Tralokinumab Real-World Patient-Reported Outcomes in Moderate-to-Severe Atopic Dermatitis Adult Patients in the United States: 6-Month **Interim Analysis**

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Objectives

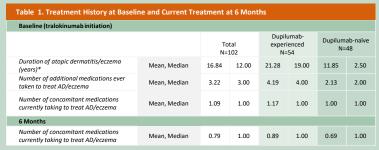
The objective of this 6-month interim analysis from an ongoing study (February 2022 – December 2024) was to evaluate the real-world impact of tralokinumab on Patient-Reported Outcomes (PROs) of adult atopic dermatitis patients.

Results

Treatment History

Baseline (tralokinumab initiation)

- The duration of atopic dermatitis/eczema was 16.8 years at baseline, with the dupilumab-experienced group having atopic dermatitis/eczema for longer.
- At baseline, patients reported having used an average of 3.2 medications (excluding tralokinumab) to treat their atopic dermatitis/eczema. The dupilumabexperienced group reported a greater number of medications used compared to
- There were fewer concomitant medications used at 6 months in both groups when compared to baseline.

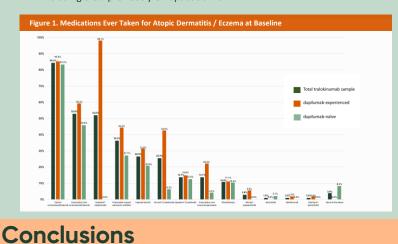


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Medication Ever Taken

Atopic dermatitis/eczema (baseline)

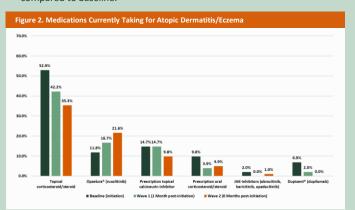
- Most patients had used a topical corticosteroid/steroid in the past (84.3%).
- Many patients had also used a prescription oral corticosteroid/steroid (52.9%).
- Some dupilumab-experienced patients were also previously on JAK inhibitors, including 5.6% previously on upadacitinib.



Current Concomitant Medications

Atopic dermatitis/eczema (baseline

- At 6 months, only 35.3% of patients used a topical corticosteroid/steroid compared to 52.9% at baseline
- There is a decrease in listed concomitant medication use at 6 months compared to baseline



Improvement in Humanistic Burden at 6 Months

Sleep NRS and itch NRS

- Patients had an approximately 2-point improvement in mean sleep, average weekly itch, and worst weekly itch NRS (Table 2). Score improvement was greater in the dupilumab-naïve group for all three
- Of the total population, 57.1% showed a median meaningful improvement in sleep NRS, 48.4% in the dupilumab-experienced group and 65.6% in the dupilumab-naïve group.
- Of the total population, 51.7% showed a median meaningful improvement in average weekly itch NRS, 44.4% in the dupilumab-experienced group and in the 59.5% of dupilumab-naïve group.
- Of the total population, 50.0% showed a median meaningful improvement in worst weekly itch NRS, 39.6% of dupilumab-experienced and 61.4% of dupilumab-naïve.

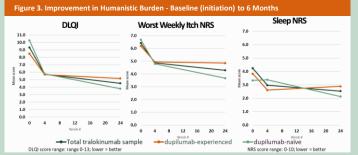
DLQI and PO-SCORAD

- Patients had an average score improvement of 4.8 points and 15.4 points for DLQI and PO-SCORAD, respectively (Table 2).
- From baseline to 6 months, 68.7% of patients had a median meaningful improvement in DLQI scores (Table 2). The dupilumab-experienced group had a lower proportion of meaningful improvement than the dupilumab naïve group
- From baseline to 6 months, 47.4% of patients had a median meaningful improvement in PO-SCORAD scores (Table 2). The dupilumab-experienced group had a lower proportion of meaningful improvement than the
- All three treatment satisfaction measures showed a greater improvement in the dupilumab-naïve group compared to the dupilumab-experience group (Figure 3).
- Convenience showed little to no improvement from baseline to 6 months among dupilumab-experience patients (Table 2).

This 6-month interim analysis conducted in a real-word setting shows that patients diagnosed with moderate-severe atopic dermatitis reported improved quality of life outcomes related to sleep, itch, and

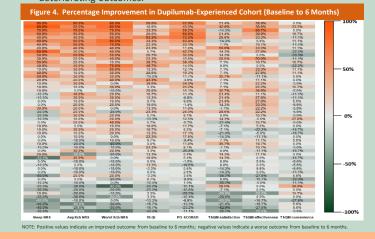
Within the dupilumab-experienced cohort, there were differences in treatment response, with many patients experiencing meaningful improvements across endpoints, while others did not see improvement





Percentage Improvement in Outcomes from Baseline to 6 Months in **Dupilumab-Experienced Patients**

- Figure 4 shows patients who have an improvement in one outcome tend to show improvement in additional outcomes.
- Even if there is deterioration in one outcome, there may be improvement in multiple other outcomes.
- There are few dupilumab-experienced patients who have multiple deteriorating outcomes.



Background

- Atopic dermatitis (AD), often referred to as eczema, is a chronic (longlasting) disease that causes inflammation, redness, and irritation of the skin and can have an enduring negative impact on quality of life (QoL).
- Tralokinumab, an IL-13 targeted biologic approved in the United States (US) for moderate-to-severe atopic dermatitis (AD), improved patient-reported outcomes (PROs) in clinical trials and after one month of use in the real-
- In this study we assessed the changes in PROs at 6 months amongst patients that were treated with tralokinumab.

Methods

Study Design

- U.S. adult patients were recruited through the Adbry[™] Advocate[™] Program and eligible patients were asked to complete a series of mandatory and pulse online surveys at baseline, 2 weeks post-initiation, 1 month post-initiation, 2 months post-initiation, 3 months postinitiation, 4 months post-initiation, 5 months post-initiation, and 6 months post-initiation.
- The 6-month interim analysis includes 102 participants who have completed the mandatory surveys at baseline, 1 month and 6 months.
- The survey respondent base for this interim analysis includes patients who received their initial survey invitation and completed the baseline survey by December 17, 2022.
- Patients will continue to be followed for up to 52 weeks of treatment with tralokinumah

Endpoints

- In this study patients completed several Patient Reported Outcomes (PROs) questionnaires: Dermatology Life Quality Index (DLQI), average weekly itch numeric rating scale (NRS), worst weekly itch NRS, ADrelated weekly sleep NRS, Patient-Oriented SCORing Atopic Dermatitis (PO-SCORAD) index, and Treatment Satisfaction Questionnaire for Medication (TSQM-9).
- PRO results were reported as the change in score or percentage change in score from baseline to 6 months
- A meaningful improvement among patients was represented by a 3point reduction in the NRS⁴, a 15-point reduction in PO-SCORAD⁵, and a 4-point reduction in the DLQI6.

References

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Disclosures

SB is an employee of LEO Pharma, Inc; YK was a previous employee of LEO Pharma, Inc.; DB, CR, HC are employee of Cerner Enviza, an Oracle Company and have served in a consulting or advisory role for LEO Pharma and have received research funding from Leo Pharma Inc.; PL and IS have served in a consulting or advisory role for LEO Pharma, Inc.: AL is a patient with atopic dermatitis

Presented at the Fall Clinical Conference, October 19-22, 2023



Patient Characteristics

Baseline (tralokinumab initiation)

- There are 102 patients who completed baseline, one month. and 6-month surveys. Of this population, 52.9% were dupilumab-
- Most patients were female (59.8%), white (82.4%), and 85.3% reported having private insurance.
- The dupilumab-experienced group was younger and more likely to be female, compared to the dupilumab-naïve group.
- The average age at diagnosis of atopic dermatitis/eczema was 27.3 years (SD = 23.8), with the dupilumab-experienced group diagnosed at a younger age
- The dupilumab-experienced group had more patients with anxiety, asthma, depression, and a history of conjunctivitis.

Baseline (tralokinumab initiation) Current age (years) Mean, Median 44.23 44.50 39.89 36.50 49.10 51.50 Age at diagnosis of atopic 66.7% 25 52.1% Sex at birth, n (%) 33 3% 23 47 9% 7.4% Ethnicity, n (%) Hispanic or Latino Black or African American Race. n (%) 39 81.3% 83.3% Other race or origin 3.7% Decline to answe 3 9% 1 9% 44.4% West 7.4% 9 18.8% Private health insurance 85.3% 87.0% 40 83.3% Current health insurance, n Public health insurance 3.7% 1.9% 53.9% 55.6% 25 52.1% 12 25.0% 15 27.8% 5.9% 9.3% 27.5% 10 18.5% 18 37.5%

Abbreviations

%, percentage; AD, atopic dermatitis; DLQI, Dermatology Life Quality Index; Max, maximum; Min, minimum; n, number of patients; NRS, Numeric Rating Scale; PO-SCORAD, Patient-Oriented SCORing Atopic Dermatitis; PRO, patient-reported outcomes; TSQM-9, Treatment

There is a downward trend in the use of concomitant medications among moderate-severe atopic dermatitis patients treated with tralokinumab.

treatment satisfaction when treated with tralokinumab, both when used in either dupilumab-naïve or in dupilumab-experienced patients.

In a real word setting tralokinumab presents as an effective option for patients to manage their atopic dermatitis disease, regardless of their previous experience with dupilumab.