S1 Table: Correlations with optical study results, sleep study results and demographics of all subjects measured.

$r_{Spearman}$ (p)	$rCBF_{30° to supine}$ (%)	Mean SpO_2 (%)	AHI (n/hour)	ODI4 (%)	CT90 (%)
Mean SpO_2 (%)	-0.34 (0.002)*				
AHI (n/hour)	0.30 (0.007)*	-0.58 (<0.001)*			
ODI4 (%)	0.22 (0.048)*	-0.57 (<0.001)*	0.92 (<0.001)*		
CT90 (%)	0.31 (0.005)*	-0.76 (<0.001)*	0.85 (<0.001)*	0.81 (<0.001)*	
BMI (kg/cm^2)	0.31 (0.005)*	-0.53 (<0.001)*	0.57 (<0.001)*	0.56 (<0.001)*	0.59 (<0.001)*

Spearman correlations shown.* indicates a statistically significant correlation.

rCBF, relative cerebral blood flow; SpO_2, arterial oxygen saturation by pulse oximetry; AHI, apnea-hypopnea index; ODI4, 4% oxygen desaturation index; CT90, % of total sleep time with SpO_2 lower than 90%; BMI, body mass index.