

Table S1a. Demographic, inflammatory, and clinical characteristics of the study subjects, asthmatic and control individuals (population 1; lung biopsy samples analysis).

	Asthmatics (n=16)	Controls (n=20)	P-value
Age (years)[^]	52.4 (± 17.7)	63.7 (± 8.5)	*
Female (%)	6 (37.5%)	8 (40%)	N.S.
Smoking habit (%)			
Smokers	4/15 (26.7%)	4 (20%)	N.S.
Ex-smokers	7/15 (46.7%)	4 (20%)	N.S.
Non-smokers	4/15 (26.7%)	12 (40%)	N.S.
Neutrophils (%)[^]	71.4 % (± 16.2)	80.6 % (± 6.1)	N.S.
Lymphocytes (%)[^]	18.2 % (± 12.7)	10.7 % (± 3.9)	N.S.
Monocytes (%)[^]	8.4 % (± 2.9)	7.7 % (± 2.6)	N.S.
Eosinophils (%)[^]	1.6 % (± 1.9)	0.8 % (± 0.8)	N.S.
Basophils (%)[†]	0.3 % (0.1-0.5)	0.2 % (0.1-0.4)	N.S.
Atopy (%)	3 (18.8%)	0/18 (0%)	N.S.

Results are expressed as [^]Mean (± SD) or [†]median (IQR); N.S., Non-significant; *, $p < 0.05$.

Table S1b. Demographic, inflammatory, functional, and clinical characteristics of obese and non-obese asthmatic patients (population 2; serum samples analysis).

	Obese (n=26)	Non-obese (n=51)	P-value
Age (years)[^]	52.5 (±10.7)	46.7 (±15.5)	N.S.
Female (%)	19 (73.1%)	35 (68.6%)	N.S.
BMI[†]	33 (31.6-36.4)	23.8 (22.2-26.5)	****
Obesity (%)	26 (100%)	0 (0%)	****
Tobacco habit (%)			
Smokers	0/25 (0%)	3/47 (6.4%)	N.S.
Passive	2/25 (8%)	4/47 (8.5%)	N.S.
Ex-smokers	10/25 (40%)	15/47 (31.9%)	N.S.
Non-smokers	13/25 (52%)	25/47 (53.2%)	N.S.
Blood eosinophils (cells/μL)[†]	200 (115-525)	500 (100-700)	N.S.
Sputum eosinophils (%)[†]	4% (0-12)	2% (0-11.8)	N.S.
Atopy (%)	20 (76.9%)	33 (64.7%)	N.S.
IgE (IU)[†]	180.5 (65.3-460.8)	178 (62.9-401.5)	N.S.
FEV₁/FVC (%)[^]	86.5% (±14.6)	78.8% (±13.5)	*
FeNO (ppb)[†]	24 (14.5-36.5)	33.5 (15.8-68)	N.S.
Exacerbations (%)	13 (50%)	26 (51%)	N.S.
Severity (%)			
Severe	8/25 (32%)	25/44 (56.8%)	*
Moderate	11/25 (44%)	9/44 (20.5%)	*
Mild	6/25 (24%)	9/44 (20.5%)	N.S.
Intermittent	0/25 (0%)	1/44 (2.3%)	N.S.
ACT[†]	21 (16.5-22)	21 (17-24)	N.S.
ICS and LABA (%)	25 (96.2%)	44 (86.3%)	N.S.
Late asthma onset	17/24 (70.8%)	34/43 (79.1%)	N.S.

Results are expressed as [^]mean (±SD) or [†]median (IQR); N.S., Non-significant; ****, $p < 0.0001$; *, $p < 0.05$; BMI, Body Mass Index; FEV₁, 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 β 2-Agonists; ACT, Asthma Control Test.