

Supplementary Material

Determining Severity Strata for Three Atopic Dermatitis-Specific Patient-Reported Outcome Questionnaires: Defining Severity Score Ranges for the Worst Pruritus Numerical Rating Scale and the Atopic Dermatitis Symptom and Impact Scales (ADerm-SS and ADerm-IS)

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Supplemental Table 1. The list of participating Institutional Review Boards (IRBs) or Ethic Committees (ECs)

Study site number	IRB or EC*
Australia	
9701, 9704	Northern Sydney Local Health District HREC Royal North Shore Hospital 2065
9702 ,9703, 9705	Bellberry Limited Human Research Ethics Committee 123 Glen Osmond Road 5063
Austria	
1301, 1302, 1305, 1306	Ethikkommission der Medizinischen Universitaet Wien Borschkegasse 8b/ E06 1090
Belgium	
1401, 1402, 1403, 1404	Comité d’Ethique hospitalo-facultaire Promenade de l'Alma 51 bte B1.43.03 1200
Canada	
1201	Health Research Ethics Board - Biomedical Panel 308 Campus Tower 8625 112 St. T6G 1K8 Health Research Ethics Board of Alberta 1500, 10104 - 103 Avenue NW T5J 0H8
1202,12010	Advarra 6100 Merriweather Drive 21044
1203, 1204, 1206, 1207, 1212, 1213, 1215, 1216, 1219	Research Review Board Inc 55 Northfield Drive East N2K 3T6

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Study site number	IRB or EC*
1205	Nova Scotia Health Authority Research Ethics Board 5790 University Avenue Room 118, Center for Clinical Research B3H 1V7
1208	Health Research Ethics Board 1500-10104 103 Ave NW T5J 4A7
1211, 1217	Health Research Ethics Board - Biomedical Panel 308 Campus Tower 8625 112 St. T6G 1K8
1218	CHU St. Justine Research Ethics Board 3175, Chemin Cote Sainte-Catherine H3T 1C5
China	
9501	Medical EC of 1st Affiliated Hospital, Zhejiang University No.79 Qingchun Road 310003
9502	Ethics Committee of Sun Yat-sen Memorial Hospital of Sun Yat-sen University No 107th Yanjiang West Road, Yuexiu District 510120
9503	IEC of The Second Affiliated Hospital of Zhejiang University School of Medicine No.88 Jiefang Road Hangzhou Zhejiang Province 310009
9504	Ethics Committee of Chinese PLA General Hospital No. 28 Fuxing road Haidian district, Beijing 100853
9506	Ethics Committee record of Union Hospital Huazhong University of Science and Tec No.1277, Jiefang Avenue 430022
9507	Ethics Committee of Beijing Friendship Hospital Capital Medical University No. 95 Yong-an Road, Xicheng District 100050

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Study site number	IRB or EC*
9508	Ethics Committee of Huashan Hospital, Fudan University No.12, Wulumuqi Middle Road 200040
9510	Medical Ethics Committee of Xiangya Hospital Central South University No. 87 Xiangya Road 410008
9511	Ethics Committee of The First Hospital of China Medical University No. 155 Nanjing North Street Heping District 110001
Czechia	
2601, 2603, 2604	Eticka komise VFN v Praze Na Bojisti 1 128 08
2602	Lokalni eticka komise FN Plzen E. Benese 13 305 99
Germany	
1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610	Ethikkommission der MHH Carl-Neuberg-Strasse 1 30625
Greece	
1701, 1702, 1703, 1704, 1705, 1706	National Organization of Medicines (E.O.F.) and National Ethics Committee (E.E.D) Mesogion 284 15562
Hong Kong	
9801	HKU/HA HKW IRB 102 Pokfulam Road 999077

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Study site number	IRB or EC*
9802	Joint Chinese University of Hong Kong- New territories East Cluster CREC 8/F Lui Che Woo Clinical Science Building
Hungary	
2701, 2702, 2703, 2704, 2705	Egeszsegugyi Tudomanyos Tanacs Klinikai Farmakologiai Etikai Bizottsag Alkotmany utca 25 1054
Ireland	
2001, 2002, 2003	Clinical Research Ethics Committee of Cork Teaching Hospitals 6 Little Hanover Street National Office for Research Ethics Committees 67-72 Lower Mount Street Dublin 2, D02H638
Israel	
1801	Sheba Medical Center Tel Hashomer 5262100
1802	Helsinki Committee Rabin Medical Center 39 Jabotinski St. 4941492
1803	Ichilov Sourasky Tel Aviv Medical Center 6 Weitzman Street 64239
1805	Helsinki Committee HaEmek Medical Center Rabin Blvd. Afula, 1834111 18101
1806	Soroka Medical Center Rager Boulevard, P.O.B. 151 85025
Italy	

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Study site number	IRB or EC*
1901	Comitato Etico Milano Area 2 Via Francesco Sforza, 28 20122
1902	Comitato Etico Catania 1 Via S. Sofia 78 95123
1903	Comitato Etico Regionale delle Marche (C.E.R.M.) Via Caduti del Lavoro n. 40 60131
1904	COMITATO ETICO DELL UNIVERSITA FEDERICO II Via Sergio Pansini, 5 80131
1905	Comitato Etico Indipendente dell' Istituto Clinico Humanitas Via Alessandro Manzoni 56 20089
1906	Comitato Etico della Fondazione A. Gemelli Università Cattolica del Sacro Cuore Largo Agostino Gemelli, 8 00168
Japan	
9901	National Hospital Organization Sagamihara National Hospital IRB 18-1, Sakurada, Minami-ku 252-0392
9902	Tohoku University Hospital Institutional Review Board 1-1 Seiryomachi Aoba-ku 980-8574
9903	Jichi Medical University Hospital Institutional Review Board 3311-1, Yakushiji 329-0498
9904	NAKAMEGURO ATLAS CLINIC IRB 1-26-1 Kamimeguro 153-0051

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Study site number	IRB or EC*
9905	Chukyo Hospital Institutional Review Board 1-1-10 Sanjo, Minami-ku 457-8510
9906	Institutional Review Board of Kyoto University Hospital 54 Kawaharacho, Shogoin, Sakyo-ku 606-8507
9907	Tokai University Hospital Institutional Review Board 143 Shimokasuya 259-1193
9908	Japan Conference of Clinical Research 2-27-17, Minamiikebukuro 171-0022
9909	Hiroshima University Hospital Institutional Review Board 1-2-3 Kasumi, Minami-ku 734-8551
9910	Osaka Habikino Medical Center IRB 3-7-1, Habikino 583-8588
9911	Nihonbashi Sakura Clinic Institutional Review Board 1-9-2, Nihonbashi Kayabacho 103-0025
9912	Joint Institutional Review Board 1-14, Minamikubo 780-0087
9913	Review Board of Human Rights and Ethics for Clinical Studies Institutional Review 13-2 Ichibancho 102-0082
9914	Atago dermatology clinic institutional review board 1-1-35, Shibadaimon 1690075
New Zealand	

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Study site number	IRB or EC*
9601	Health and Disability Ethics Committees 133 Molesworth St 6011
Norway	
2201, 2202, 2203, 2204	REK-vest Haukelandsveien 28 5021
Slovakia	
2801, 2802, 2803, 2804	Eticka komisia FNsP F.D. Roosevelta Namestie L. Svobodu 1 975 17
Spain	
2301, 2302, 2303, 2304, 2305, 2306	CEIm Hospital Universitario 12 de Octubre Avenida de Cordoba, S/N 28041
Sweden	
2401, 2402, 2403, 2404	Etikprovningsmyndigheten Box 2110 750 02 Regionala Etikprovningsnamnden i Stockholm Tomtebodavaegen 18A, plan3, 171 65 Solna SE-171 77
United Kingdom	
2501, 2502, 2503, 2504, 2505, 2506, 2507	London - London Bridge Research Ethics Committee 2 Redman Place E201JQ
United States	

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Study site number	IRB or EC*
1001, 1029	Advarra 6100 Merriweather Dr. 21044
1001, 1002, 1003, 1004, 1006, 1007,1009, 1010, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1021, 1021, 1022, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1035, 1036, 1041, 1045, 1047, 1049, 1050, 1052,1053, 1054, 1055, 1057, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068	Quorum Institutional Review Board 1501 Fourth Avenue 98101
1008, 1009, 1017, 1026, 1027, 1033, 1034, 1041, 1053, 1071	Advarra-d 6940 Columbia Gateway Drive 21046
1019	Northwestern University IRB Office, Biomedical IRB 750 North Lake Shore Drive, 7th floor 60611
1024, 1038, 1039	Western Institutional Review Board (WIRB) 1019 39th Ave 98374-2115
1042, 1043	The Committee for the Protection of Human Subjects 63 South Main Street 03755
1044	Human Research Protection Program (HRPP) Office of Research Compliance, Indiana University 980 Indiana Avenue 46202
1058	Eastern Virginia Medical School 721 Fairfax Avenue 23507

*Name of IRB or EC and mailing address

Supplemental Table 2. Pearson correlations and 95% confidence intervals between Patient Global Impression of Severity and scores from the WP-NRS, ADerm-SS, and ADerm-IS

Score	Adults		Adolescents	
	r	95% CI	r	95% CI
Week 2 correlations with PGIS				
WP-NRS	0.69	0.65-0.73	0.57	0.43-0.68
ADerm-SS Skin Pain	0.65	0.61-0.69	0.49	0.33-0.62
ADerm-SS TSS-7	0.73	0.69-0.76	0.54	0.39-0.66
ADerm-IS Sleep	0.61	0.56-0.65	0.50	0.35-0.63
ADerm-IS Daily Activities	0.70	0.66-0.73	0.61	0.48-0.72
ADerm-IS Emotional State	0.67	0.63-0.71	0.53	0.38-0.65
Week 4 correlations with PGIS				
WP-NRS	0.77	0.74-0.80	0.60	0.47-0.71
ADerm-SS Skin Pain	0.70	0.66-0.74	0.51	0.36-0.64
ADerm-SS TSS-7	0.76	0.73-0.79	0.58	0.44-0.70
ADerm-IS Sleep	0.69	0.65-0.73	0.55	0.41-0.67
ADerm-IS Daily Activities	0.73	0.69-0.76	0.58	0.44-0.70
ADerm-IS Emotional State	0.68	0.64-0.72	0.49	0.33-0.62

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Score	Adults		Adolescents	
	r	95% CI	r	95% CI
Week 16 correlations with PGIS				
WP-NRS	0.76	0.72-0.79	0.70	0.57-0.80
ADerm-SS Skin Pain	0.68	0.63-0.72	0.70	0.57-0.80
ADerm-SS TSS-7	0.79	0.76-0.82	0.68	0.55-0.78
ADerm-IS Sleep	0.67	0.62-0.71	0.65	0.51-0.76
ADerm-IS Daily Activities	0.72	0.68-0.76	0.63	0.49-0.74
ADerm-IS Emotional State	0.69	0.65-0.73	0.55	0.39-0.68

Note: ADerm IS=Atopic Dermatitis Impact Scale, ADerm-SS=Atopic Dermatitis Symptom Scale, 95% CI=95% confidence interval; PGIS=Patient Global Impression of Severity, TSS-7=7-Item Total

Symptom Score, WP-NRS=Worst Pruritus Numerical Rating Scale.