

Dupilumab Improved Eczema Area and Severity Index Regional Scores Across All Anatomical Regions in Children Aged 6–11 Years With Severe Atopic Dermatitis

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INTRODUCTION

- AD, a chronic inflammatory skin disease, manifests with distinct distribution patterns in different age groups
- Dupilumab inhibits IL-4 and IL-13 signaling and is approved for treating multiple type 2 inflammatory diseases, including AD
- In a double-blind, 16-week, phase 3 trial (LIBERTY AD PEDS, NCT03345914), children aged 6–11 years with severe AD were randomized 1:1:1 to dupilumab 300 mg q4w (loading dose 600 mg); 100 mg/200 mg q2w (loading dose 200 mg/400 mg); or placebo; with concomitant medium-potency TCS¹

OBJECTIVE

- To evaluate improvement in AD signs, using EASI regional scores, across 4 anatomical regions in children with severe AD, treated with FDA-approved dupilumab doses and concomitant TCS (< 30 kg: 300 mg q4w + TCS; ≥ 30 kg: 200 mg q2w + TCS)

AD, atopic dermatitis; EASI, Eczema Area and Severity Index; IL, interleukin; q2w, every 2 weeks; q4w, every 4 weeks; TCS, topical corticosteroids.

RESULTS

Figure 1. Dupilumab treatment provided rapid and sustained improvement in AD signs across 4 anatomical regions

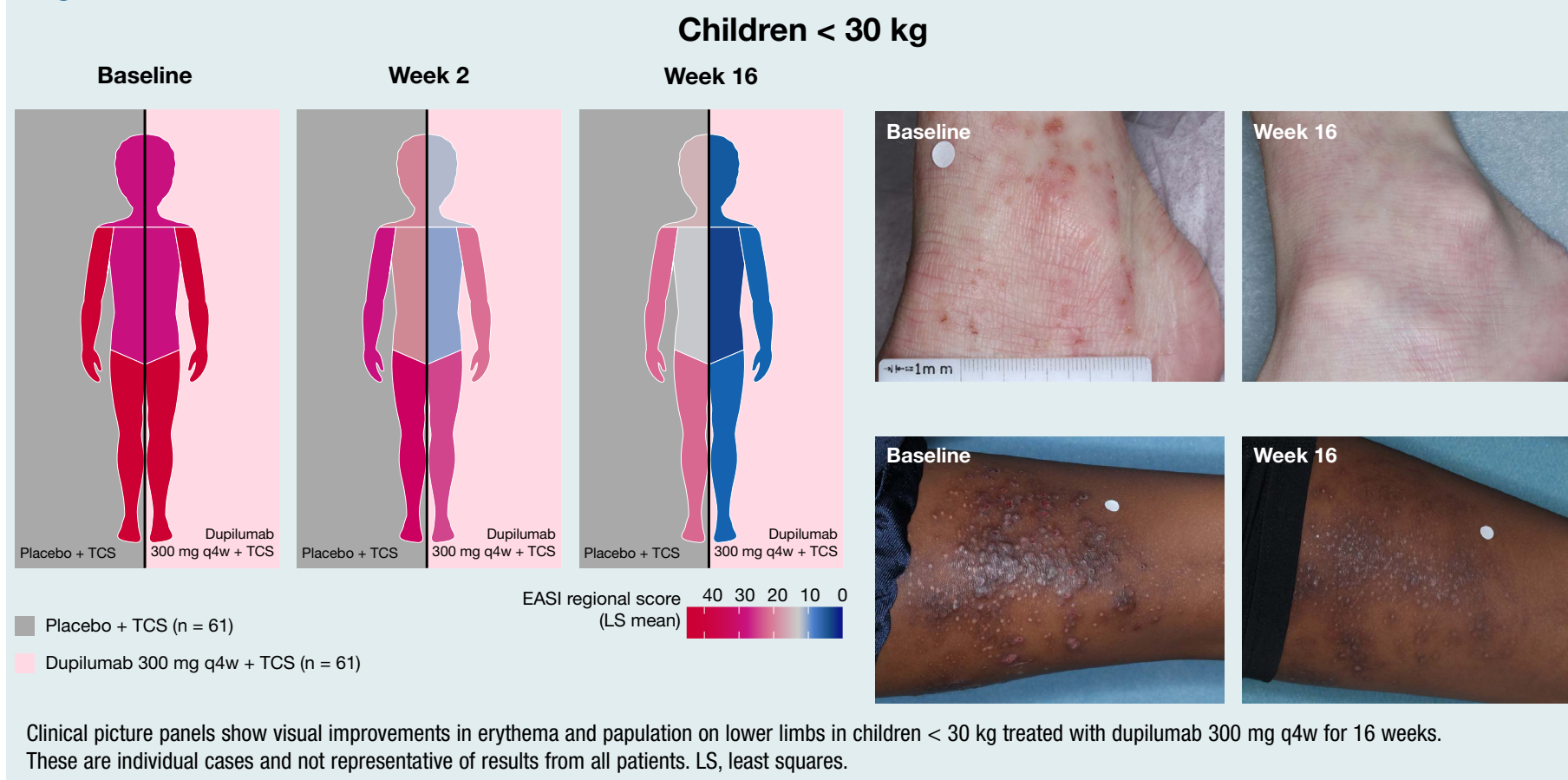
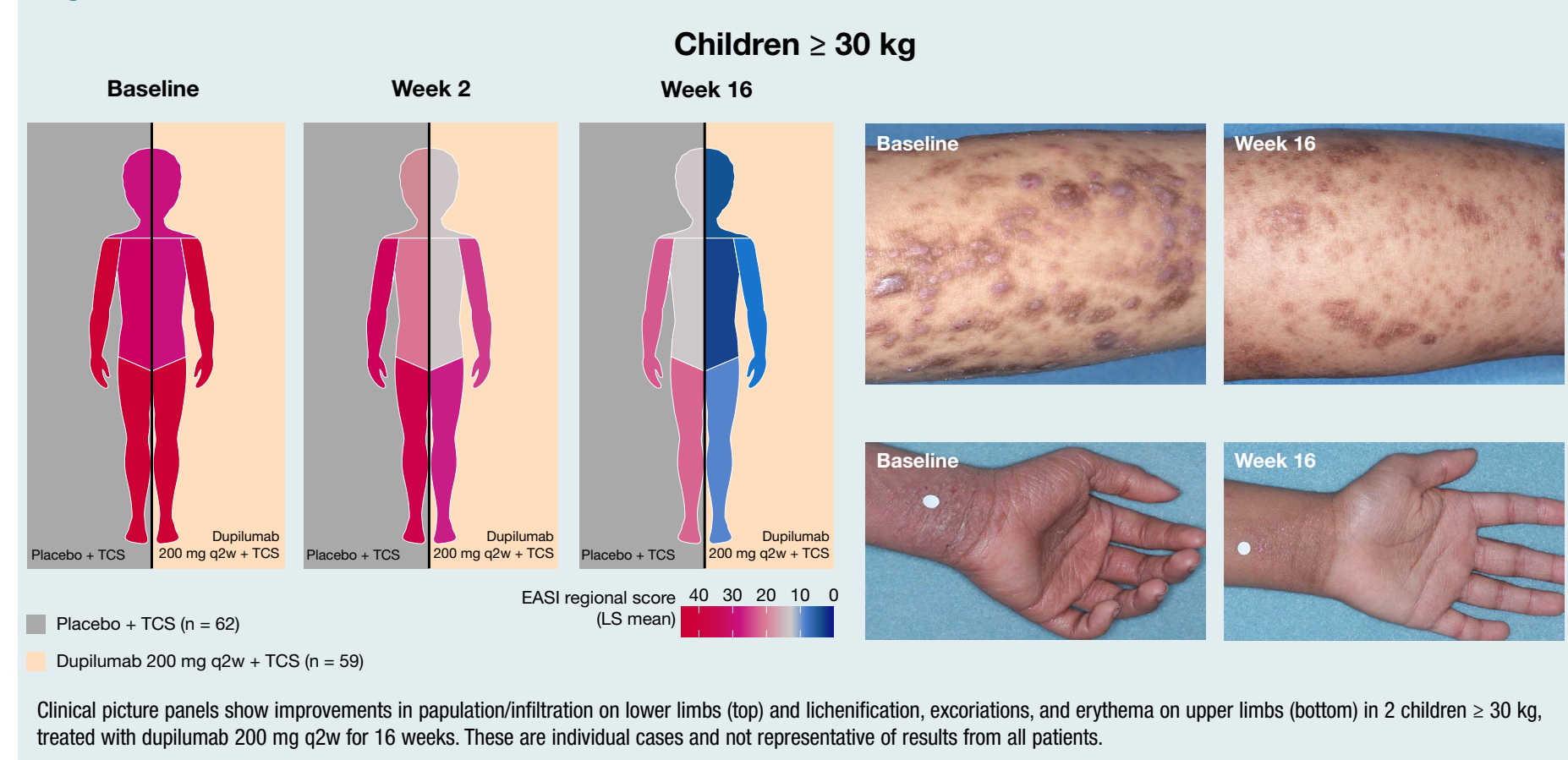


Figure 2. Dupilumab treatment provided rapid and sustained improvement in AD signs across 4 anatomical regions



CONCLUSIONS

- In the LIBERTY AD PEDS trial,¹ dupilumab + TCS significantly improved AD signs across all anatomical regions in children aged 6–11 years with severe AD
- Dupilumab + TCS was well tolerated and data were consistent with the known dupilumab safety profile observed in adults and adolescents^{1–3}

References: 1. Paller AS, et al. J Am Acad Dermatol. 2020; 83:1282-93. 2. Taçi D, et al. J Dermatol Sci. 2019;94:266-75. 3. Simpson EL, et al. JAMA Dermatol. 2020;156:44-56.

Acknowledgments: We thank the patients and their caregivers, who provided full consent for the publication of their photos. Data first presented at the American Academy of Dermatology – 79th Annual Meeting 2021 (AAD), Mar 19-23, 2021. Research sponsored by Sanofi and Regeneron Pharmaceuticals, Inc. ClinicalTrials.gov Identifier: NCT03345914. Medical writing/editorial assistance provided by Alexandre Houzelle, PhD, of Excerpta Medica, funded by Sanofi Genzyme and Regeneron Pharmaceuticals, Inc., in accordance with Good Publication Practice (GPP3) guidelines (Ann Intern Med. 2015;163:461-4).

Disclosures: **Marcoux D:** AbbVie, Amgen, Eli Lilly, Janssen, LEO Pharma, Novartis, Pfizer – investigator; AbbVie, Amgen, BMS, Eli Lilly, Janssen, LEO Pharma, Novartis, Pfizer, Regeneron Pharmaceuticals, Inc., Sanofi Genzyme, UCB – consultant; AbbVie, Amgen, BMS, Novartis, Pfizer, Regeneron Pharmaceuticals, Inc., Sanofi Genzyme – speaker. **Cork MJ:** AbbVie, Astellas, Boots, Dermavant, Galapagos, Galderma, Hyphens Pharma, Johnson & Johnson, LEO Pharma, L'Oréal, Menlo Therapeutics, Novartis, Oxagen, Pfizer, Procter & Gamble, Reckitt Benckiser, Regeneron Pharmaceuticals, Inc., Sanofi Genzyme – investigator and/or consultant. **Wu JJ:** Investigador de AbbVie, Amgen, Eli Lilly, Janssen, Novartis; consultor en AbbVie, Amgen, Arcutis Biotherapeutics, Boehringer Ingelheim, BMS, Dermavant, Dermira, Dr. Reddy's Laboratories, Eli Lilly, Janssen, LEO Pharma, Novartis, Regeneron Pharmaceuticals, Inc., Sanofi Genzyme, Sun Pharma, UCB, Valeant Pharmaceuticals North America; conferenciante de AbbVie, Amgen, BMS, Novartis, Regeneron Pharmaceuticals, Inc., Sanofi Genzyme, Sun Pharma, UCB, Valeant Pharmaceuticals North America. **Wollenberg A:** Beiersdorf, Eli Lilly, Galderma, LEO Pharma, MedImmune, Novartis, Pfizer, Regeneron Pharmaceuticals, Inc., Sanofi Genzyme – investigator; AbbVie, Amgen, Anacor, Eli Lilly, Galapagos, Galderma, LEO Pharma, MedImmune, Novartis, Pfizer, Regeneron Pharmaceuticals, Inc., Sanofi Genzyme – consultant; Beiersdorf, LEO Pharma, Pierre Fabre – research grants. **Chen Z, Shumel B:** Regeneron Pharmaceuticals, Inc. – employees and shareholders. **Prescilla R:** Sanofi Genzyme – employees, may hold stock and/or stock options in the company.

Presented at the 2nd Annual San Diego Dermatology Symposium (SDDS 2021); Virtual Conference, June 13–14, 2021.