Dupilumab Monotherapy for 1 Year Provides Sustained Improvement in DLQI in Adults With Moderate-to-Severe Atopic Dermatitis Optimally Responding at Week 16

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BACKGROUND

 The Dermatology Life Quality Index (DLQI; range 0–30, higher score indicates worse quality of life) is a 10-item self-reported validated questionnaire reflecting the impact of skin disease on patient quality of life over a 1-week period, including symptoms, self-consciousness, work/school, daily tasks and leisure activities, relationships, and impact of treatment¹

OBJECTIVE

 To evaluate the effect of dupilumab monotherapy over 1 year on quality of life as assessed by DLQI in adults with moderate-to-severe atopic dermatitis who achieved an optimal response after 16 weeks of dupilumab treatment

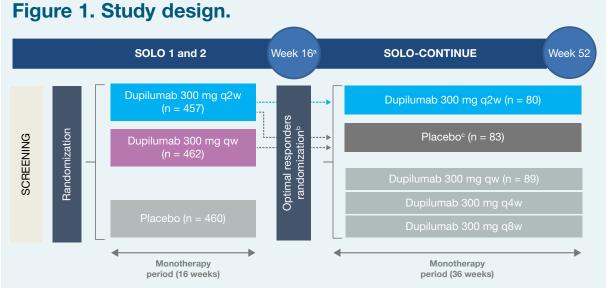
METHODS

• SOLO-CONTINUE (NCT02395133) was a phase 3 clinical trial to assess the efficacy and safety of long-term dupilumab monotherapy treatment in patients who had earlier achieved a 75% reduction from baseline in Eczema Area and Severity Index (EASI-75) and/or an Investigator's Global Assessment (IGA) score of 0–1 after 16 weeks of dupilumab treatment in SOLO 1 and 2²

Analysis

- This analysis included only these treatment groups: approved dupilumab dose 300 mg every 2 weeks (q2w) and placebo from **SOLO-CONTINUE**
- Baseline demographics and disease characteristics have been previously reported^{2,3}

METHODS (CONT.)



Week 16 of SOLO 1 and 2 is baseline of SOLO-CONTINUE. ^bOnly patients achieving either IGA score of 0–1 or EASI-75 were eligible to continue treatment in SOLO-CONTINUE. Placebo patients in SOLO-CONTINUE had been treated with either dupilumab q2w or qw in SOLO 1 and 2.

RESULTS

Table. Proportions of patients reporting total DLQI score 0–1 by visit.

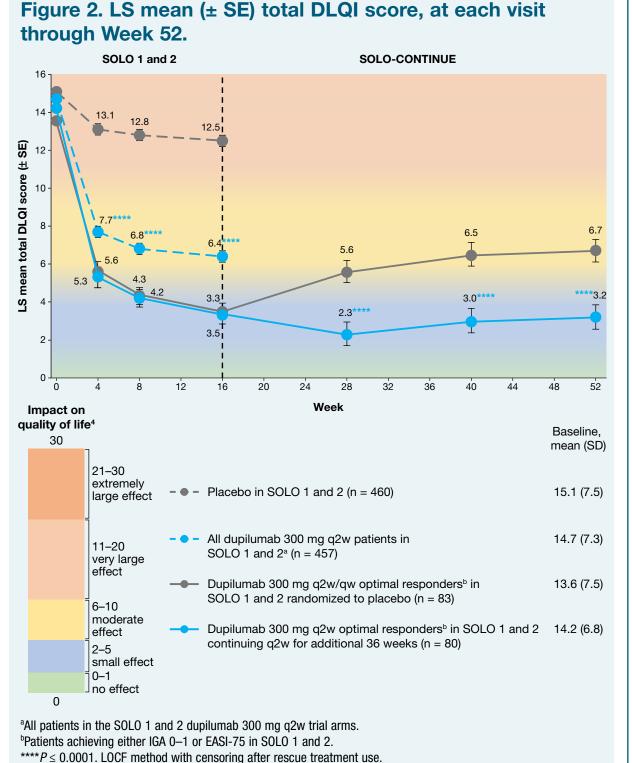
Visit, n(%)	Dupilumab 300 mg q2w optimal responders continuing q2w (n = 80)	Dupilumab 300 mg qw/ q2w optimal responders randomized to placebo at Week 16 (n = 83)
Baseline	0 (0)	1 (1.2)
Week 16	31 (38.8)	37 (44.6)
Week 52	37 (46.3)**	22 (26.5)
**P (dupilumab vs placebo) ≤ 0.01. LOCF method with censoring after rescue treatment use. LOCF, last observation		

Safety

Dupilumab was generally well tolerated with a favorable safety

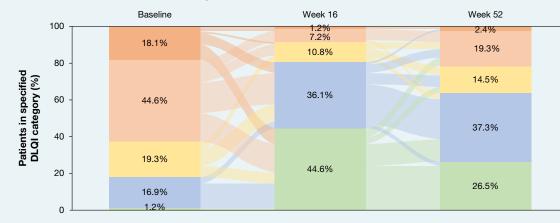
RESULTS (CONT.)

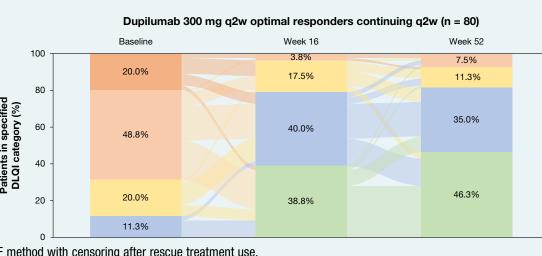
LS, least squares; SD, standard deviation; SE, standard error.











LOCF method with censoring after rescue treatment use.

CONCLUSIONS

- Dupilumab-treated patients experienced rapid improvement in quality of life, and improvements were sustained over a year in patients who achieved IGA 0-1 or EASI 75 at Week 16
- Patients switching to placebo after 16 weeks of dupilumab treatment partially lost the DLQI benefit of treatment in a slow and progressive manner

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