

Structural Changes Underlying Compensatory Increase of Diffusing Capacity after Left Pneumonectomy in Adult Dogs

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Correction

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Hsia, C. C. W., F. Fryder-Doffey, V. Stalder-Navarro, R. L. Johnson, Jr., R. C. Reynolds, and E. R. Weibel.
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An error in calculating the arithmetic mean thickness of the septum, reported in Table I, has been discovered by the authors. The correct values appear in the reprinted Table I below.

Table I. Comparison of Morphometric Data in Right Lung of Dogs after Left Pneumonectomy with That in Both Lungs of Normal Dogs

	Dogs after left pneumonectomy	Normal dogs	<i>P</i> values Unpaired <i>t</i> test
Number	3	3	
Body mass (kg)	23.8±0.6	28.2±0.7	0.004*
Total lung volume (ml · kg ⁻¹)	53.4±4.4	56.3±1.9	0.29
Right lung volume (ml · kg ⁻¹)	53.4±4.4	32.7±1.1	0.005*
Morphometric hematocrit (%)	43.5±3.3	55.0±1.5	0.02*
Volume density			
Parenchyma in lung Vv(fp,L)	0.850±0.001	0.819±0.002	0.0001*
Septa in parenchyma Vv(s,fp)	0.106±0.005	0.157±0.008	0.0009*
Capillaries in lung Vv(c,L)	0.058±0.005	0.074±0.002	0.02*
Tissue in lung Vv(t,L)	0.032±0.0003	0.054±0.002	0.0001*
Surface density			
Alveoli in lung Sv(a,L) cm ⁻¹	343.8±2.3	488.5±10.4	0.0001*
Capillaries in lung Sv(c,L) cm ⁻¹	292.7±22.7	385.0±6.6	0.009*
Arithmetic mean thickness (10 ⁻⁴ cm)			
Tissue barrier	1.02±0.04	1.24±0.02	0.005*
Septum	5.22±0.26	5.26±0.10	0.45
Harmonic mean thickness (10 ⁻⁴ cm)			
Tissue barrier (τ_{ht})	0.341±0.014	0.509±0.019	0.001*
Plasma barrier (τ_{hp})	0.155±0.004	0.117±0.001	0.005*
Volumes (ml · kg ⁻¹)			
Capillaries Total	3.08±0.29	4.18±0.18	0.02*
Right lung	3.08±0.29	2.43±0.10	0.05
Septum Total	4.791±0.425	7.238±0.351	0.005*
Right lung	4.791±0.425	4.198±0.203	0.14
Tissue Total	1.711±0.159	3.055±0.179	0.003*
Right lung	1.711±0.159	1.772±0.104	0.38
Surface area (m ² · kg ⁻¹)			
Alveoli Total	1.836±0.142	2.756±0.145	0.005*
Right lung	1.836±0.142	1.598±0.084	0.11
Capillaries Total	1.564±0.174	2.167±0.069	0.02*
Right lung	1.564±0.174	1.257±0.040	0.08

Results are mean±SEM. * Significant at 0.05 level.