

Supplementary Materials

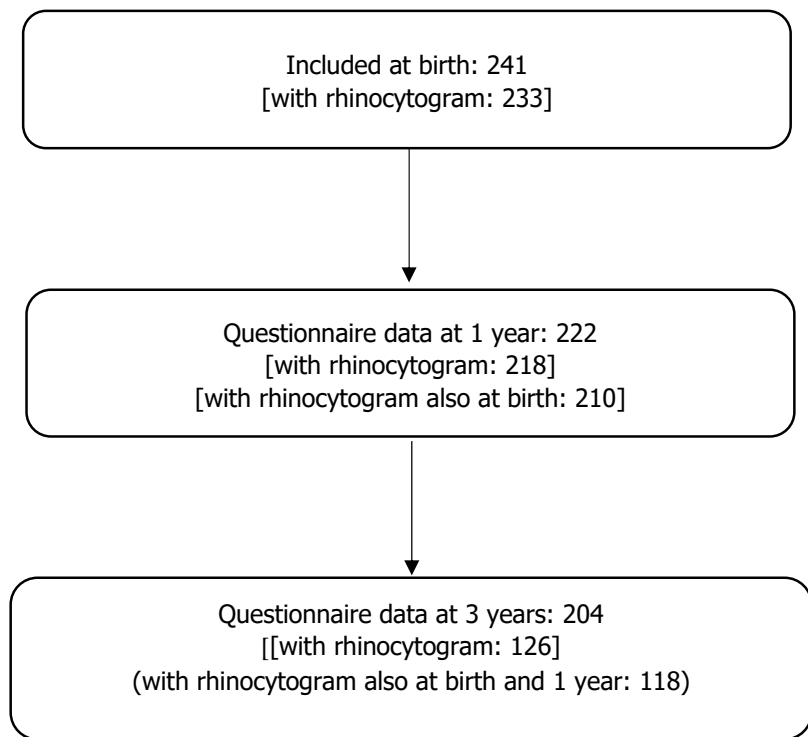


Figure S1: Patient's flow-chart

Table S1. Cross sectional association between acute otitis media (AOM), upper respiratory tract infections (URTI), bronchitis, allergy, and bronchial asthma/wheezing during the first year of life and nasal mucosal composition at 1 year.

	AOM [n=31]			URTI [n=200]			Bronchitis [n=59]			Allergy [n=14]			Bronchial asthma/wheezing [n=25]		
	Yes (% ^a)	No (% ^a)	<i>p</i> ^b	Yes (% ^a)	No (% ^a)	<i>p</i>	Yes (% ^a)	No (% ^a)	<i>p</i>	Yes (% ^a)	No (% ^a)	<i>p</i>	Yes (% ^a)	No (% ^a)	<i>p</i>
Muciparous cells															
0/+	24 (77.4)	125 (66.8)		135 (67.5)	14 (77.8)		42 (71.2)	107 (67.3)		9 (64.3)	140 (68.6)		21 (84.0)	128 (66.3)	
++/+++/+	7 (22.6)	62 (33.2)	0.241	65 (32.5)	4 (22.2)	0.369	17 (28.8)	52 (32.7)	0.583	5 (35.7)	64 (31.4)	0.736	4 (16.0)	65 (33.7)	0.074
Neutrophils															
0/+	7 (22.6)	59 (31.6)		60 (30.0)	6 (33.3)		14 (23.7)	52 (32.7)		0 (0)	66 (32.4)		7 (28.0)	59 (30.6)	
++/+++/+	24 (77.4)	128 (68.5)	0.314	140 (70.0)	12 (66.7)	0.768	45 (76.3)	107 (67.3)	0.200	14 (100)	138 (67.7)	0.007	18 (72.0)	134 (69.4)	0.792
Eosinophils															
0	29 (93.6)	174 (93.6)		185 (93.0)	18 (100)		53 (91.4)	150 (94.3)		13 (92.9)	190 (93.6)		22 (91.7)	181 (93.8)	
+	2 (6.5)	12 (6.5)	0.999	14 (7.0)	0 (0)	0.613	5 (8.6)	9 (5.7)	0.432	1 (7.1)	13 (6.4)	0.999	2 (8.3)	12 (6.2)	0.657
Lymphocytes															
0	27 (87.1)	144 (77.0)		153 (76.5)	18 (100)		46 (78.0)	125 (78.6)		8 (57.1)	163 (79.9)		21 (84.0)	50 (77.7)	
+/++	4 (12.9)	43 (23.0)	0.206	47 (23.5)	0 (0)	0.015	13 (22.0)	34 (21.4)	0.917	6 (42.9)	41 (20.1)	0.084	4 (16.0)	43 (22.3)	0.473
Bacteria															
0	14 (45.2)	77 (41.2)		85 (42.5)	6 (33.3)		24 (40.7)	67 (42.2)		8 (57.1)	83 (40.7)		12 (48.0)	79 (40.9)	
+/++/+++	17 (54.8)	110 (58.8)	0.677	115 (57.5)	12 (66.7)	0.450	35 (59.3)	92 (57.9)	0.846	6 (42.9)	121 (59.3)	0.227	13 (52.0)	114 (59.1)	0.500

^a Column percentages.

^b *p*-value from Chi-square test or Fisher exact test.