

Table 1 Clinical characteristics of the subjects at OFC

		All subjects (n=93)	Group N (n=36)	Group O (n=57)	P value
Age in months; median (IQR)		24 (12-44)	42 (22-62)	18 (11-33)	<0.001
Gender; n (boys %)		57 (61%)	22 (61%)	35 (61%)	>0.999
Comorbid allergic diseases n (%)	Atopic dermatitis	55 (59%) ^b	27 (75%)	28 (49%)	0.017
	Asthma	17 (18%)	12 (33%)	5 (9%)	0.005
	Allergic rhinitis	51 (55%)	22 (61%)	29 (51%)	0.395
Family history of allergic diseases n (%)	Father	76 (82%)	32 (89%)	44 (77%)	0.180
	Mother	65 (70%)	29 (81%)	36 (63%)	0.104
History of food-induced anaphylaxis; n (%)		21 (23%)	10 (28%)	11 (19%)	0.446
First OFC; n (%)		53 (57%)	17 (47%) ^c	36 (63%) ^c	0.140
Number of avoided foods; median (IQR)		4 (2-6)	4 (3-5)	3 (2-6)	0.306
EW-sIgE (kU _A /L); median (IQR)		20.5 (6.1-56.2)	44.7 (11.7-99.8)	17.2 (5.5-41.8)	0.013
OM-sIgE (kU _A /L); median (IQR)		8.3 (1.9-34.3)	18.0 (6.8-75.7)	5.1 (0.8-15.8)	0.001

IQR: interquartile range

Table 2 Comparison of FAQLQ-PF scores at OFC and 1 year later**(a) Group N (n=15)**

FAQLQ-PF	At OFC	At 1 year	P value
Total score; median (IQR)	4.0 (3.3-4.7)	4.5 (4.1-4.9)	0.252
Subscales; median (IQR)			
Emotional impact	3.5 (3.0-4.8)	4.5 (3.9-4.7)	0.184
Food anxiety	4.3 (3.3-4.5)	4.9 (3.6-5.3)	0.208
Social dietary limitations	4.6 (3.7-5.2)	4.8 (4.4-4.9)	0.359

(b) Group O (n=33)

FAQLQ-PF	At OFC	At 1 year	P value
Total score; median (IQR)	3.6 (2.6-4.4)	3.2 (1.6-3.8)	0.016
Subscales; median (IQR)			
Emotional impact	3.2 (2.3-4.2)	3.0 (1.7-3.8)	0.050
Food anxiety	3.7 (2.3-4.3)	3.0 (1.3-3.8)	0.081
Social dietary limitations	4.2 (3.2-4.6)	3.6 (1.9-4.1)	0.004

IQR: interquartile range

Table 3 Factors associated with a favorable outcome for egg allergy

Variables	Univariate analysis		Multivariate analysis	
	OR (95%CI)	P-value	OR (95%CI)	P-value
Age >25 months	0.238 (0.096-0.573)	0.002	-	-
EW-sIgE >25 kU _A /L	0.333 (0.146-0.789)	0.017	-	-
Positive OFC	0.739 (0.284-1.859)	0.622	-	-
Number of avoided foods >3	0.493 (0.210-1.244)	0.179	-	-
History of anaphylaxis	0.622 (0.233-1.569)	0.446	-	-
Parental allergic disease	0.175 (0.016-1.283)	0.146	-	-
Comorbid asthma	0.192 (0.070-0.570)	0.005	0.280 (0.081-0.964)	0.044
Comorbid atopic dermatitis	0.322 (0.138-0.796)	0.017	0.302 (0.108-0.844)	0.022
FAQLQ-PF total score >3.8	0.231 (0.095-0.555)	0.001	0.277 (0.105-0.728)	0.009

The chi-square test was used for univariate analysis. Binary logistic regression analysis was used for multivariate analysis, and backward variable selection was performed to identify a prediction model for a favorable outcome, defined as an increase in the intake level of egg after 1 year, from the 9 explanatory variables in the table.