

Table S1 Characteristics of young patients with untreated intermittent adult-onset asthma who were categorised by the number of cigarettes per day

	Number of cigarettes per day			p-value
	Never (n = 156)	1–10 <sup>†</sup> (n = 55)	≥ 11 (n = 51)	
Age, (years)	26.9 ± 4.7	28.2 ± 3.6	27.6 ± 3.5	0.148
Age at onset, (years)	24.9 ± 5.0	24.9 ± 4.9	25.8 ± 4.0	0.440
Men, n (%)	35 (22.4)	18 (32.7)	21 (41.2)	<b>0.025</b>
Duration of asthma, (months)	10 (2–36)	12 (3–60)	6 (2–24)	0.134
BMI, kg·m <sup>-2</sup>	21.6 ± 3.4	22.1 ± 4.4	22.3 ± 3.5	0.420
Total IgE, (IU/mL)	164 (70–537)	263 (70–731)	234 (58–715)	0.268
Peripheral blood eosinophil, (count)	230 (105– 405)	310 (170–460)	360 (240–700)	<b>0.003</b>
Atopy, n (%)	138 (89)	50 (91)	47 (92)	0.712
Pre-bronchodilator lung function				
FEV <sub>1</sub> (% predicted)	96.4 ± 12.6	88.6 ± 12.4	92.0 ± 13.5	< <b>0.001</b>
FEV <sub>1</sub> /FVC ratio	0.85 ± 0.07	0.801 ± 0.08	0.81 ± 0.08	< <b>0.001</b>
FVC (L)	3.50 ± 0.70	3.53 ± 0.85	3.78 ± 0.91	0.090
FVC (%)	107 ± 12.7	102 ± 18.2	107 ± 14.1	0.121
FEF <sub>25–75</sub> (% predicted)	76.3 ± 22.4	63.2 ± 20.0	67.8 ± 20.7	< <b>0.001</b>
Post-bronchodilator lung function				
FEV <sub>1</sub> (% predicted)	101 ± 14.7	94.9 ± 14.6	93.9 ± 21.1	<b>0.016</b>
FEV <sub>1</sub> /FVC ratio	0.89 ± 0.07	0.85 ± 0.09	0.84 ± 0.10	<b>0.005</b>
FEF <sub>25–75</sub> (% predicted)	89.2 ± 21.3	78.4 ± 23.4	77.6 ± 23.1	<b>0.002</b>
ΔFEV <sub>1</sub> (%)‡	4.89 ± 12.6	8.55 ± 7.91	6.63 ± 4.94	0.106
HisPC20 (mg/mL)	2.52 (1.05–4.49)	1.48 (0.41–3.41)	1.50 (0.65–2.56)	<b>0.003</b>

Data are presented as means ± standard deviations, n (%), or medians (interquartile ranges).

Post-bronchodilator FVC is missing value, therefore, the data is not shown.

<sup>†</sup>Current smokers were stratified on the basis of the median value for each smoking parameter.

<sup>‡</sup>(Post-bronchodilator FEV<sub>1</sub> – pre-bronchodilator FEV<sub>1</sub>)/pre-bronchodilator FEV<sub>1</sub> (L) × 100

BMI, body mass index; FEV<sub>1</sub>, forced expiratory volume in one second; FVC, forced vital capacity; FEF<sub>25–75</sub>, forced expiratory flow between 25% and 75% of the vital capacity; HisPC20, provocative

concentration of histamine leading to a decrease in the forced expiratory volume in 1 second by > 20%