

Table S1. Demographic and clinical characteristics of every patients enrolled in the study

patients	age	sex	Asthma stratification (1=moderate 2=severe)	Atopy (0=no; 1=yes)	NERD (0=no; 1=yes)	Mepolizumab administrations	BEC pre cells/ μ L (%)	BEC post cells/ μ L (%)	OCS dose pre (mg/die)	OCS dose Post (mg/die)	SNOT-22 pre	SNOT-22 post	NPS pre	NPS post	L-K pre	L-K post	SST-16 pre	SST- 16 post
1	73	F	2	0	0	36	2760 (26.5)	60 (0.9)	0	0	67	61	5	1	4	2	4	7
2	59	M	2	1	1	8	940 (13.2)	20 (0.3)	0	0	57	23	5	4	6	6	5	6
3	51	M	1	1	0	4	410 (6.7)	60 (0.9)	0	0	45	43	3	3	6	5	4	13
4	62	M	1	0	1	14	770 (10.5)	40 (0.7)	0	0	59	10	6	2	8	2	7	15
5	67	F	1	0	0	3	3300 (33.2)	180 (2.5)	0	0	57	23	8	8	9	9	4	9
6	70	M	1	1	0	3	660 (7.5)	110 (1.1)	0	10	51	27	5	8	7	6	3	6
7	55	F	2	0	0	7	1080 (13.3)	110 (1.2)	0	0	87	45	8	3	8	4	2	4
8	53	M	2	0	0	21	850 (12.7)	0 (0.4)	0	0	42	9	6	4	4	4	7	12
9	36	F	2	1	0	6	890 (10.1)	70 (0.9)	0	0	60	32	2	2	10	4	4	4
10	56	M	1	1	0	6	970 (14.1)	90 (1.7)	0	0	55	31	6	4	7	4	4	15
11	57	M	2	0	0	35	600 (6.7)	100 (1)	2.5	0	30	11	7	2	8	3	2	12
12	63	F	1	1	1	20	530 (7)	100 (1.2)	0	2.5	58	37	6	6	8	6	4	5
13	49	F	2	1	1	5	630 (5.8)	100 (1)	2.5	0	75	11	5	6	8	4	7	11
14	44	F	2	0	1	19	1000 (14)	90 (1.9)	2.5	0	27	10	4	0	6	4	9	14
15	77	M	2	1	1	19	2060 (23.7)	20 (0.3)	5	0	29	17	3	0	4	2	6	7

Note: Data are expressed as mean $\pm$ standard error

Abbreviations: BEC: Blood Eosinophils Count; L-K: Lund-Kennedy; NERD: NSAID-Exacerbated Respiratory Disease; NPS: Nasal Polyp Score; OCS: Oral CorticoSteroids; SNOT-22, SinuNasal Outcome Test-22; SST-16, Sniffin' Sticks Test-16.

Table S2. Clinical and endoscopic scores before and after mepolizumab treatment according to the duration of therapy

≤ 6 months	Pre-mepolizumab	Post-mepolizumab	<i>p value</i>
SNOT-22	57.2 ± 4.2	27.8 ± 4.3	< .005
NPS	4.8 ± 0.9	5.2 ± 1.1	.58
L-K	7.8 ± 0.6	5.2 ± 0.7	< .05
SST-16	4.3 ± 0.6	9.7 ± 1.7	< .05
> 6 months	Pre-mepolizumab	Post-mepolizumab	<i>p value</i>
SNOT-22	49.3 ± 5.9	24.8 ± 6.3	< .05
NPS	5.5 ± 0.5	2.9 ± 0.6	< .005
L-K	6.2 ± 0.6	3.7 ± 0.5	< .05
SST-16	5.1 ± 0.8	9.1 ± 1.4	< .05

Note: Data are expressed as mean ± standard error, Mann-Whitney U test was used for comparison analysis.

Abbreviations: L-K: Lund Kennedy; NPS: Nasal Polyp Score; SNOT-22: SinuNasal Outcome Test-22; SST-16: Sniffin' Sticks Test-16.