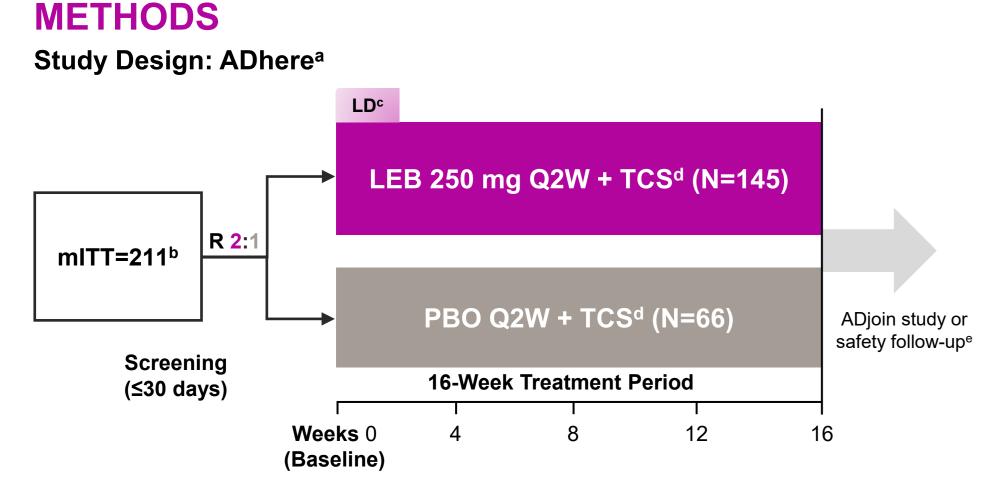
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BACKGROUND

- AD is a chronic skin disease that can be a serious burden, affecting sleep, daily activities, and social relationships¹
- Dupilumab is used to treat moderate-to-severe AD; however, not all patients treated with dupilumab achieve and maintain clinically meaningful response²
- Lebrikizumab is a novel monoclonal antibody targeting IL-13 that selectively prevents the formation of the IL-13Rα1/IL-4Rα heterodimer receptor signaling complex³
- Lebrikizumab has demonstrated efficacy and a positive benefit-risk profile:
- As a monotherapy in patients with moderate-to-severe AD at the 16-week primary endpoint in the 2 Phase 3, randomized, double-blind, placebo-controlled trials (ADvocate1 and ADvocate2)⁴
- In a TCS combination study in patients with moderate-to-severe AD at the 16-week endpoint in the Phase 3, randomized, double-blind, placebo-controlled ADhere study (NCT04250337)⁵

OBJECTIVE

• To evaluate the efficacy of lebrikizumab in the subset of patients with prior dupilumab exposure and moderate-to-severe AD in the ADhere TCS combination study



^a Patients in ADhere were permitted to use dupilumab ≥8 weeks prior to the ADhere study; ^b Efficacy analyses used the mITT population; ^c LEB-treated patients received a 500-mg LD at Weeks 0 and 2; ^d Use of TCS was required and TCS were provided within the trial; use could be tapered and stopped and then resumed as needed at the patient's discretion; e Patients completing the study could enter the ADjoin extension study or complete a safety follow-up 12 weeks after their last dose

Key Eligibility Criteria

- Adults or adolescents (\geq 12 to <18 years; weight \geq 40 kg)
- Diagnosis of AD, as defined by the American Academy of Dermatology Consensus Criteria, for ≥1 year before screening
- Moderate-to-severe AD, defined as having all the following at the baseline visit:
- EASI ≥16
- IGA ≥3
- BSA involvement ≥10%
- Candidate for systemic therapy

REFERENCES

- 1. Grant L, et al. Dermatitis. 2019;30:247-254
- 2. Narla S, et al. J Am Acad Dermatol. 2021;86:628-636.
- 3. Ultsch M, et al. J Mol Biol. 2013;425:1330-1339. 4. Silverberg JI, et al. N Engl J Med. 2023;388:1080-1091.
- 5. Simpson EL, et al. *J Am Acad Dermatol*. 2018;78:863-871.e11.
- 6. Yosipovitch G, et al. Presentation at: RAD 2021.

ABBREVIATIONS

AD=atopic dermatitis; BMI=body mass index; BSA=body surface area; EASI=Eczema Area and Severity Index; EASI 75=75% improvement from baseline in EASI; IGA=Investigator's Global Assessment; IGA (0,1)=IGA response of clear or almost clear; IL=interleukin; LD=loading dose; LEB=lebrikizumab; mITT=modified Intent-to-Treat; NRS=Numeric Rating Scale; PBO=placebo; Q2W=every 2 weeks; R=randomization; SD=standard deviation; TCS=topical corticosteroid(s)

Outcomes

^a In patients with Pruritus NRS ≥4 at baseline

Analysis Population

Statistical Analyses

- observed results

- DISCLOSURES
- Therapeutics, and Sanofi

Lebrikizumab Provides Clinically Meaningful Improvements in Atopic Dermatitis in Patients Previously Treated With Dupilumab

SUMMARY OF KEY FINDINGS

Of patients^a with prior dupilumab exposure who were treated with LEB 250 mg Q2W + TCS:

13/18 6/18 Achieved IGA (0,1) at Week 16

Achieved EASI 75 at Week 16

Achieved Pruritus NRS ≥4-point improvement^b at Week 16

This analysis suggests that patients with prior dupilumab exposure may respond to treatment of moderate-to-severe AD with lebrikizumab + TCS

^a With non-missing values at Week 16; ^b In patients who had Pruritus NRS ≥4 points at baseline

■ IGA (0,1) with ≥2-point improvement from baseline, indicating clear or almost clear skin

• EASI 75, a measure of clinical impact according to the validated EASI scoring system

Percentage of patients achieving \geq 4-point reduction^a in Pruritus NRS, an assessment of clinical impact⁶

This analysis includes a subset of patients in the lebrikizumab treatment group (N=20) who had prior exposure to dupilumab

Reasons for discontinuation of dupilumab included:

Loss of response or inadequate response (N=10)

Patient decision (N=4)

Intolerance to medication (N=1)

 Other (N=5), including affordability, treatment availability, or unspecified reasons

ADhere efficacy analyses were performed on a modified population, excluding 17 patients (from a single study site) whose eligibility could not be confirmed

All analyses were descriptive summaries using

 Observed results excluded data collected after use of rescue medication or treatment discontinuation

Patients with non-missing values were analyzed for each efficacy measure at Week 16

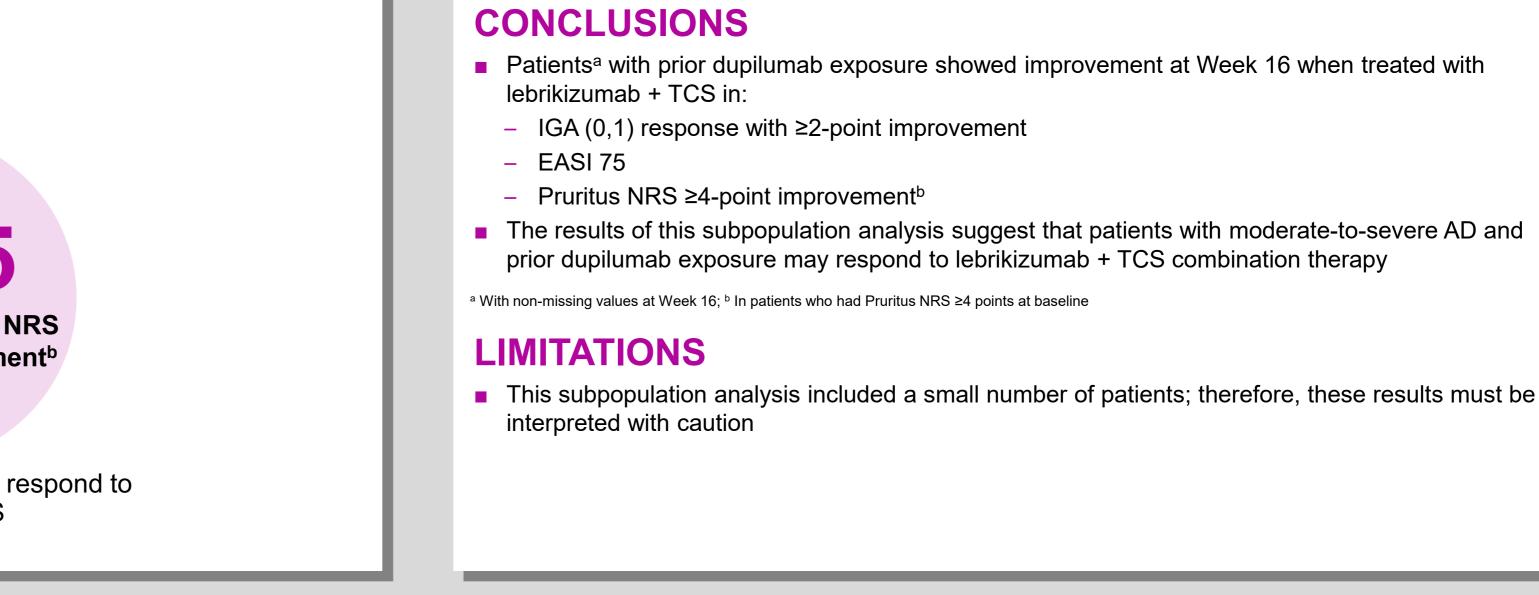
RESULTS

Baseline Demographics and Disease Characteristics

	ADhere Patients With Prior Dupilumab Use	ADhere Overall Population
	LEB 250 mg Q2W + TCS (N=20)	LEB 250 mg Q2W + TCS (N=145)
Age, years	46.0 (17.3)	37.5 (19.9)
Adults (≥18 years), n (%)	19	113 (77.9)
Adolescents (≥12 to <18 years), n (%)	1	32 (22.1)
Female, n (%)	7	70 (48.3)
Region, n (%)		
USA	19	103 (71.0)
Rest of world	1	42 (29.0)
Race, n (%)		
White	10	90 (62.1)
Asian	3	18 (12.4)
Black	2	19 (13.1)
Other	5	18 (12.4)
BMI, kg/m²	28.8 (7.2)	26.5 (7.2)
Disease duration since AD diagnosis, years	27.0 (22.5)	21.0 (17.4)
Use of TCS, n (%)	20	145 (100)
IGA, n (%)		
3 (Moderate)	13	98 (67.6)
4 (Severe)	7	47 (32.4)
EASI	25.9 (8.1)	27.7 (11.1)
BSA % involvement	37.3 (15.7)	40.4 (21.9)
Pruritus NRS, n (%)		
<4	0 ^a	9 (6.5) ^b
≥4	18 (100)ª	130 (93.5) ^b

Note: Data are mean (SD) unless stated otherwise

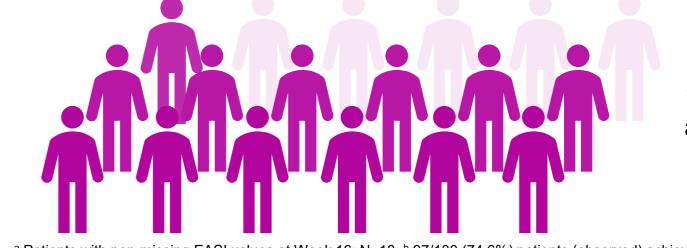
• L. Stein Gold is an investigator and/or consultant and/or speaker for: AbbVie, Amgen, Arcutis, Bristol Myers Squibb, Dermavant, Eli Lilly and Company, Galderma, Incyte Corporation, Janssen, Novartis, Ortho Dermatologics, Pfizer, Regeneron, Sanofi, and UCB Pharma; J. Gutermuth has conducted clinical trials and/or has been an advisory board member and/or speaker for: AbbVie, Almirall, Eli Lilly and Company, Galderma, Incyte Corporation, Janssen, Novartis, Ortho Dermatologics, Pfizer, Regeneron, Sanofi, and UCB Pharma; J. Gutermuth has conducted clinical trials and/or has been an advisory board member and/or speaker for: AbbVie, Almirall, Eli Lilly and Company, Galderma, Janssen, LEO Pharma, Pfizer, Regeneron, and Sanofi Genzyme; D. Adam has been an investigator, speaker, or advisory board member for: AbbVie, Actelion, Amgen, Arcutis, Bausch Health, Boehringer Ingelheim, Bristol Myers Squibb, Celgene, Coherus BioSciences, Dermavant, Dermira, Eli Lilly and Company, Galderma, Incyte Corporation, Janssen, LEO Pharma, Merck, Novartis, Pfizer, Regeneron, Reistone Biopharma, Sanofi Genzyme, Sun Pharma, and UCB Pharma; C. Flohr is Chief Investigator of: the UK-Irish Atopic Eczema Systemic Therapy Register and the UK National Institute for Health Research-funded TREAT and SOFTER trials; Principal Investigator in: the European Union Horizon 2020-funded BIOMAP Consortium; leads: the EU Horizon 2020 Joint Program Initiative-funded Trans-Foods consortium; and/or has received funding from: Pfizer and Soft Sanofi Genzyme; S. Weidinger is a speaker, advisory board member, and/or investigator for: AbbVie, Almirall, Boehringer Ingelheim, Eli Lilly and Company, Galderma, Pfizer, and Soft Sanofi Genzyme; S. Weidinger is a speaker, advisory board member, and/or investigator for: AbbVie, Almirall, Boehringer Ingelheim, Eli Lilly and Company, Galderma, Pfizer, and Soft Sanofi Genzyme; S. Weidinger is a speaker, advisory board member, and/or investigator for: AbbVie, Almirall, Boehringer Ingelheim, Eli Lilly and Company, Galderma, Pfizer, and Soft Sanofi Genzyme; Sanofi G Sanofi; A. R. Atwater, E. Pierce, F. E. Yang, and S. Chen are employees and shareholders of: Eli Lilly and Company; I. Pau-Charles is a current employee and shareholder of: Almirall; L. A. Beck is an advisory board member or consultant for: Allakos, Amgen, Arena Pharmaceuticals, AstraZeneca, Cara Therapeutics, DermTech, Evelo Biosciences, Galderma, GlaxoSmithKline, Incyte Corporation, Janssen, LEO Pharma, Merck, Numab Therapeutics, Pfizer, RAPT Therapeutics, Regeneron, Ribon Therapeutics, Sanofi-Aventis, Sanofi Genzyme, Stealth BioTherapeutics, and Principal Investigator for clinical studies supported by: AbbVie, AstraZeneca, DermTech, Kiniksa, Pfizer, Regeneron, Ribon



IGA (0,1) in Lebrikizumab-Treated Patients With Prior Exposure to Dupilumab

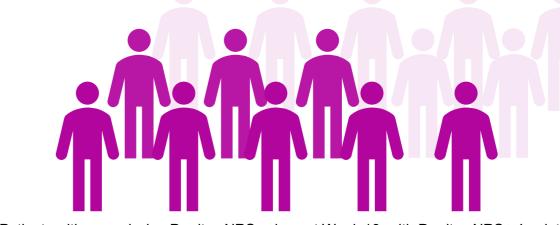


EASI 75 in Lebrikizumab-Treated Patients With Prior Exposure to Dupilumab



13/18 patients^a treated with LEB 250 mg Q2W + TCS achieved EASI 75 at Week 16^b

Pruritus NRS With ≥4-Point Improvement in Lebrikizumab-Treated Patients With Prior Exposure to Dupilumab



8/15^a patients treated with LEB 250 mg Q2W + TCS achieved ≥4-point improvement in Pruritus NRS at Week 16^b

^a Patients with non-missing Pruritus NRS values at Week 16, with Pruritus NRS \geq 4 points at baseline: N=15; ^b 59/107 (55.1%) patients (observed) with Pruritus NRS \geq 4 points at baseline achieved ≥4-point improvement in Pruritus NRS in the overall mITT ADhere LEB + TCS population

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6/18^a patients treated with LEB 250 mg Q2W + TCS achieved IGA (0,1) with \geq 2-point improvement at

Week 16: N=18; ^b 97/130 (74.6%) patients (observed) achieved EASI 75 in the overall mITT ADhere LEB + TCS population



This study was funded by Dermira, a wholly owned subsidiary of Eli Lilly and Company. Almirall, S.A. has licensed the rights to develop and commercialize lebrikizumab for the treatment of dermatology indications, including atopic dermatitis, in Europe. Lilly has exclusive rights for development and commercialization of lebrikizumab in the United States and the rest of the world outside of Europe.