Efficacy and Safety of Dupilumab in Children Aged 6–11 Years With Inadequately Controlled Severe Atopic Dermatitis: Results From an Open-Label Extension Trial up to 1 Year

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INTRODUCTION

- Atopic dermatitis (AD), a common chronic inflammatory type 2 systemic disease, is characterized by pruritus, disruption of skin barrier function and eczematous lesions
- Treatment options are limited, especially for children with AD.
- Dupilumab has previously demonstrated efficacy and an acceptable safety profile in patients with type 2 inflammatory diseases such as AD, asthma and chronic rhinosinusitis with nasal polyps¹⁻³

OBJECTIVE

• To report the long term efficacy and safety of dupilumab in patients aged 6-11 years with severe AD who enrolled in the phase 3 multicenter, open-label extension (OLE) LIBERTY AD PED OLE study (NCT02612454)

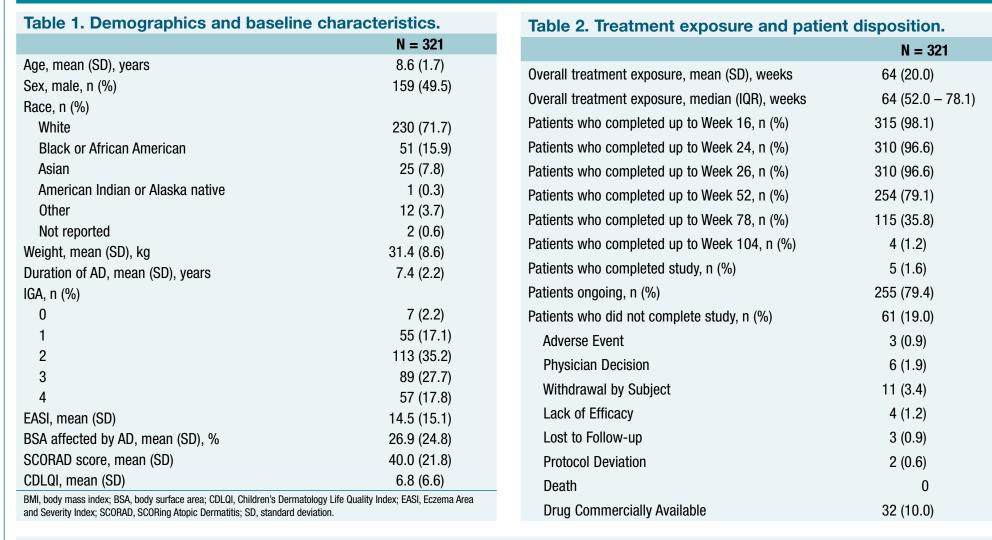
METHODS

- Children aged 6–11 years with severe AD who had previously participated in the 16 week, double-blind, phase 3 LIBERTY AD PEDS study (NCT03345914; parent study), were enrolled into the long-term, multicentre OLE study
- Patients enrolled in the OLE were treated with 300 mg dupilumab every four weeks
- If the treatment response was inadequate, defined as failure to achieve an Investigator's Global Assessment (IGA) score of 0/1 within 16 weeks of treatment initiation, treatment could be uptitrated to 200 mg or 300 mg every 2 weeks (for patients weighing < 60 kg or ≥ 60 kg, respectively) at the discretion of the physician
- Patients were permitted to receive concomitant topical treatments.
- Data are presented as observed

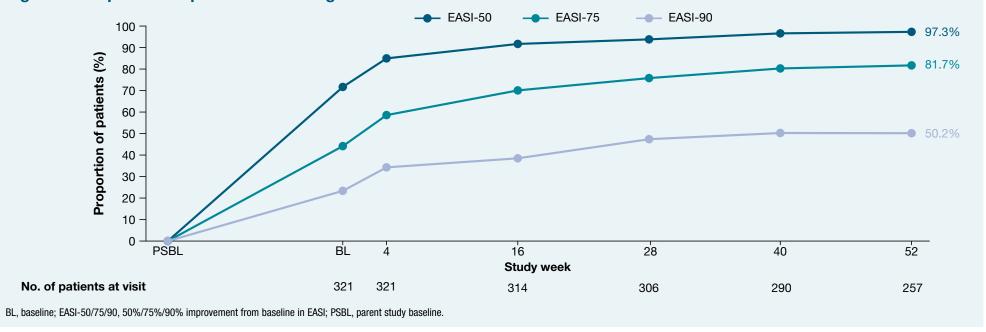
CONCLUSIONS

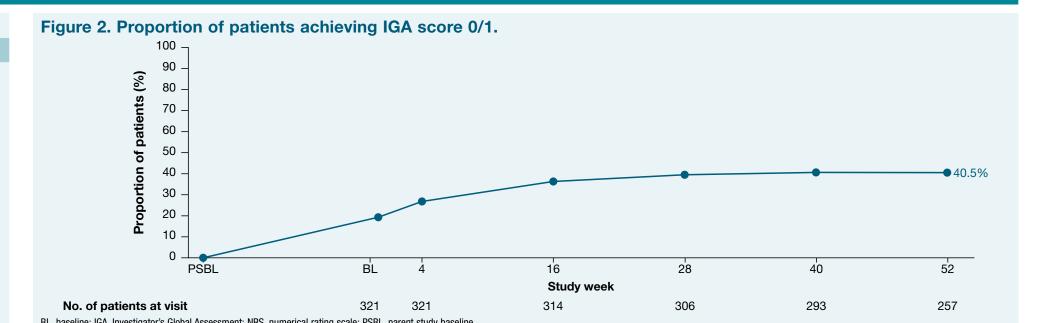
- Dupilumab treatment resulted in substantial and sustained long-term reduction in AD signs and symptoms and improvement in health-related quality of life in patients aged 6–11 years with inadequately controlled severe AD
- The long-term safety profile of dupilumab was favorable and consistent with that previously seen in shorter term, placebo-controlled studies

RESULTS









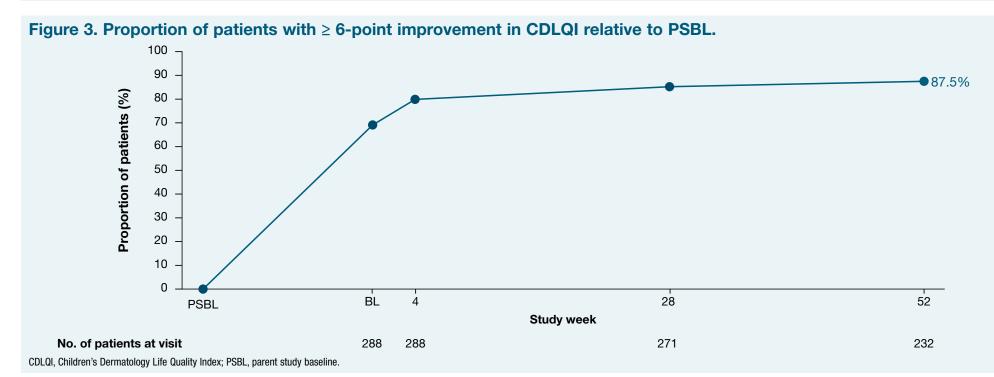


Table 3. Safety summary		
	n (%)	nP/100PY
Patients with any TEAE	255 (79.4)	172.0
Patients with any serious TEAE	15 (4.7)	3.7
Patients with any severe TEAE	13 (4.0)	3.2
Patients with any TEAEs related to treatment	59 (18.4)	16.6
Patients with any TEAEs leading to permanent discontinuation	3 (0.9)	0.7
nE/100PY, number of events per 100 patient-years: TEAE, treatment-emergent adverse event.		

References: 1. Beck LA, et al. Am J Clin Dermatol. 2020;21:567-77. 2. Castro M, et al. N Engl J Med. 2018; 378:2486-2496. 3. Bachert C, et al. The Lancet. 2019; 394(10209):1638-1650.

Acknowledgements: Research sponsored by Sanofi and Regeneron Pharmaceuticals, Inc., according to the Good Publication Practice guideline.

Disclosures: Paller AS: AbbVie, AnaptysBio, Eli Lilly, Exicure, Forté, Kamari Pharmaceuticals, Inc., Canofi/Sanofi Genzyme, Seanergy, Trifecta Pharmaceuticals, Inc., Sanofi Genzyme, Asteria Pharmaceuticals, Inc., Sanofi Genzyme, Seanergy, Trifecta Pharmaceuticals, Inc., Sanofi Genzyme, Seanergy, Trifecta Pharmaceuticals, Inc., Sanofi Genzyme, Seanergy, Trifecta Pharmaceuticals, Inc., Sanofi Genzyme, Asteria Pharmaceuticals, Inc., Sanofi Genzyme, Pharmaceuticals, Inc., Sanofi Genzyme, Pharmaceuticals, Inc., Sanofi Genzyme, Pharmaceuticals, Inc., Sanofi Genzyme, Seanergy, Trifecta Pharmaceuticals, Inc., Sanofi Genzyme, Seanergy, Trifecta Pharmaceuticals, Inc., Sanofi Genzyme, Seanergy, Trifecta Pharmaceuticals, Inc., Sanofi Genzyme, Pharmaceuticals, Inc., Sanofi Genzyme, Seanergy, Trifecta Pharmaceuticals, Inc., Sanofi