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Table SI. Baseline characteristics of participants in the study

Characteristics	Mean±SD	n [Ⓐ] (%)
Age, years	14.09±10.36	
Male		30 (60%)
Age of onset of AD, years	11.21±9.91	
Duration, months	43.70±58.76	
Season of birth		
Spring		10 (20%)
Summer		12 (24%)
Autumn		17 (34%)
Winter		11 (22%)
Delivery mode		
Virginal delivery		31 (62%)
Cesarean section delivery		19 (38%)
Gestational age		
Term birth (37-42 weeks)		46 (92%)
Preterm birth (<37 weeks)		3 (6%)
Post-term birth (>42 weeks)		1 (2%)
Feeding types during infancy		
Breastfeeding		32 (64%)
Formula feeding		6 (12%)
Mixed feeding		12 (24%)
Outdoor activities per day		
Less than 2 hours		37 (74%)
More than 2 hours		13 (26%)
Family history		
Family history of allergic disease		29 (58%)
Family history of AD		3 (6%)
Allergic comorbidities		
Asthma		19 (38%)
Rhinitis		29 (58%)
Urticaria		11 (22%)
SCORAD	53.01±14.26	
Itch	5.70±2.02	

[Ⓐ] n refers to the number of individuals

AD: atopic dermatitis; SCORAD: scoring atopic dermatitis.

Table SII. Seasonal changes in the severity of AD patients evaluated by SCORAD

	<i>n</i> [§]	Spring	Summer	Autumn	Winter	<i>F</i>	<i>P</i>
Overall	204	51.58±15.64	49.88±17.12	48.71±16.24	49.86±17.43	0.23	0.88
Sex							
Male	125	53.14±13.83	49.67±16.70	46.30±16.69	47.93±17.78	0.80	0.50
Female	79	49.42±18.21	50.25±18.34	52.41±15.04	53.10±16.79	0.19	0.91
Age							
<18 years	142	51.68±14.78	50.97±16.68	46.23±14.33	49.80±15.52	1.01	0.39
18 years or older	62	51.38±18.17	46.78±18.72	54.10±18.98	49.99±21.60	0.40	0.75
Duration							
<12 months	55	55.23±15.38	52.46±18.50	40.05±13.03	49.29±15.46	3.00	0.04*
12 months or longer	149	49.85±15.83	48.75±16.66	52.02±16.22	50.00±18.05	0.29	0.83
Delivery mode							
Virginal delivery	128	52.89±16.12	51.25±18.30	46.46±15.53	47.44±16.90	0.97	0.41
Cesarean section delivery	76	49.21±15.17	47.75±15.36	51.80±16.92	55.67±17.88	0.70	0.56
Gestation age: term birth	188	50.98±14.98	50.05±16.43	48.78±16.26	50.16±18.39	0.15	0.93
Feeding types during infancy							
Breastfeeding	122	48.50±13.68	48.65±17.34	49.13±17.35	50.52±18.54	0.08	0.97
Formula feeding	27	54.15±8.37	53.77±14.79	51.31±16.11	51.20±10.44	0.09	0.97
Mixed feeding	55	56.21±22.74	50.38±18.86	46.69±14.35	47.71±16.92	0.64	0.59
Outdoor activities per day							
Less than 2 hours	153	51.26±16.83	48.99±17.67	48.61±16.98	51.51±18.33	0.29	0.83
More than 2 hours	51	52.92±10.29	52.15±16.10	49.03±14.18	45.03±13.99	0.69	0.56
Season of birth							
Born in spring	35	55.18±11.62	45.22±14.09	37.74±14.59	43.70±17.02	1.64	0.20
Born in summer	51	51.30±17.19	63.54±9.13	43.72±13.44	47.04±16.44	4.90	<0.01*
Born in autumn	69	55.99±17.55	47.34±16.59	56.85±17.22	53.56±18.09	0.92	0.42
Born in winter	49	44.70±13.89	43.70±20.53	49.57±13.78	50.74±17.96	0.51	0.68
Family history							
Any allergic disease	118	53.14±15.78	54.18±16.12	47.13±15.75	50.34±17.00	1.27	0.29
Comorbidities							
Asthma	81	56.68±14.59	50.70±17.12	54.85±16.40	53.44±19.09	0.37	0.77
Allergic rhinitis	120	50.68±16.13	51.04±17.32	46.49±15.99	47.65±17.20	0.56	0.64
Urticaria	45	41.79±17.46	40.55±16.36	40.02±13.68	42.50±16.85	0.06	0.98

[§] n refers to the number of visits

AD: atopic dermatitis; SCORAD: scoring atopic dermatitis; *: the difference is statistically significant.

Table SIII. Seasonal changes in itch severity of AD patients

	n [‡]	Spring	Summer	Autumn	Winter	F	P
Overall	204	4.94±1.98	5.30±2.22	5.00±1.75	4.92±2.13	0.37	0.78
Sex							
Male	125	5.00±1.85	5.28±2.10	4.78±1.78	4.66±2.22	0.58	0.63
Female	79	4.85±2.23	5.35±2.47	5.33±1.69	5.37±1.95	0.22	0.88
Age							
<18 years	142	5.00±1.95	5.56±2.19	4.87±1.69	4.80±1.89	1.17	0.32
18 years or older	62	4.80±2.15	4.58±2.23	5.29±1.88	5.19±2.64	0.34	0.80
Duration of AD							
<12 months	55	5.00±2.00	5.79±2.15	4.48±1.75	4.50±2.17	1.40	0.25
12 months or longer	149	4.90±2.02	5.09±2.25	5.20±1.73	5.02±2.14	0.13	0.94
Delivery mode							
Virginal delivery	128	4.80±2.28	5.25±2.35	4.75±1.81	4.53±2.02	0.66	0.58
Cesarean section delivery	76	5.18±1.33	5.39±2.06	5.34±1.64	5.87±2.17	0.38	0.77
Gestation age: term birth	188	4.93±1.89	5.35±2.19	5.03±1.76	4.91±2.24	0.43	0.74
Feeding types during infancy							
Breastfeeding	122	4.76±1.99	5.33±2.30	5.32±1.83	4.97±2.18	0.45	0.72
Formula feeding	27	5.50±1.76	5.29±2.06	4.50±1.27	5.25±2.22	0.52	0.67
Mixed feeding	55	4.88±2.30	5.25±2.30	4.59±1.71	4.69±2.14	0.29	0.83
Outdoor activities per day							
Less than 2 hours	153	4.84±2.01	5.00±2.25	5.02±1.91	5.03±2.24	0.05	0.99
More than 2 hours	51	5.33±1.97	6.08±2.02	4.95±1.18	4.62±1.85	1.84	0.15
Season of birth							
Born in spring	35	4.60±1.67	4.70±1.64	4.00±1.48	4.33±2.18	0.31	0.82
Born in summer	51	5.33±2.06	7.09±1.38	4.85±1.60	5.09±2.21	3.99	0.01*
Born in autumn	69	5.33±1.50	4.93±2.09	5.88±2.09	4.90±2.19	1.09	0.36
Born in winter	49	4.25±2.60	4.55±2.73	4.60±1.14	5.30±2.11	0.45	0.72
Family history							
Any allergic disease	118	5.29±2.11	5.85±2.14	5.11±1.89	5.03±1.95	0.99	0.40
Comorbidities							
Asthma	81	5.73±1.91	5.18±2.56	5.40±1.87	5.58±2.19	0.21	0.89
Allergic rhinitis	120	5.00±2.31	5.67±2.35	4.89±1.85	4.77±2.31	1.00	0.40
Urticaria	45	3.50±1.85	3.90±2.08	4.07±1.44	4.42±1.83	0.45	0.72

[‡] n refers to the number of visits

AD: atopic dermatitis; *: the difference is statistically significant