

Supplemental Digital Content 2

Table. Influence of Attenuation Correction

	Percent PBF difference ROI _{lung side}					
	Injury left (1)	Injury left (2)	Injury right (3)	Injury right (4)	Injury right (5)	Injury right (6)
Reconstructed from transmission before emission = (A)	16.4	30.6	11.4	7.9	22.2	28.2
Reconstructed from transmission after emission = (B)	15.2	28.2	13.4	9.4	24.2	31.5
Absolute difference (A) - (B)	1.2	2.4	2.0	1.5	2.0	3.3

The increased PBF of the injured lung lobe is expressed as difference of total activity between the injured and control lobe in % in the half of the treated animals (n = 6) and represents the percent increase. The activity distribution was calculated from images using the transmission scans before and after the PET scan. Please note, that the minor absolute differences between the PBF reconstructed from the two transmission scans, do not undermine the observation of significant differences in PBF between the two lobes.

PBF = pulmonary blood flow; PET = positron emission tomography; ROI = region of interest; ROI_{lung side} = ROI of the entire lunge side (left, right).