

## Supplementary Table

Table S1

Demographic, inflammatory, functional and clinical characteristics eosinophilic, non-eosinophilic, atopic and non-atopic patients.

		<b>Eosinophilic (n=40)</b>	<b>Non-Eosinophilic (n=36)</b>	<b>P-value</b>	<b>Atopic (n=5)</b>	<b>Non-atopic (n=4)</b>	<b>P-value</b>
<b>Age (years)†</b>		44.5 (35.3-58.8)	51.5 (38.3-59.8)	N.S.	37.0 (26.5-55.0)	66.0 (58.8-71.0)	N.S.
<b>Sex (%)</b>	<b>Female</b>	27.0 (67.5%)	24.0/35.0 (66.7%)	N.S.	4.0 (80.0%)	3.0 (75.0%)	N.S.
<b>BMI†</b>		25.2 (22.4-28.3)	25.8 (22.9-29.7)	N.S.	22.1 (20.5-31.9)	26.8 (23.2-31.1)	N.S.
<b>Smoking habit (%)</b>	<b>Smokers</b>	4.0/39.0 (10.3%)	2.0/32.0 (6.3%)	N.S.	1.0 (20.0%)	0.0 (0.0%)	N.S.
	<b>Passive</b>	4.0/39.0 (10.3%)	3.0/32.0 (9.4%)	N.S.	0.0 (0.0%)	0.0 (0.0%)	N.S.
	<b>Ex-smokers</b>	11.0/39.0 (28.2%)	11.0/32.0 (34.4%)	N.S.	0.0 (0.0%)	2.0 (50.0%)	N.S.
	<b>Non-smokers</b>	20.0/39.0 (51.3%)	16.0/32.0 (50.0%)	N.S.	4.0 (80.0%)	2.0 (50.0%)	N.S.
<b>Blood eosinophils (cells/<math>\mu</math>L)†</b>		700.0 (525.0-800.0)	100.0 (100.0-100.0)	****	300.0 (250.0-550.0)	450.0 (175.0-575.0)	N.S.
<b>Sputum eosinophils (%)†</b>		2.3% (0.0-20.0)	1.0% (0.0-4.0)	N.S.	7.0% (4.0-10.0)	0.5% (0.0-1.0)	N.S.
<b>Atopy (%)</b>		24.0 (60.0%)	28.0 (77.8%)	N.S.	5.0 (100.0%)	0.0 (0.0%)	**
<b>IgE (IU)†</b>		209.0 (87.4-497.0)	124.0 (62.3-391.0)	N.S.	84.1 (73.8-1175.0)	97.0 (9.7-176.8)	N.S.
<b>FEV<sub>1</sub>/FVC (%)†</b>		78.3% (69.2-84.3)	78.0% (71.9-84.1)	N.S.	81.0% (76.4-97.0)	82.9% (74.9-91.3)	N.S.
<b>FeNO (ppb)†</b>		50.0 (31.5-78.0)	19.0 (11.3-28.1)	****	64.0 (60.0-81.0)	26.5 (13.0-30.3)	N.S.
<b>Exacerbations (%)</b>		22.0 (55.0%)	14.0 (38.9%)	N.S.	3.0 (60.0%)	2.0 (50.0%)	N.S.
<b>Severity (%)</b>	<b>Severe</b>	22.0/37.0 (59.5%)	11.0/30.0 (36.7%)	N.S.	0.0 (0.0%)	1.0 (25.0%)	N.S.
	<b>Moderate</b>	9.0/37.0 (24.3%)	5.0/30.0 (16.7%)	N.S.	2.0 (40.0%)	1.0 (25.0%)	N.S.
	<b>Mild</b>	5.0/37.0 (13.5%)	13.0/30.0 (43.3%)	*	2.0 (40.0%)	1.0 (25.0%)	N.S.
	<b>Intermittent</b>	1.0/37.0 (2.7%)	1.0/30.0 (3.3%)	N.S.	1.0 (20.0%)	1.0 (25.0%)	N.S.
<b>ACT†</b>		20.0 (13.3-23.0)	20.5 (18.0-24.8)	N.S.	25.0 (18.5-25.0)	24.5 (18.0-25.0)	N.S.
<b>ICS and LABA (%)</b>		33.0 (82.5%)	32.0 (88.9%)	N.S.	3.0 (60.0%)	4.0 (100.0%)	N.S.

†Results are expressed as median (IQR); N.S., Non-significant; \*\*\*\*,  $p<0.0001$ ; \*\*,  $p<0.01$ ; \*,  $p<0.05$ ; BMI, Body Mass Index; FEV<sub>1</sub>, Forced Expiratory Volume measured during the first second; FVC, Forced Vital Capacity; FeNO, Fractional exhaled Nitric Oxide; Ppb, parts per billion; ICS and LABA, Inhaled Corticosteroids and Long-Acting  $\beta$ 2-Agonists; ACT, Asthma Control Test.

Accepted Article