

Supplementary material

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Table S1. Wall Thickness and Wall Area Percentage in patients with Severe Asthma, non-Severe Asthma and Healthy Volunteers .

Parameters	SA		Non-SA		HV		U Mann-Whitney	U Mann-Whitney	U Mann-Whitney	Kruskal-Wallis
	n	M (25Q÷75Q)	n	M (25Q÷75Q)	n	M (25Q÷75Q)	SA vs HV	Non-SA vs HV	SA vs non-SA	SA vs non-SA vs HV
WT3, mm	22	2.2 (1.5 ÷ 2.9)	48	2.4 (1.5 ÷ 3.5)	29	2.1 (1.7 ÷ 2.4)	0.25	0.006	0.19	0.04
WT4, mm	22	2.1 (1.4 ÷ 2.6)	48	2.3 (1.6 ÷ 2.8)	29	1.8 (1.6 ÷ 2.1)	0.006	<0.001	0.10	<0.001
WT5, mm	22	1.9 (1.5 ÷ 2.5)	48	1.8 (1.4 ÷ 2.8)	29	1.6 (1.4 ÷ 1.9)	0.004	0.002	0.93	0.005
WT6, mm	22	1.6 (1.3 ÷ 2.5)	48	1.6 (1.3 ÷ 2.2)	29	1.5 (1.4 ÷ 1.6)	<0.001	<0.001	0.32	<0.001
WT7, mm	22	1.5 (1.2 ÷ 2.0)	47	1.5 (1.2 ÷ 1.9)	27	1.5 (1.3 ÷ 1.6)				0.12
WT8, mm	20	1.5 (1.1 ÷ 2.0)	37	1.5 (1.0 ÷ 1.7)	25	1.4 (1.3 ÷ 1.5)	0.03	0.001	0.87	0.005
WT9, mm	14	1.3 (1.1 ÷ 1.6)	27	1.4 (1.1 ÷ 1.7)	21	1.3 (1.2 ÷ 1.4)				0.07

WA3%	22	60.9 (52.4 ÷ 66.3)	48	62.4 (54.4 ÷ 71.3)	29	62.0 (55.7 ÷ 68.0)				0.28
WA4%	22	64.0 (55.8 ÷ 73.1)	48	63.8 (52.9 ÷ 70.3)	29	60.9 (50.3 ÷ 70.6)	0.4	0.01	0.38	0.04
WA5%	22	64.7 (57.3 ÷ 72.3)	48	64.6 (52.0 ÷ 76.4)	29	63.0 (50.3 ÷ 70.3)				0.14
WA6%	22	67.1 (58.8 ÷ 73.3)	48	66.6 (56.2 ÷ 75.2)	29	64.9 (57.8 ÷ 72.2)	0.004	0.03	0.38	0.02
WA7%	22	70.8 (54.0 ÷ 81.9)	47	72.5 (63.6 ÷ 83.1)	27	68.8 (62.6 ÷ 74.9)	0.05	0.001	0.35	0.007
WA8%	20	76.0 (68.4 ÷ 90.6)	37	76.4 (65.8 ÷ 84.7)	25	73.7 (63.5 ÷ 80.1)	0.04	0.006	0.99	0.03
WA9%	14	80.5 (74.4 ÷ 89.7)	27	82.3 (65.9 ÷ 90.0)	21	79.1 (65.5 ÷ 84.1)				0.08

WT - Wall Thickness; WA% - Wall Area Percentage; 3-9 following bronchi generations, SA - Severe Asthma; non-SA - non-Severe Asthma HV – Healthy Volunteers, M – median; 25Q – 25th quartile; 75Q – 75th Quartile, the Bonferroni correction was applied for pair-wise comparisons (Mann-Whitney test) and *P* value <0.017 was considered to be significant, *P* value <0.05 for Kruskal-Wallis test was considered to be significant