

Improvement in Patient-Reported Symptoms and Quality of Life With Abrocitinib Versus Dupilumab in Adults With Moderate-to-Severe Atopic Dermatitis Who Received Background Topical Therapy: Results of a 26-Week, Randomized, Head-to-Head Trial

Jacob P. Thyssen,¹ H. Chih-ho Hong,² Marjolein de Bruin-Weller,³ Roland Aschoff,⁴ April W. Armstrong,⁵ Raj Chovatiya,⁶ Christian Vestergaard,⁷ Ricardo Rojo,⁸ Hernan Valdez,⁹ Fan Zhang,⁸ Ankur Bhambri,¹⁰ Daniela E. Myers,¹⁰ Kimberly Watson,¹⁰ Erman Guler,¹¹ Claire Clibborn,¹² Marco DiBonaventura⁹

¹Bispebjerg Hospital, University of Copenhagen, Copenhagen, Denmark; ²University of British Columbia, Vancouver, BC, Canada; ³UMC Utrecht, Utrecht, Netherlands; ⁴University Hospital Carl Gustav Carus, Dresden, Germany; ⁵Keck School of Medicine, University of Southern California, CA, USA; ⁶Feinberg School of Medicine, Northwestern University, Chicago, IL, USA; ⁷Aarhus University, Aarhus, Denmark; ⁸Pfizer Inc., Groton, CT, USA; ⁹Pfizer Inc., New York, NY, USA; ¹⁰Pfizer Inc., Collegeville, PA, USA; ¹¹Pfizer Inc., Istanbul, Turkey; ¹²Pfizer Ltd., Tadworth, Surrey, United Kingdom

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Disclosures

JPT is an advisor for AbbVie, Almirall, Arena Pharmaceuticals, Coloplast, OM Pharma, ASLAN Pharmaceuticals, Union Therapeutics, Eli Lilly and Company, LEO Pharma, Pfizer, Regeneron, and Sanofi-Genzyme; a speaker for AbbVie, Almirall, Eli Lilly and Company, LEO Pharma, Pfizer Inc., Regeneron, and Sanofi-Genzyme; and received research grants from Pfizer, Regeneron, and Sanofi-Genzyme.

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MB is a consultant, advisory board member, and/or speaker for Pfizer Inc., AbbVie, Almirall, Eli Lilly and Company, Galderma, Janssen, LEO Pharma, Regeneron, Sanofi-Genzyme, and UCB.

RA is a consultant for Pfizer Inc., Biofrontera, Leo, and Sanofi and has received speaker fees from Alma Lasers, Biofrontera, Galderma, LEO Pharma, and Sanofi.

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RC has been an advisor, speaker, and/or consultant for AbbVie, Arena, Arcutis, Incyte, Pfizer Inc., Regeneron, and Sanofi-Genzyme.

CV is an investigator, speaker, and/or advisor for LEO Pharma, Novartis, Sanofi-Genzyme, AbbVie, Eli Lilly and Company, and Pierre Fabre.

RR is a former employee and shareholder of Pfizer Inc.

HV, FZ, AB, DEM, KW, EG, and MD are employees and shareholders of Pfizer Inc.

CC is an employee and shareholder of Pfizer Ltd.

Introduction and Methods

Background

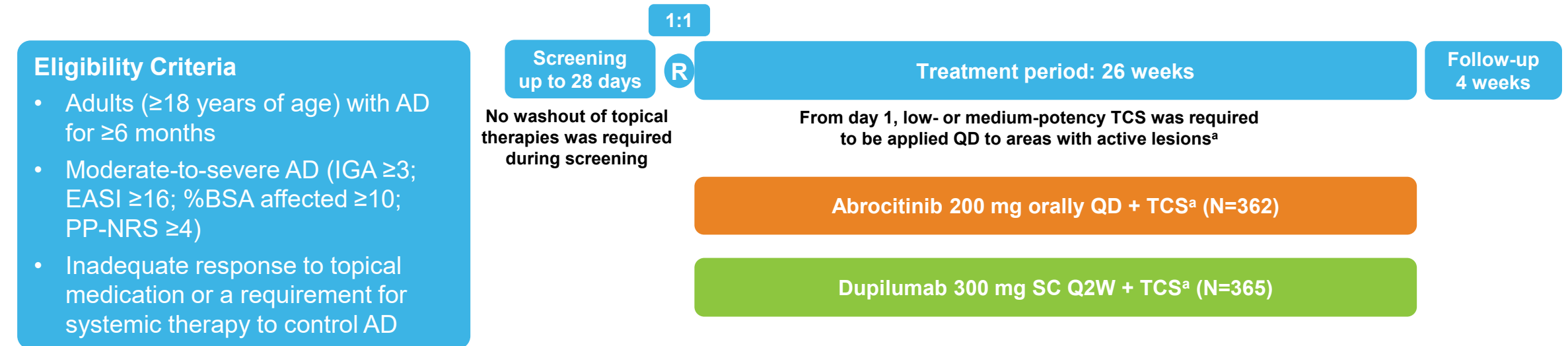
Abrocitinib was superior to dupilumab in providing itch relief at week 2 (primary endpoint) and reducing the area and severity of AD at weeks 4 and 16 (primary and key secondary endpoints) in adults with moderate-to-severe AD in the head-to-head JADE DARE trial

Objective

To summarize patient-reported signs, symptoms, and dermatologic HRQoL in patients from the phase 3b JADE DARE trial

JADE DARE Study Design

Multicenter, phase 3b, randomized, double-blind, double-dummy, active-controlled trial (NCT04345367)



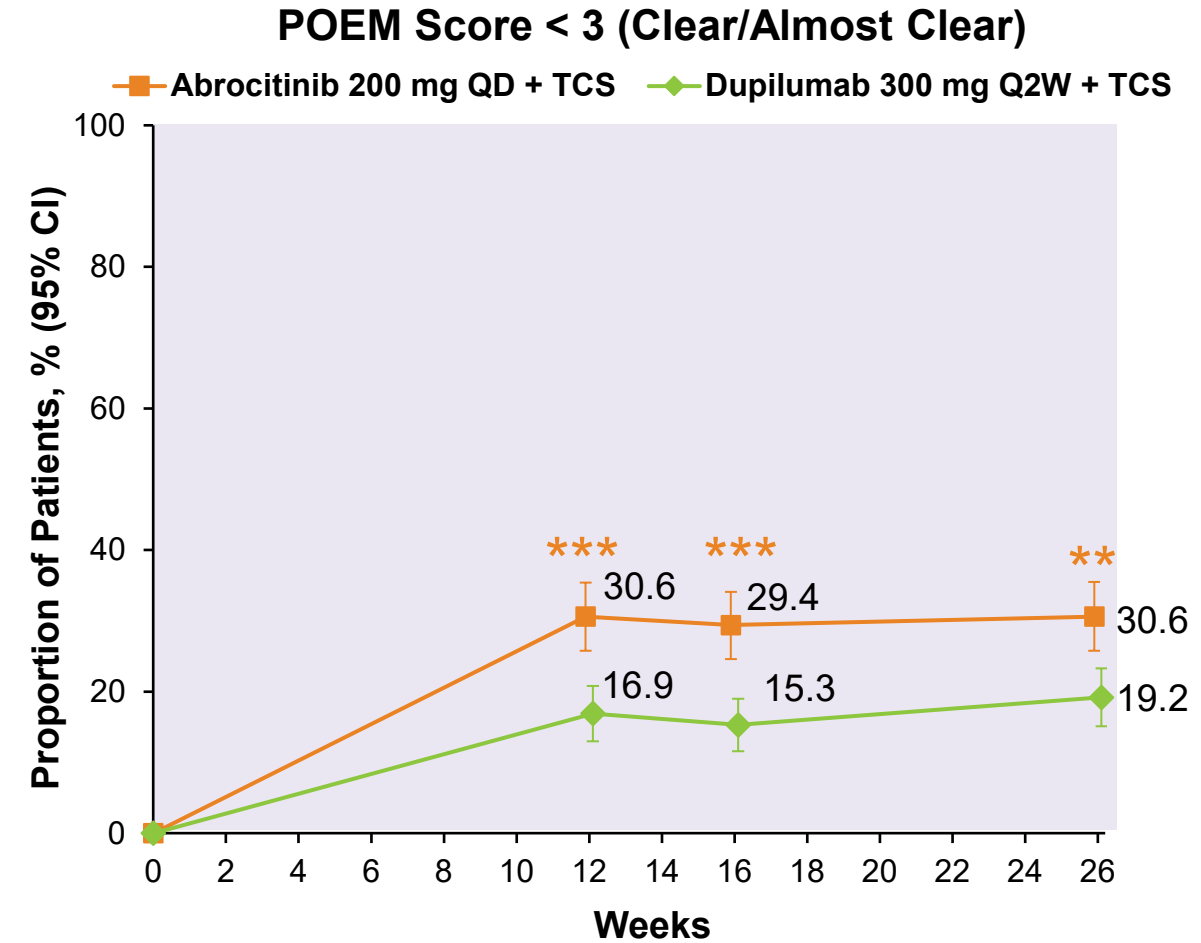
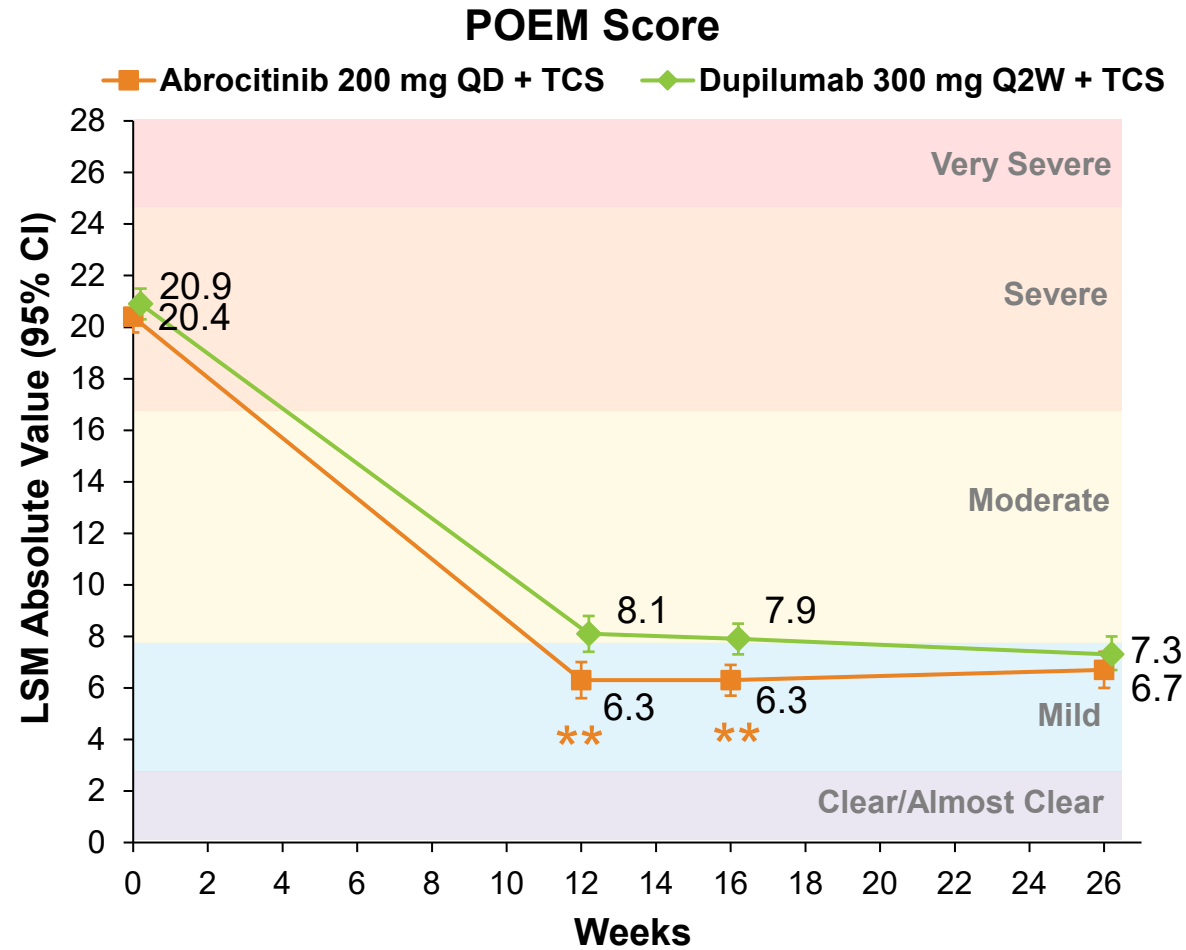
AD, atopic dermatitis; %BSA, percentage of body surface area; EASI, Eczema Area and Severity Index; HRQoL, health-related quality of life; IGA, Investigator's Global Assessment; PP-NRS, Peak Pruritus Numerical Rating Scale; Q2W, once every other week; QD, once daily; R, randomization; SC, subcutaneously; TCS, topical corticosteroid(s).

PP-NRS © Regeneron Pharmaceuticals, Inc. and Sanofi (2017).

^aTopical calcineurin inhibitors or a phosphodiesterase-4 inhibitor were permitted to be used instead of TCS in body areas of thin skin or if continued treatment with TCS was considered unsafe.

Nonmedicated topical emollients were required to be applied at least twice daily to all body areas affected with AD.

Proportion of Patients Reporting Clearance of AD Signs and Symptoms Was Higher With Abrocitinib Than With Dupilumab



LSM, least squares mean; POEM, Patient-Oriented Eczema Measure.

** $P < 0.01$, *** $P < 0.0001$. P values are not controlled for multiplicity.

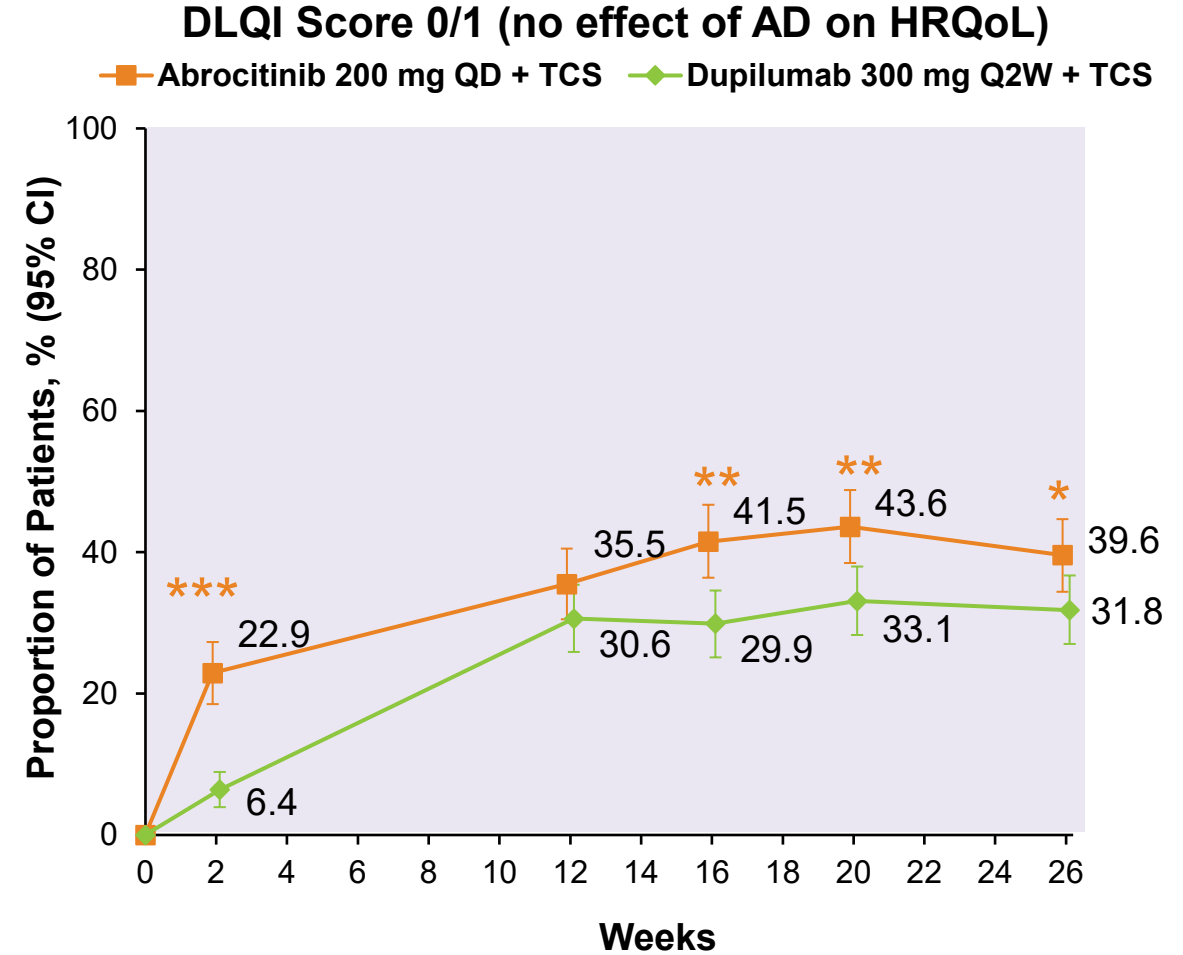
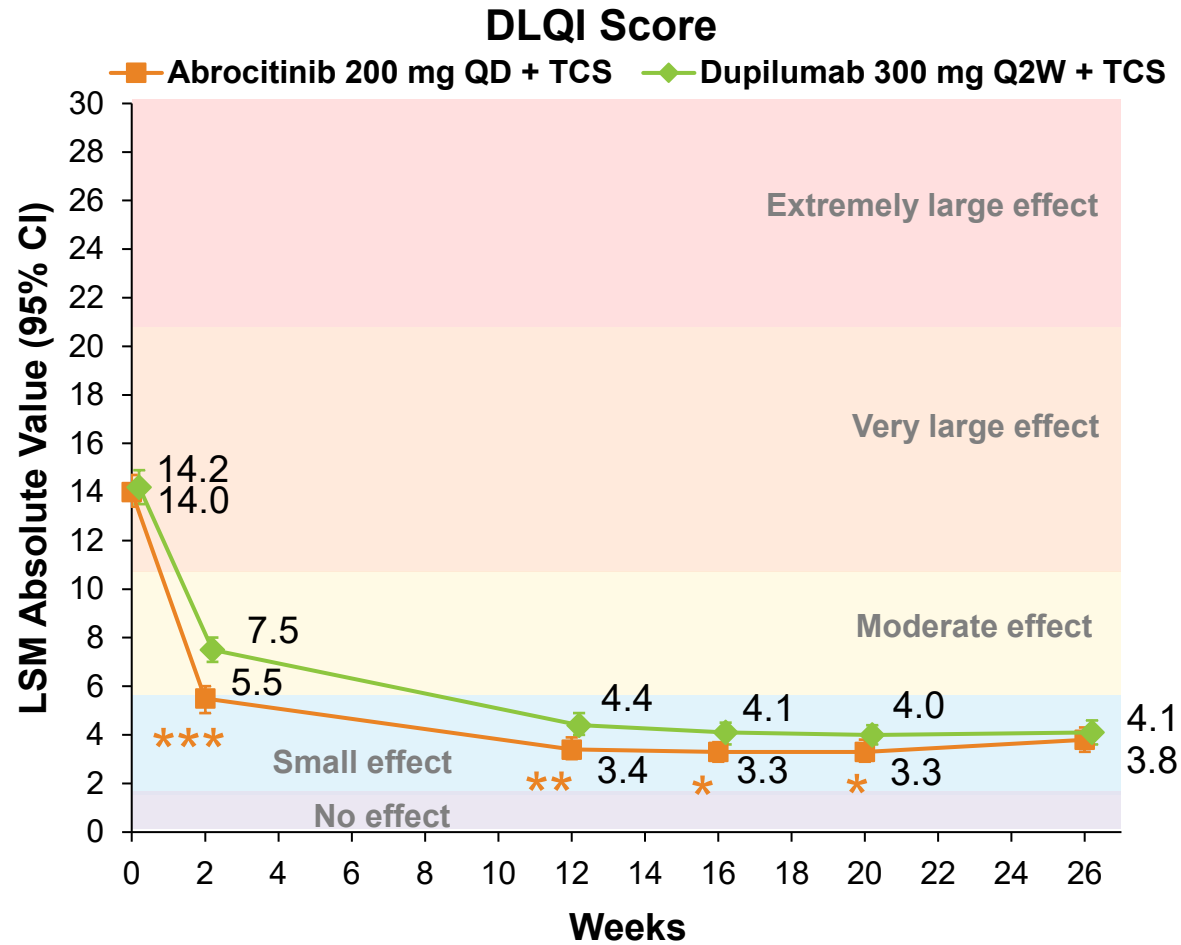
POEM scores range from 0 to 28; a score of 0 to 2 indicates clear/almost clear, 3 to 7 indicates mild, 8 to 16 indicates moderate, 17 to 24 indicates severe, and 25 to 28 indicates very severe (Charman et al. *Br J Dermatol.* 2013;169:1326-32).

A 4-point improvement in POEM is considered the minimal clinically important difference (Schram et al. *Allergy.* 2012;67:99-106).

POEM scores in each treatment group were analyzed using mixed model for repeated measures, with fixed factors of treatment, visit, treatment by visit interaction, baseline disease severity, and an unstructured covariance matrix. Data were analyzed in the full analysis set (all randomly assigned patients who received ≥ 1 dose of study medication). Data collected after dropout or the use of rescue therapy were censored.

Proportions of patients with POEM scores of < 3 in each treatment group were analyzed in the full analysis set (all randomly assigned patients who received ≥ 1 dose of study medication) with baseline POEM scores of ≥ 3 . If a patient withdrew from the study or used rescue therapy, the patient was counted as a nonresponder after that point. P values were calculated using the Cochran-Mantel-Haenszel method adjusted by baseline disease severity.

Proportion of Patients Reporting No Effect of AD on Their Dermatologic Health-Related Quality of Life Was Higher With Abrocitinib Than With Dupilumab



DLQI, Dermatology Life Quality Index.

* $P < 0.05$, ** $P < 0.01$, *** $P < 0.0001$. P values are not controlled for multiplicity.

DLQI scores range from 0 to 30; a score of 0 or 1 indicates no effect, 2 to 5 indicates a small effect, 6 to 10 indicates a moderate effect, 11 to 20 indicates a very large effect, and 21 to 30 indicates an extremely large effect (Basma et al. *Br J Dermatol.* 2008;159:997-1035).

A 4-point improvement in DLQI score is considered the minimal clinically important difference (Basma et al. *Dermatology.* 2015;230:27-33).

DLQI scores in each treatment group were analyzed using mixed model for repeated measures contained fixed factors of treatment, visit, treatment by visit interaction, baseline disease severity, and an unstructured covariance matrix. Data were analyzed in the full analysis set (all randomly assigned patients who received ≥ 1 dose of study medication). Data collected after dropout or the use of rescue therapy were censored.

Proportions of patients with DLQI scores of 0 or 1 in each treatment group were analyzed in the full analysis set (all randomly assigned patients who received ≥ 1 dose of study medication) with baseline DLQI scores of ≥ 2 . If a patient withdrew from the study or used rescue therapy, the patient was counted as a nonresponder after that point. P values were calculated using the Cochran-Mantel-Haenszel method adjusted by baseline disease severity.

Conclusions

- In patients with moderate-to-severe AD receiving background medicated topical therapy, abrocitinib treatment for up to 26 weeks was associated with greater improvements in patient-reported signs, symptoms, and dermatologic HRQoL than dupilumab
 - Proportion of patients achieving a clearance of AD signs and symptoms (“clear/almost clear” per POEM) was significantly higher for abrocitinib versus dupilumab across all time points
 - Proportion of patients reporting no effect of AD on their dermatologic HRQoL was significantly higher for abrocitinib versus dupilumab across all time points except for week 12