

The effect of present or historical psoriasis on the efficacy of spesolimab in patients with a generalized pustular psoriasis (GPP) flare

Peter van de Kerkhof¹, Yukari Okubo², Lluís Puig³, Jörg C. Prinz⁴, Manuel Quaresma⁵, Christian Thoma⁶, Ling Li⁷, Hervé Bachelez⁸

¹Radboud University, Nijmegen, the Netherlands; ²Tokyo Medical University, Tokyo, Japan; ³Hospital de la Santa Creu i Sant Pau, Barcelona, Spain; 4Ludwig-Maximilian-University Munich, Munich, Germany; 5Boehringer Ingelheim International GmbH, Ingelheim, Germany; 6Boehringer Ingelheim International GmbH, Biberach, Germany; Boehringer Ingelheim (China) Investment Co., Ltd, Shanghai, China; Hôpital Saint-Louis and Université Paris Cité, Paris, France



The efficacy and safety of spesolimab for the treatment of GPP flares are consistent between patients with and without present or historical psoriasis

PURPOSE

To evaluate the efficacy of spesolimab treatment in patients with a GPP flare with and without present or historical psoriasis.

INTRODUCTION

- GPP is a rare, potentially life-threatening, autoinflammatory skin disease, characterised by widespread eruption of sterile, visible pustules 1-4
- In the multicentre, randomised, double-blind, placebo-controlled Effisayil™ 1 study (NCT03782792) in patients presenting with a GPP flare, spesolimab treatment led to rapid pustular and skin clearance within 1 week^{4,5}
 - Primary endpoint (GPPGA pustulation subscore of 0; no visible pustules): 54% vs 6% (one-sided p<0.001)
 - Key secondary endpoint (GPPGA total score of 0 or 1; clear or almost clear skin): 43% vs 11% (one-sided p=0.0118)

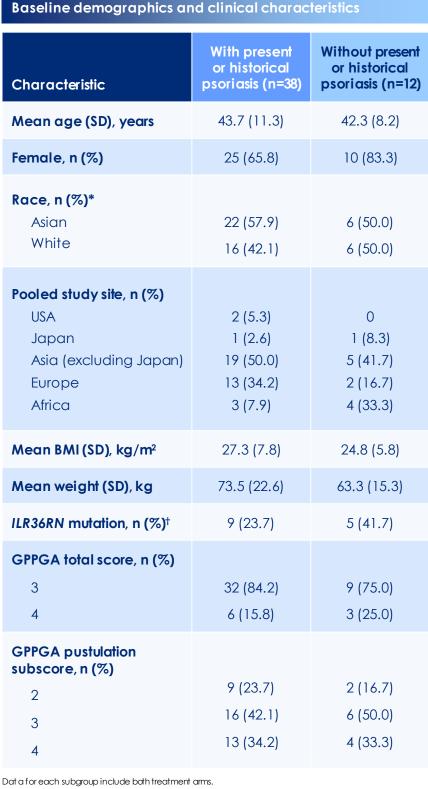
CONCLUSIONS

- Patients treated with spesolimab achieved rapid pustular and skin clearance regardless of whether they did or did not have present or historical psoriasis. These effects were sustained until the end of the study
- Spesolimab had an acceptable safety profile, and AEs were comparable between both subgroups
- Spesolimab is a viable treatment option for patients with GPP, regardless of their psoriasis history

METHODS

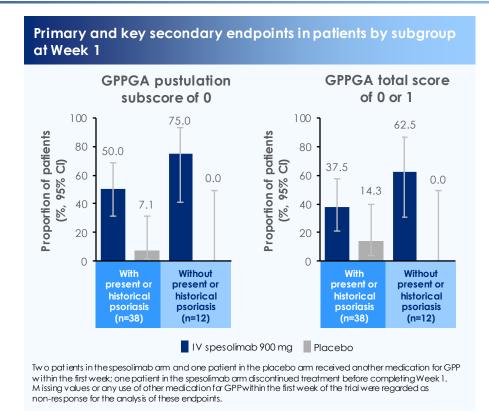
- Patients (N=53) were randomised (2:1) to receive IV spesolimab 900 mg or placebo at baseline and were followed for 12 weeks
- Patients could receive optional OL spesolimab on Day 8 for persistent flare symptoms; any use of other medication to treat GPP or use of spesolimab to treat a new GPP flare were considered non-response for this analysis
- The efficacy of spesolimab was evaluated in those with and without present or historical psoriasis; this could encompass any type of psoriasis, including plaque psoriasis
- Scan the QR code at the bottom of this poster to see full details of the Effisayil™ 1 study design^{4,5}

RESULTS



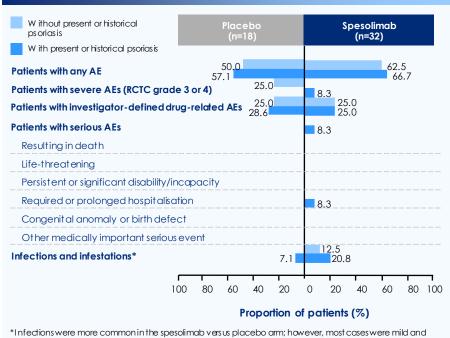
*Race was reported by the patient. †One patient in the 'present or historical psoriasis' subgroup and 11 patients in the 'no present or historical psoriasis' subgroup who received placebo had Of 53 patients randomised to receive spesolimab or placebo, 46 had genetic testing.

Baseline characteristics and demographics were balanced between subgroups; however, a higher proportion of patients without present or historical psoriasis had an IL36RN mutation than those with present or historical psoriasis (41.7% vs 23.7%, respectively)



The efficacy of spesolimab by Week 1 was consistent between those with present or historical psoriasis at baseline and those without

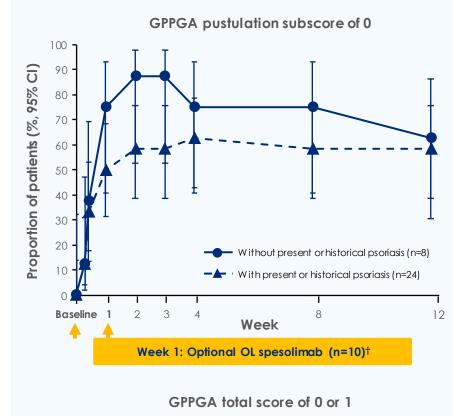
Proportion of patients experiencing AEs in both subgroups at

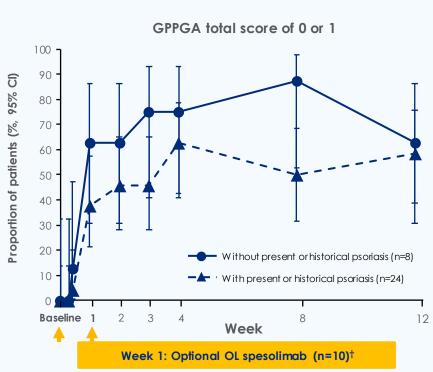


uncomplicated, and were not indicative of opportunistic infection

The proportion of patients who experienced an AE was similar in both subgroups

Proportion of patients treated with spesolimab* with a GPPGA pustulation subscore of 0 and GPPGA total score of 0 or 1 by subgroup





*Treat ment effect in patients who received up to two doses of spesolimab at Day 1 (n=32) and an optional dose at Day 8 (n=10). †n=8with psoriasis, n=2 without plaque psoriasis. Missing values, and use of any other medication for GPP or spesolimab for the treatment of a new GPP flare were regarded as non-response for this analysis.

Following treatment with spesolimab, similar proportions of patients in both subgroups had no visible pustules/had clear skin over the course of the study

Abbreviations



