

SUPPLEMENTARY MATERIAL**Table S-I. Frequency of allergy to other nuts in patients allergic to walnut**

Nut	allergics/ valids (%) *
Hazelnut	16/33 (48.48)
Peanut	12/35 (34.29)
Almond	13/42 (30.95)
Chestnut	4/17 (23.53)
Pistachio	7/32 (21.88)
Cashew nut	5/27 (18.52)
Sunflower seed	5/37 (13.51)

* To calculate the percentage of other nut allergic patients, only were included those who undoubtedly ingested the nut after the reaction to walnut.

Table S-II. Frequency of sensitization to walnut allergens

Allergen	Sensitized (%)	sIgE levels (kU _A /L)	
		Median	IQR
Jug r 1	15 (29.4)	37.7	41.28
Jug r 2	11 (21.6)	9.83	37.06
Jug r 3	22 (43.1)	1.62	5.41
Jug r 4	12 (23.5)	6.62	28.18
Jug r 6	7 (13.7)	20.4	36.02
Panallergens			
Phl p 12 (Jug r 5[*])	11 (21.6)	3.35	6.22
Bet v 1 (Jug r 7[#])	5 (9.8)	1.52	12.58
Pru p 3[§]	33 (64.7)	2.33	4.95
Total IgE		109	182

* Of the 11 patients sensitized to Phl p 12, 3 were not sensitized to homologs of LTP, PR-10 or SSPs.

Of the 5 patients sensitized to Bet v 1, all of them were sensitized to LTP homologues.

§ Of the 33 patients sensitized to Pru p 3, 10 were not sensitized to Jug r 3. None of them were sensitized to SSPs.

Table S-III. Frequency of sensitization to different LTP-1

Allergen	patients (%)	LTP sensitization
Mal d 3	34 (66.7)	100 %
Pru p 3	33 (64.7)	97.1 %
Fra a 1 +3	31 (60.78)	91.2 %
Pla a 3	26 (51)	76.5 %
Jug r 3	22 (43.1)	64.7 %
Zea m 14	22 (43.1)	64.7 %
Ara h 9	20 (39.2)	58.8 %
Cor a 8	19 (37.2)	55.9 %
Act d 10	17 (33.3)	50 %
Art v 3	14 (27.5)	41.2 %
Api g 2	13 (25,5)	38.2 %
Can s 3	8 (15,7)	23.5 %
Sola l 6	4 (7,8)	20.6 %
Tri a 14	1 (2.0)	3 %

Table S-IV. Characteristics of walnut allergy in SSP-G and LTP-G patients

Characteristic	LTP-G ^s	SSP-G ^s	<i>p</i> value
Patients	31 (60.78)	15 (29.41)	
Age (y) mean ± SD	33 ± 10	15 ± 8	<0.001
Female sex	15 (48.78)	6 (40)	0.592
Food allergy (allergies/ valids) *			
Hazelnut	11/19 (57.90)	3/10 (30)	0.153
Peanut	7/22 (31.81)	3/9 (33.33)	0.935
Almond	8/26 (30.77)	3/11 (27.27)	0.832
Chestnut	3/10 (30)	1/6 (16.67)	0.551
Pistachio	5/22 (22.73)	2/8 (25)	0.896
Cashew nut	2/16 (12.5)	3/8 (37.5)	0.155
Sunflower seed	5/22 (22.73)	0/11 (0)	0.086
Peach	22/30 (73.33)	3/15 (20)	0.001
Apple	13/31 (41.93)	0/14 (0)	0.004
Pear	10/29 (34.48)	0/15 (0)	0.010
Plum	11/24 (45.83)	0/11 (0)	0.007
Kiwi	9/23 (39.13)	1/13 (7.69)	0.043
Banana	12/30 (40)	1/15 (6.66)	0.020
First food causing symptoms			
Nuts	18 (58.06)	14 (93.33)	0.015
Fruits	11 (35.48)	1 (6.67)	0.037
Other vegetables	2 (6.45)	0 (0)	0.314
Minimum amount of walnut ingested			
Hidden allergen	10 (32.25)	10 (66.66)	0.039
One walnut	6 (19.35)	4 (26.66)	
2-5 walnuts	7 (22.58)	1 (6.66)	
≥5 walnuts	8 (25.80)	0 (0)	
Symptoms			
OAS	26 (83.87)	9 (60)	0.075
Urticaria/Oedema	10 (32.25)	10 (66.66)	0.027
Nausea	3 (9.67)	5 (33.33)	0.047
Vomiting	2 (6.45)	6 (40)	0.005
Diarrhea	3 (9.67)	2 (13.33)	0.709
Asthma	7 (22.58)	7 (46.66)	0.096
Anaphylaxis	16 (51.61)	10 (66.66)	0.334
Anaphylactic shock	1 (3.22)	2 (13.33)	0.193
Cofactor	7 (22.58)	0 (0)	0.046
Treatment			
Antihistamines	21 (67.74)	12 (80)	0.387
Corticosteroids	12 (38.70)	8 (53.33)	0.348
Adrenaline	4 (12.90)	5 (33.33)	0.102

All measurements are in n (%) unless otherwise specified. ^s One patient sensitized to Jug r 1 and Jug r 3 simultaneously was excluded. * To calculate the percentage of other nut allergic patients, only were included those who undoubtedly ingested the nut after the reaction to walnut.