

Sustained treatment effect of spesolimab over 12 weeks for generalized pustular psoriasis flares; results from the Effisayil 1 study

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Patients with a GPP flare who received IV spesolimab achieved rapid clearance of pustular and skin lesions that was sustained for the duration of the 12-week study

PURPOSE

To determine if the rapid response to spesolimab for the treatment of a GPP flare observed within 1 week is sustained over 12 weeks, and to describe the observed changes in GPPGA pustulation subscore and total score in all patients.

INTRODUCTION

- GPP is a rare, neutrophilic skin disease characterized by episodes of widespread eruption of sterile, macroscopic pustules that can occur with or without systemic inflammation and symptoms^{1,2}
- Effisayil 1 (NCT03782792) was a global, multicenter, randomized, double-blind, placebo-controlled study of spesolimab, an anti-IL-36 receptor antibody, in patients with GPP presenting with a flare. At Week 1:3
- The primary endpoint (GPPGA pustulation subscore of 0; no visible pustules) was achieved by 54% of patients receiving spesolimab vs 6% receiving placebo (one-sided p<0.001)
- The key secondary endpoint (GPPGA total score of 0 or 1; clear or almost clear skin) was achieved by 43% of patients receiving spesolimab vs 11% receiving placebo (one-sided p=0.0118)

CONCLUSIONS

- Patients with a GPP flare treated with spesolimab achieved pustular and skin clearance, which was sustained through Week 12
- Patients initially randomized to placebo had the opportunity to receive spesolimab at Day 8, which led to improvements in pustular and skin clearance that were sustained through Week 12
- These data indicate that spesolimab rapidly targets the underlying causes of GPP flares and maintains this effect over time, further supporting its use as a potential therapeutic option for patients with a GPP flare

METHODS

- Scan the QR code at the bottom of this poster to see full details of the Effisayil 1 study design and patient characteristics at baseline^{3,4}
- GPPGA total score and pustulation subscore were recorded on Days 1–3, and Weeks 1–4, 8, and 12

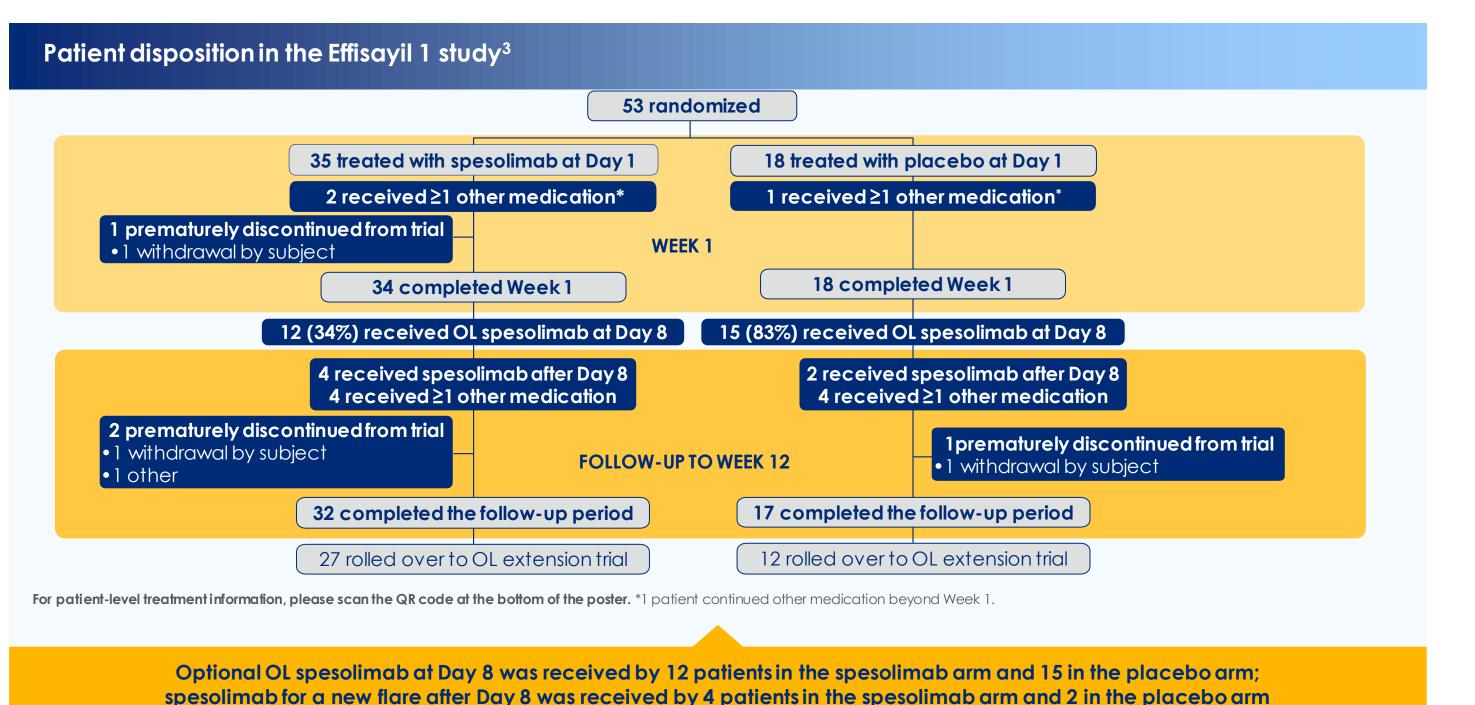
Analysis populations

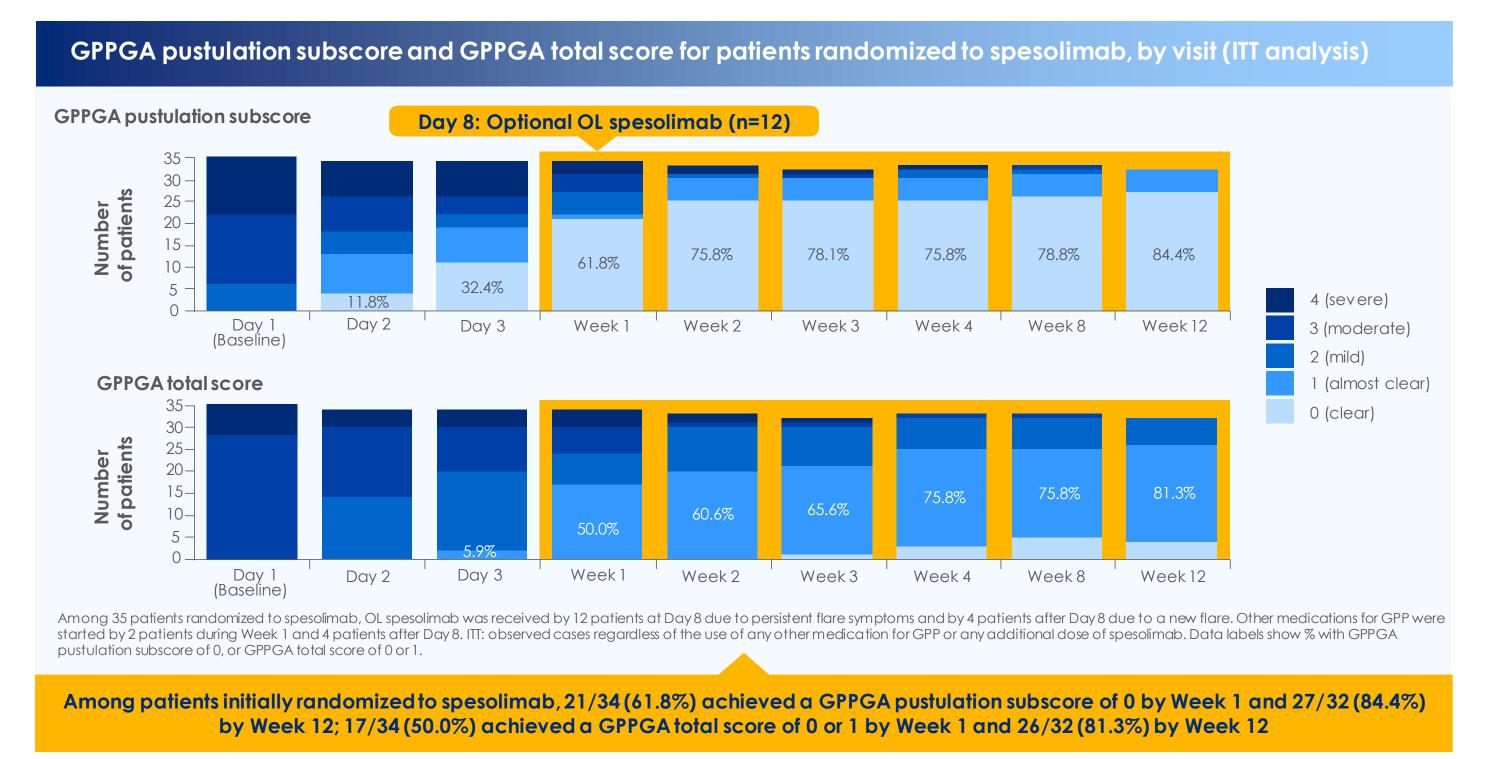
4. Choon SE, et al. BMJ Open 2021;11:e043666.

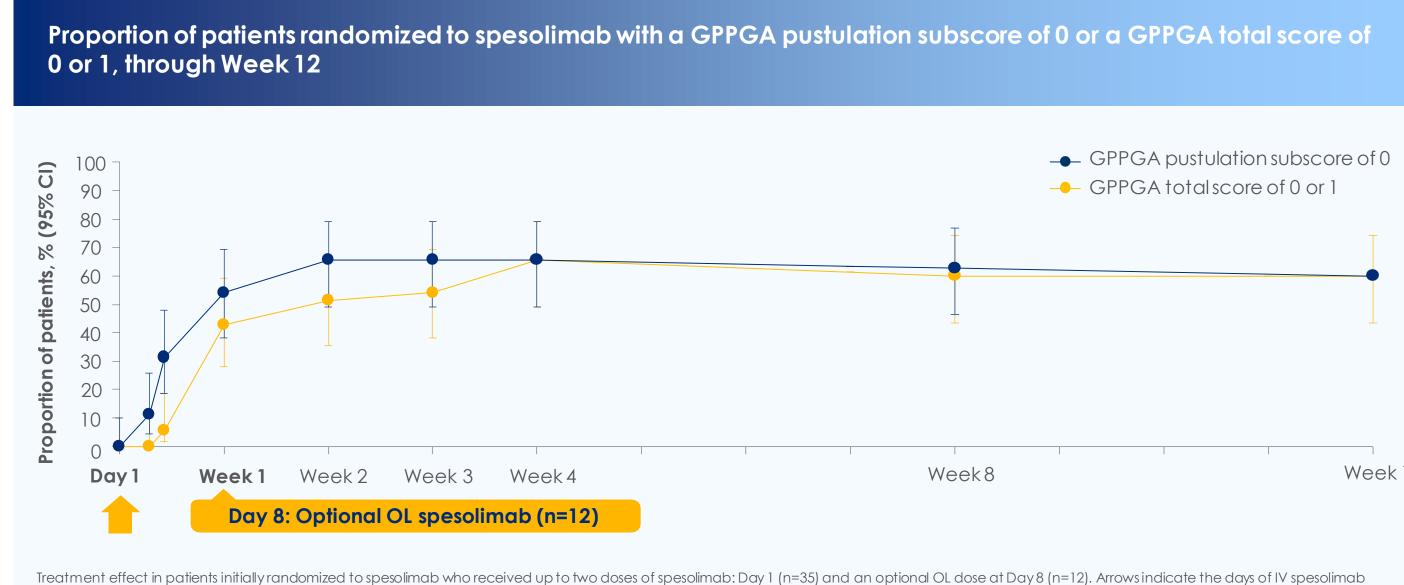
- Patients who received up to two doses of spesolimab: Day 1 plus optional OL spesolimab on Day 8 for persistent flare symptoms; missing values, any use of another medication to treat GPP, or use of spesolimab for treating a new GPP flare were considered to be a non-response
- ITT analysis: observed values for all patients over time according to the randomized treatment received on Day 1, regardless of the use of any other medication for GPP or any additional dose of spesolimab

RESULTS

accuracy, as well as intellectual property considerations. James Parkinson, PhD, of OPEN Health Communications (London, UK) provided writing, editorial, and formatting support, which was contracted and funded by Boehringer Ingelheim.

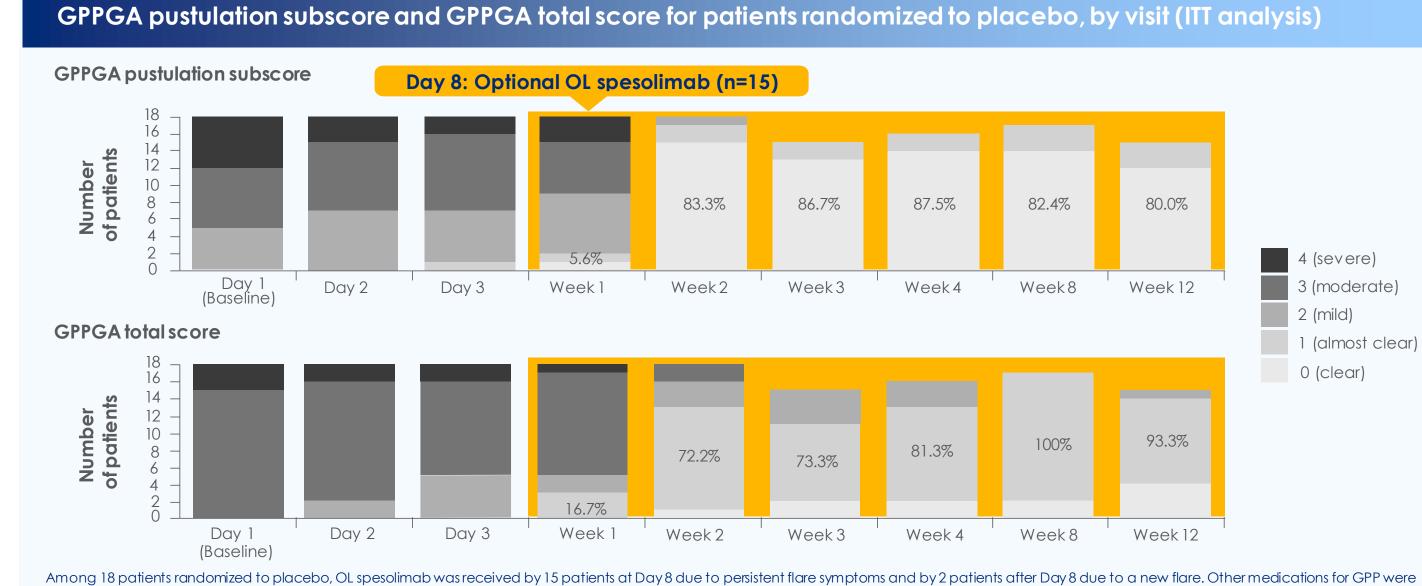






administration. Missing values, any use of other medication for GPP, or the use of spesolimab for the treatment of a new GPP flare were regarded to be a non-response for this analysis

Among patients who received up to two doses of spesolimab, 54.3% achieved a GPPGA pustulation subscore of 0 and 42.9% achieved a GPPGA total score of 0 or 1 at Week 1: these responses were sustained in 60.0% of patients from Week 4 until Week 12



Among patients initially randomized to placebo, 15/18 (83.3%) had a GPPGA pustulation subscore of 0 by Week 2 (1 week after optional OL spesolimab) and 12/15 (80.0%) by Week 12; 13/18 (72.2%) had a GPPGA total score of 0 or 1 by Week 2 and 14/15 (93.3%) by Week 12

started by 1 patient during Week 1 and 4 patients after Day 8. ITT: observed cases regardless of the use of any other medication for GPP or any additional dose of spesolimab. Data labels show % with GPPGA

CI, confidence interval; FDA, US Food and Drug Administration; GPP, generalized pustular psoriasis; GPPGA, Generalized Pustular Psoriasis Physician Global Assessment

1. Navarini AA, et al. J Eur Acad Dermatol Venereol 2017;31:1792 –1799 ; 2. Fujita H, et al.

J Dermatol 2018;45:1235 –1270; 3. Bachelez H, et al. New Engl J Med 2021;385:2431–2440;

Pfizer, Samsung, Sienna, Sun Pharmaceutical Industries, and UCB. **UM** has been an advisor and/or received speaker's honoraria and/or recei Novartis, Phi-Stone, Pierre Fabre, Sanofi Aventis, and UCB. \$1 has served as a consultant and/or paid speaker for and/or accepted a research grant from and/or paid speaker for and/or participated in clinical trials sponsored by companies including Abbvie, Amgen, Boehringer Ingelheim, Eisai, Eli Lilly, Janssen, Kyowa Kirin, LEO Pharma, Maruho Pharmaceutical, Mitsubishi Tanabe, Novartis, Sun Pharmaceutical Industries, Taiho Yakuhin, Koryo, Torii Yakuhin, and UCB. \$1 has served as a consultant and/or paid speaker for and/or participated in clinical trials sponsored by companies including Abbvie, Amgen, Boehringer Ingelheim, Eisai, Eli Lilly, Janssen, Kyowa Kirin, LEO Pharmaceutical, Mitsubishi Tanabe, Novartis, Sun Pharmaceutical Industries, Taiho Yakuhin, and UCB. \$1 has served as a consultant and/or participated in clinical trials sponsored by companies including Abbvie, Amgen, Boehringer Ingelheim, Eisai, Eli Lilly, Janssen, Kyowa Kirin, LEO Pharmaceutical, Mitsubishi Tanabe, Novartis, Sun Pharmaceutical Industries, Taiho Yakuhin, and UCB. \$1 has served as a consultant and/or participated in clinical trials sponsored by companies including Abbvie, Amgen, Boehringer Ingelheim, Eisai, Eli Lilly, Janssen, Kyowa Kirin, LEO Pharmaceutical, Mitsubishi Tanabe, Novartis, Sun Pharmaceutical, Mitsubi receiving grants, consulting fees, and/or speaker's fees from AbbVie, Bayer, Boehringer Ingelheim, Leo Pharma, Mylan, Novartis, and Sanofi. HB declares paid consulting activities for AbbVie, Almirall, Amgen, BIOCAD, Boehringer Ingelheim, Leo Pharma, Movartis, and Sanofi. HB declares paid consulting activities for AbbVie, Almirall, Amgen, BIOCAD, Boehringer Ingelheim, Leo Pharma, Movartis, and Sanofi. HB declares paid consulting activities for AbbVie, Almirall, Amgen, BIOCAD, Boehringer Ingelheim, Janssen, LEO Pharma, Novartis, and Sanofi. HB declares paid consulting activities for AbbVie, Almirall, Amgen, BIOCAD, Boehringer Ingelheim, Dermavant Sciences, Eli Lilly, Janssen, LEO Pharma, Movartis, and Sanofi. HB declares paid consulting fees, and Jon Pharmaceuticals; grant support from Boehringer Ingelheim, Janssen, LEO Pharma, Movartis, and Sanofi. HB declares paid consulting fees, and Jon Pharmaceuticals; grant support from Boehringer Ingelheim, Janssen, LEO Pharma, Movartis, and Sanofi. HB declares paid consulting fees, and Jon Pharmaceuticals; grant support from Boehringer Ingelheim, Janssen, LEO Pharma, Movartis, and Sanofi. HB declares paid consulting fees, and Jon Pharmaceuticals; grant support from Boehringer Ingelheim, Janssen, LEO Pharma, Movartis, and Sanofi. Pfizer; and participation on a data safety monitoring board/advisory board from Avillion. NH, MQ, and CT are employees of Boehringer Ingelheim. The authors met criteria for authors hip as recommended by the International Committee of Medical Journal Editors (ICMJE). The authors hip as recommended by the International Committee of Medical Journal Editors (ICMJE). The authors hip as recommended by the International Committee of Medical Journal Editors (ICMJE).



pustulation subscore of 0, or GPPGA total score of 0 or 1



