

# Efficacy and Safety Results of Apremilast in Pediatric Patients With Moderate to Severe Plaque Psoriasis: 16-Week Results From SPROUT, a Phase 3, Randomized, Controlled Study

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Loretta Fiorillo, MD<sup>1</sup>; Emily Becker, MD<sup>2</sup>; Raul de Lucas, MD<sup>3</sup>; Anna Belloni-Fortina, MD<sup>4</sup>; Susana Armesto, MD<sup>5</sup>; Peter Maes, BA<sup>6</sup>; Rajneet K. Oberoi, BPharm, PhD<sup>6</sup>; Maria Paris, MD<sup>6</sup>; Wendy Zhang, MD, MSc<sup>6</sup>; Zuoshun Zhang, PhD<sup>6</sup>; Lisa Arkin, MD<sup>7</sup>

<sup>1</sup>Stollery Children's Hospital, University of Alberta, Edmonton, Alberta, Canada; <sup>2</sup>Driscoll Children's Hospital, Corpus Christi, TX, USA; <sup>3</sup>Hospital Universitario La Paz – PPDS, Madrid, Spain; <sup>4</sup>Azienda Ospedale Università Padova, Padova, Italy; <sup>5</sup>Hospital Universitario Marques de Valdecilla, Santander, Spain; <sup>6</sup>Amgen Inc., Thousand Oaks, CA, USA; <sup>7</sup>University of Wisconsin School of Medicine and Public Health, Madison, WI, USA

## Key takeaways

Apremilast was well tolerated and effectively reduced psoriasis severity in children aged 6 to 17 years with moderate to severe plaque psoriasis that was inadequately controlled by or intolerant to medications applied to the skin

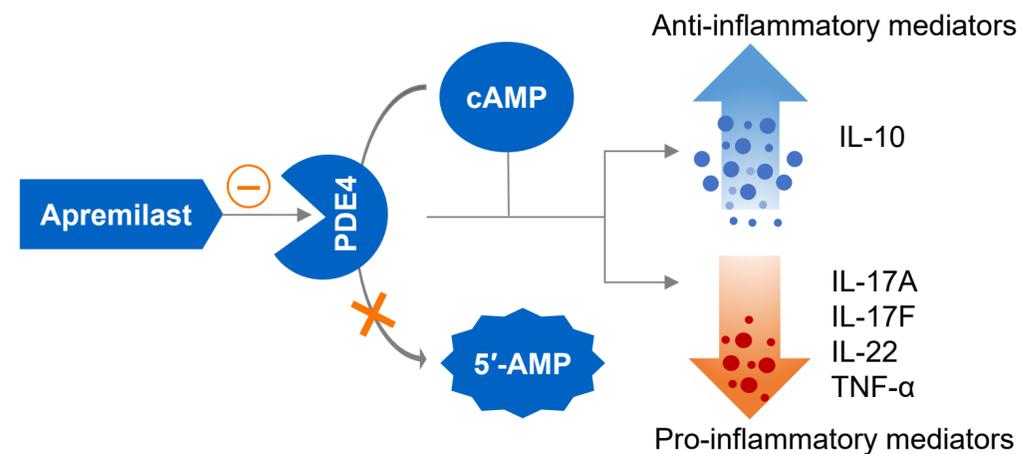
### What do we know?



Approved oral or injectable therapies for children with moderate to severe psoriasis are limited



Apremilast, an oral immunomodulator that inhibits PDE4, is approved for use in adults with psoriasis, psoriatic arthritis, and oral ulcers associated with Behçet's disease



AMP, adenosine monophosphate; cAMP, cyclic adenosine monophosphate; IL, interleukin; PDE, phosphodiesterase; TNF-α, tumor necrosis factor alpha.

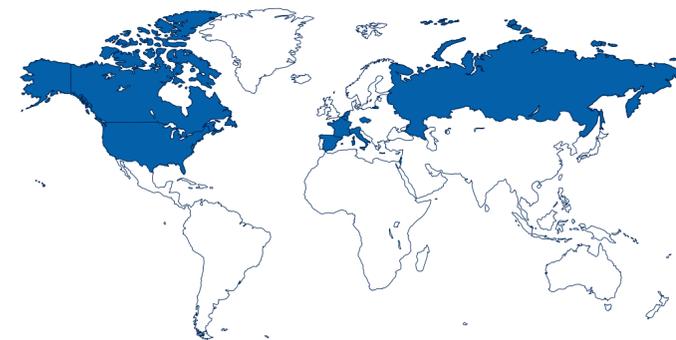


Apremilast has shown favorable effects over risks in **706,585** adults globally, across the indications for which it is approved

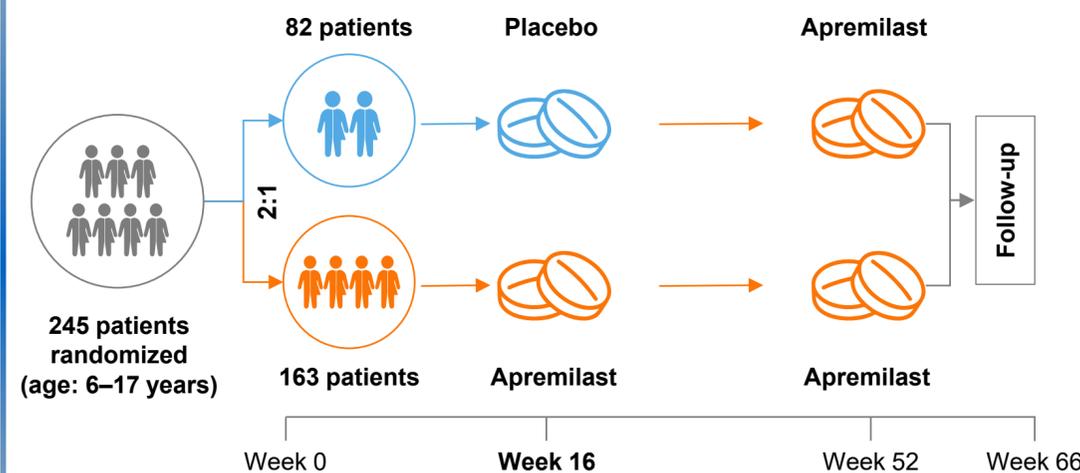
### What was our aim?

To evaluate how well apremilast works and how safe it is in children with moderate to severe psoriasis that was inadequately controlled by or intolerant to medications applied to the skin

### What did we do?



This phase 3 study included **245 participants** from **99 centers** in **10 countries** (NCT03701763)



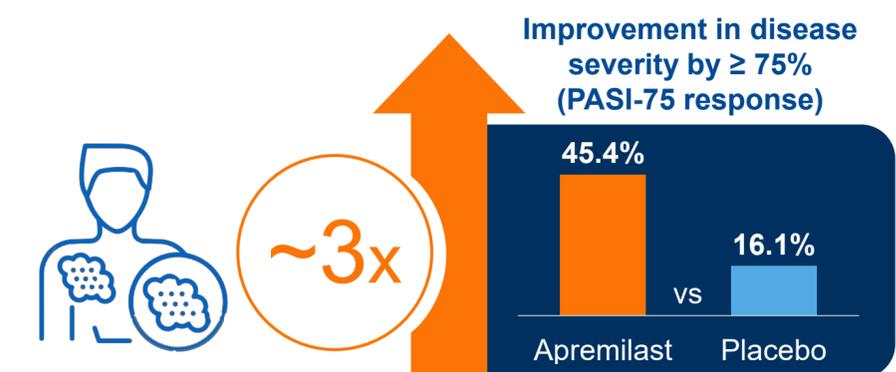
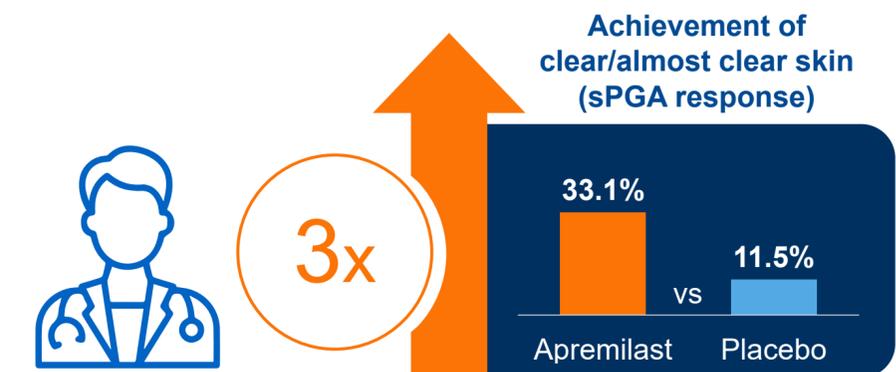
**Primary outcome:** Psoriasis severity assessed by the proportion of patients achieving an sPGA response at week 16 (sPGA response: a score of 0/1 [clear/almost clear skin] with a  $\geq 2$ -point reduction from baseline)

**Key secondary outcome:** Psoriasis improvement assessed by the proportion of patients achieving a PASI-75 response at week 16 to assess psoriasis severity

PASI-75 response: a  $\geq 75\%$  reduction in PASI scores from baseline.  
PASI, Psoriasis Area and Severity Index; sPGA, static Physician's Global Assessment.

### What were our findings at week 16?

The percentage of patients in the age and weight categories was similar between apremilast and placebo groups



No new safety signals were identified, and adverse events were consistent with the known apremilast safety profile

PASI, Psoriasis Area and Severity Index; sPGA, static Physician's Global Assessment.

#### Disclosures and Funding Statement

LF: Amgen, Galderma, LEO Pharma, and Pfizer – investigator, received honoraria, and advisory board member; Pierre Fabre and Galderma – speaker. EB: Amgen – principal investigator; Pfizer, Regeneron, and Sanofi – speaker. RdL: nothing to disclose. AB-F: AbbVie, Janssen, Novartis, Pfizer, and Sanofi – consultant and received fees and honoraria. SA: Amgen, Janssen, LEO Pharma, and Novartis – speaker and advisory board member. PM, RKO, MP, WZ, and ZZ: Amgen – employees and stockholders. LA: Candela – received research equipment; Amgen and Celgene – investigator; AbbVie, Amgen, Regeneron, and Verrica – consultant. This study was sponsored by Amgen Inc. Writing support was funded by Amgen Inc. and provided by Lakshmi Narendra Bodduluru, PhD, of Cactus Life Sciences (part of Cactus Communications), and Dawn Nicewarner, PhD, CMPP, employee of and stockholder in Amgen Inc.