

Efficacy and Safety Trends With Continuous Long-Term Use of Crisaborole Ointment, 2%, in Patients With Mild-to-Moderate Atopic Dermatitis

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**Presented at the American Academy of Dermatology 2020 Annual Meeting;
March 20-24, 2020; Denver, Colorado**



Disclosures and Acknowledgments

Disclosures

MGL is an employee of Mount Sinai, which receives research funds from Pfizer Inc., AbbVie, Amgen, Bausch Health (Valeant), Boehringer Ingelheim, Celgene, Clinuvel, Eli Lilly, Incyte, Janssen/Johnson & Johnson, Kadmon, LEO Pharma, Medimmune/AstraZeneca, Novartis, Sciderm, UCB, and Vidac; is a consultant for Pfizer Inc., Allergan, Aqua Pharmaceuticals, Arcutis, Avotres, BirchBioMed, BMD Skincare, Boehringer Ingelheim, Bristol-Myers Squibb, Cara Therapeutics, Castle Biosciences, Dermavant, EMD Serono, Evelo, FIDE, Inozyme Pharma, LEO Pharma, Meiji Seika Pharma, Menlo Therapeutics, Mitsubishi Tanabe Pharma, NeuroDerm, Promius, Theravance Biopharma, and Verrica; and received honoraria from Corrona and FIDE. AAH is an employee of UTHealth McGovern School of Medicine, which receives research funds from Pfizer Inc., Anacor, Brickell, Cutanea, Dermira, GSK, and Novan; has received honoraria as a member of data safety monitoring boards for Bausch Health (Valeant), GSK, and Regeneron-Sanofi; and has received honoraria from Pfizer Inc., Biofrontera, Cutanea, Dermira, Galderma, Eli Lilly, Ortho Dermatologics, and Pierre Fabre. LM is a consultant for Pfizer Inc., Regeneron, and Sanofi and is a speaker for Pfizer Inc., Amgen, Eli Lilly, and Novartis. LT, JLW, CZ, and PS are employees and stockholders of Pfizer Inc. BG has worked as a consultant for Pfizer Inc., and Genentech; as a speaker/consultant for Regeneron, Sanofi-Genzyme, CSL Behring, and Horizon Therapeutics; and is on advisory boards for and Novartis and Shire.

Acknowledgments

Editorial/medical writing support under the guidance of the authors was provided by Robert Schoen, PharmD, and Jennifer C. Jaworski, MS, at ApotheCom, San Francisco, CA, USA, and was funded by Pfizer Inc., New York, NY, USA, in accordance with Good Publication Practice (GPP3) guidelines (*Ann Intern Med.* 2015;163:461-464). This analysis was funded by Pfizer Inc.

Introduction, Methods, and Baseline Characteristics

Introduction

- AD is a chronic inflammatory skin disease that often requires long-term treatment
- Crisaborole is a nonsteroidal PDE4 inhibitor for the treatment of mild-to-moderate AD

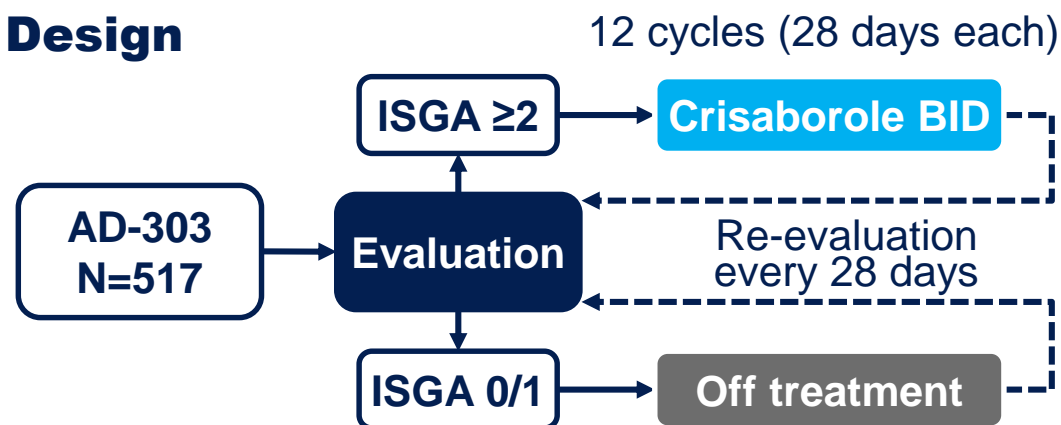
Objective

- Assess efficacy and safety of crisaborole for long-term use in patients aged ≥ 2 years with mild-to-moderate AD

Methods

- Patients who completed AD-301 (NCT02118766) or AD-302 (NCT02118792) (28-day, double-blind, vehicle-controlled phase 3 studies) without safety concerns were eligible to enroll in AD-303 (48-week, open-label, phase 3 extension study)
- Post hoc analysis of AD-303
 - Patients were stratified by number of initial consecutive on-treatment cycles (1, 2, 3, or 4 cycles) into cohorts 1 through 4, respectively

Study Design

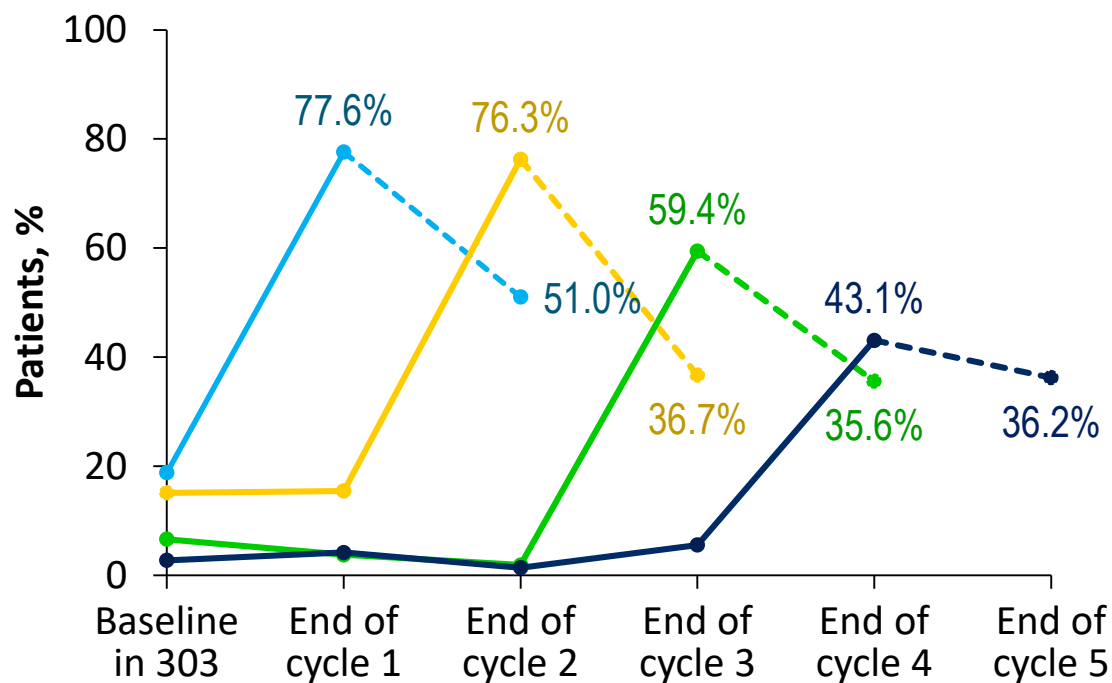


Baseline in AD-303	Cohort 1 N=133	Cohort 2 N=106	Cohort 3 N=106	Cohort 4 N=73
Age, mean (SD), years	11.4 (10.1)	13.7 (12.2)	10.9 (9.9)	11.0 (9.8)
White race, n (%)	85 (63.9)	67 (63.2)	66 (62.3)	40 (54.8)
%BSA, mean (SD)	18.3 (18.8)	18.4 (16.4)	20.6 (19.6)	19.6 (17.3)
ISGA, n (%)				
Clear (0)	7 (5.3)	6 (5.7)	3 (2.8)	1 (1.4)
Almost clear (1)	18 (13.5)	10 (9.4)	4 (3.8)	1 (1.4)
Mild (2)	61 (45.9)	47 (44.3)	46 (43.4)	21 (28.8)
Moderate (3)	44 (33.1)	42 (39.6)	50 (47.2)	46 (63.0)
Severe (4)	3 (2.3)	1 (0.9)	3 (2.8)	4 (5.5)

Efficacy Results

Patients Achieving ISGA 0/1 at the End of Each On-Treatment Cycle and After 28 Days Off Treatment

Cohort 1 —●— ON treatment - - -●- - OFF treatment
Cohort 2 —●— ON treatment - - -●- - OFF treatment
Cohort 3 —●— ON treatment - - -●- - OFF treatment
Cohort 4 —●— ON treatment - - -●- - OFF treatment



	Cohort 1	Cohort 2	Cohort 3	Cohort 4
Restarted treatment				
n/N (%)	80/133 (60.2)	68/106 (64.2)	79/106 (74.5)	60/73 (82.2)
Consecutive cycles off treatment				
Mean (SD)	2.2 (2.7)	1.7 (2.4)	1.6 (1.8)	2.1 (1.9)
Median (range)	1.0 (0-11)	1.0 (0-10)	1.0 (0-9)	1.0 (0-8)
Achieved ISGA 0/1 at end of first retreatment cycle				
n/N (%)	42/80 (52.5)	26/68 (38.2)	29/79 (36.7)	14/60 (23.3)

Safety Results and Conclusions



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All-Cause and Treatment-Related Adverse Events (AEs) by Cohort

	Cohort 1 N=133	Cohort 2 N=106	Cohort 3 N=106	Cohort 4 N=73
Treatment-Emergent AEs (TEAEs)				
Any TEAE, n (%)	25 (18.8)	33 (31.1)	35 (33.0)	31 (42.5)
Most frequently reported (≥5% in any group), n (%)				
Dermatitis atopic	5 (3.8)	5 (4.7)	8 (7.5)	5 (6.8)
Cough	3 (2.3)	1 (0.9)	2 (1.9)	5 (6.8)
Upper respiratory tract infection	4 (3.0)	2 (1.9)	4 (3.8)	5 (6.8)
Viral upper respiratory tract infection	1 (0.8)	3 (2.8)	6 (5.7)	1 (1.4)
Treatment-Related AEs (TRAEs)				
Any TRAE, n (%)	6 (4.5)	5 (4.7)	4 (3.8)	1 (1.4)
Most frequently reported (≥2% in any group), n (%)				
Dermatitis atopic	2 (1.5)	4 (3.8)	1 (0.9)	1 (1.4)
Treatment-related application site reactions, n (%)				
Application site dermatitis	0	0	0	0
Application site pain	1 (0.8)	1 (0.9)	2 (1.9)	0
Application site paraesthesia	1 (0.8)	0	0	0
Application site pruritus	0	0	2 (1.9)	0

Conclusions

- Some patients, particularly those with greater disease severity, may require longer periods of treatment to achieve ISGA clear/almost clear (ie, twice daily for up to 4 cycles)
- Upon discontinuing therapy, some patients maintain ISGA clear/almost clear for ~1-2 months (ie, had 1 or 2 off-treatment cycles before restarting); ISGA clear/almost clear was re-achieved upon restarting therapy
- No new safety signals were observed with crisaborole being used for multiple consecutive cycles