

Table 1. The demographic features of the healthy, physician diagnosed food allergy (FA) and Indecisive symptoms for FA groups

Demographics	Healthy N=64	Physician diagnosed FA N=89	Indecisive symptoms for FA N=16	p
Atopic Dermatitis	0	21 (23.7)	4 (25)	<0.001
Anaphylaxis	0	4 (4.9)	0	-
Maternal age (mean±SD)	32.8 ± 6.2	31.6 ± 3.8	34.4 ± 2.9	0.131
Paternal age (mean±SD)	34.7 ± 6.3	36.1 ± 5.7	36.4 ± 5.1	0.551
Age of infant (mean±SD)	6.2 ± 4.7	6.2 ± 3.1	5.6 ± 1.7	0.469
Gender (Female), n (%)	34 (53.2)	44 (49.4)	6 (37.5)	0.534
Only child, n (%)	40 (62.5)	65 (73)	13 (81.3)	0.108
Primary caregiver is mother, n (%)	48 (75.0)	55 (61.8)	13 (81.3)	0.006
Mother is at least college graduate, n (%)	55 (87.3)	67 (75.2)	16 (100)	0.001
Father is at least college graduate, n (%)	52 (82.5)	54 (60.7)	16 (100)	0.009
Monthly income < 720\$, n (%)	21 (23.6)	42 (47.2)	3(18.8)	0.043
Maternal history of atopic disease, n (%)	15 (23.4)	16 (18)	5 (31.2)	0.055
Maternal history of psychiatric disease, n (%)	5 (7.8)	11 (12.4)	1 (6.3)	0.485

Table 2. Dietary characteristics in physician diagnosed food allergy (FA) vs Indecisive symptoms for food allergy

Diet characteristics	Physician diagnosed FA n=89	Indecisive symptoms for FA n=16
Sources for dietary elimination, n (%)		
Doctor	63 (71)	12 (75)
Written sources	16 (18)	3 (19)
Internet	18 (20)	3 (19)
Social environment	5 (6)	2 (13)
Friends	6 (7)	2 (13)
Relatives	1 (1)	-
Other sources	2 (2)	-
Change in breast milk characteristics, n (%)		
Volume (decrease)	46 (65)	8 (57)
Cessation	2 (4)	1 (11.1)
Change in color	24 (27)	1 (6)
Change in consistency	26 (29)	4 (25)
Increase in feeding frequency	24 (49)	4 (40)

Table 3. The list of the eliminated foods by mothers in physician diagnosed food allergy (FA) and Indecisive symptoms for FA groups

Eliminated food	All physician diagnosed FA (IgE- mediated and non- IgE-mediated), n=74	<i>IgE- mediated FA, n=8</i>	<i>Non-IgE- mediated FA, (n=66)</i>	Indecisive symptoms for FA, n=14
Milk, n (%)	72 (97.2)	6 (75.0)	66 (100)	14 (100)
Egg, n (%)	58 (78.3)	6 (75.0)	52 (78.7)	14 (100)
Meat, n (%)	56 (75.6)	4 (50.0)	52 (78.7)	11 (79)
Poultry, n (%)	42 (56.7)	4 (50.0)	38 (57.5)	9 (64.2)
Tree nuts, n (%)	49 (66.2)	5 (62.5)	44 (66.6)	11 (78.5)
Fish, n (%)	44 (59.4)	4 (50)	40 (60.6)	7 (50.0)
Fruit, n (%)	24 (32.4)	2 (25)	22 (33.3)	4 (28.6)
Grain, n (%)	15 (20.2)	1 (12.5)	14 (21.2)	2 (14.2)
Vegetable, n (%)	16 (21.6)	1 (12.5)	15 (22.7)	0

Table 4. Number of eliminated foods in physician diagnosed food allergy (FA) and Indecisive symptoms for FA groups

Eliminated food number	Whole Physician diagnosed FA (Ige-mediated and non-IgE-mediated food allergy) n=73	<i>IgE-mediated food allergy n=8</i>	<i>Non-IgE-mediated food allergy n=65</i>	Indecisive symptoms for FA n=14
1-2, n (%)	4 (5.5)	<i>1 (12.5)</i>	<i>3 (4.6)</i>	0
3-5, n (%)	6 (8.2)	<i>1 (12.5)</i>	<i>5 (7.7)</i>	2 (14.2)
6-10, n (%)	14 (19.2)	<i>1 (12.5)</i>	<i>13 (20.0)</i>	4 (28.6)
11-20, n (%)	19 (26.0)	<i>1 (12.5)</i>	<i>18 (27.7)</i>	4 (28.6)
>20, n (%)	30 (41.1)	<i>4 (50)</i>	<i>26 (40.0)</i>	4 (28.6)

Table 5. Comparisons among the healthy controls, children with physician diagnosed FA and children with indecisive symptoms for FA groups

	Healthy	Physician diagnosed FA	Indecisive symptoms for FA	p (Healthy vs Physician diagnosed FA)	p (Healthy vs Indecisive symptoms for FA)	p (Physician diagnosed FA vs Indecisive symptoms for FA)
SCL-90R, mean (SD)	N=54	N=89	N=16			
-Anxiety	0.32 (0.31)	0.66 (0.70)	0.81 (0.74)	0.008	0.034	0.420
-Anger	0.45 (0.51)	0.83 (0.81)	1.08 (1.00)	0.042	0.045	0.365
-Depression	0.63 (0.47)	1.20 (0.86)	1.29 (0.87)	<0.001	0.005	0.728
-Interpersonal sensitivity	0.52 (0.44)	0.89 (0.80)	0.82 (0.72)	0.001	0.180	0.765
-Obsession	0.72 (0.57)	1.21 (0.85)	1.53 (1.09)	0.002	0.009	0.335
-Paranoia	0.58 (0.52)	0.81 (0.84)	0.90 (0.91)	0.341	0.633	0.802
-Phobia	0.14 (0.20)	0.44 (0.65)	0.57 (0.68)	0.008	0.024	0.426
-Psychotic	0.21 (0.28)	0.41 (0.60)	0.56 (0.78)	0.057	0.320	0.714
-Somatization	0.45 (0.46)	0.84 (0.78)	0.91 (0.73)	0.002	0.029	0.649
-General Symptom Index	4.00 (3.01)	7.28 (6.02)	8.46 (7.03)	0.001	0.037	0.669
Beck Depression Inventory	N=54	N=61	N=14			
	9.33 (5.44)	17.16 (10.27)	14.93 (10.28)	<0.001	0.104	0.536
Beck Anxiety Inventory	N=53	N=66	N=13			
	8.32 (7.77)	14.36 (13.37)	16.62 (11.73)	0.008	0.031	0.397
Bonding*	N=54	N=61	N=14			
Attachment	5.31 (3.74)	6.89 (4.93)	5.71 (3.00)	0.001	0.244	0.465
Anger	1.06 (2.06)	1.80 (2.86)	1.93 (2.23)	0.019	0.003	0.277
Anxiety	1.96 (1.90)	3.31 (3.15)	3.00 (2.35)	0.245	0.200	0.116
Abuse	0.00 (0.00)	0.07 (0.31)	0.00 (0.00)	0.103	1.000	0.400
Total	8.30 (5.95)	12.07 (9.31)	10.64 (5.11)	0.036	0.079	0.579

*Bonding: Brockinton postpartum bonding questionnaire

Table 6. Comparisons among the healthy controls, IgE-, Non-IgE-mediated FA and indecisive symptoms for FA groups

Questionnaire	Healthy	Physician diagnosed FA		Indecisive symptoms for FA	p (Kruskal Wallis)	p for trend (Joncheere-terpstra)
		IgE-mediated FA	Non-IgE-mediated FA			
SCL-90R, mean (SD)	N=54	N=10	N=75	N=16		
Anxiety	0.32 (0.31)	0.54 (0.70)	0.70 (0.72)	0.81 (0.74)	0.016	0.002
Anger	0.45 (0.51)	0.62 (0.76)	0.87 (0.82)	1.08 (1.00)	0.042	0.005
Depression	0.63 (0.47)	0.68 (0.84)	1.30 (0.84)	1.29 (0.87)	<0.001	0.003
Interpersonal sensitivity	0.52 (0.44)	0.57 (0.67)	0.95 (0.82)	0.82 (0.72)	0.018	0.010
Obsession	0.72 (0.57)	0.87 (0.72)	1.28 (0.86)	1.53 (1.09)	0.002	<0.001
Paranoia	0.58 (0.52)	0.75 (0.88)	0.83 (0.85)	0.90 (0.91)	0.887	0.472
Phobia	0.14 (0.20)	0.39 (0.72)	0.45 (0.66)	0.57 (0.68)	0.028	0.003
Psychotic	0.21 (0.28)	0.42 (0.51)	0.42 (0.62)	0.56 (0.78)	0.525	0.161
Somatization	0.45 (0.46)	0.52 (0.67)	0.89 (0.80)	0.91 (0.73)	0.005	0.001
General Symptom Index	4.00 (3.01)	5.35 (6.08)	7.69 (6.08)	8.46 (7.03)	0.005	0.001
Beck Depression Inventory, mean (SD)	N=54	N=10	N=47	N=14		
	9.33 (5.44)	12.60 (9.24)	18.36 (10.34)	14.93 (10.28)	<0.001	<0.001
Beck Anxiety Inventory, mean (SD)	N=53	N=10	N=52	N=13		
	8.32 (7.77)	12.50 (15.36)	14.79 (13.55)	16.62 (11.73)	0.044	0.007
Bonding*, mean (SD)	N= 54	N=10	N=47	N=14		
Attachment	5.31 (3.74)	5.20 (3.99)	7.45 (4.80)	5.71 (3.00)	0.011	0.006
Anger	1.06 (2.06)	1.20 (1.81)	1.68 (2.66)	1.93 (2.23)	0.010	0.001
Anxiety	1.96 (1.90)	2.50 (2.37)	3.34 (3.39)	3.00 (2.35)	0.529	0.509
Abuse	0.00 (0.00)	0.00 (0.00)	0.09 (0.35)	0.00 (0.00)	0.159	0.182
Total	8.30 (5.95)	8.90 (6.85)	12.55 (9.11)	10.64 (5.11)	0.109	0.022

*Bonding: Brockinton postpartum bonding questionnaire

