upper lobe, $U / [M + L]|_v$ = ratio of air volume changes at upper lobes to those at middle and lower lobes, $V_{airr\ Exp}$ = air volume at expiration, $V_{airr\ Insp}$ = air volume at inspiration, $V_{tissue\ Exp}$ = tissue volume at expiration, $V_{tissue\ Insp}$ = tissue volume at inspiration, ΔV_{air} = total air volume change in lung