# Spesolimab rapidly improves quality of life in patients with generalized pustular psoriasis, as per Dermatology Life Quality Index scores: Data from the Effisayil® 2 trial

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Aim: To further analyze the effect of spesolimab 300 mg SC q4w (following a 600 mg SC loading dose) versus placebo on DLQI scores in Effisayil® 2

## Background

- GPP is a chronic and potentially life-threatening disease characterized by flares of widespread skin pustulation<sup>1</sup>
- In Effisavil® 2 (NCT04399837), spesolimab (300 mg SC q4w\*) was significantly superior to placebo for the prevention of GPP flares, reducing the risk of a GPP flare by 84%<sup>1</sup>
- Spesolimab (300 mg SC q4w\*) also numerically reduced the risk of DLQI worsening (≥4-point increase in total score from baseline; secondary endpoint) up to Week 48<sup>1</sup>

\*Following a 600 mg SC loading dose.

## **Methods**

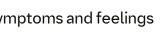
- The DLQI is a 10-question, QoL questionnaire that covers six domains including symptoms and feelings, work and school, personal relationships, treatment, leisure, and daily activities.<sup>2</sup> The DLQI reports the impact on QoL, ranging from 0 (no effect on a patient's life) to 30 (extremely large effect) $^{2,3}$
- DLQI was assessed in patients in the spesolimab (300 mg SC q4w\*) and placebo groups at Weeks 4, 8, 12, 24, 36, and 48 (EoS)†
- A 4-point change from baseline was considered a clinically important difference

### Figure 1. DLQI domains and interpretation of scoring



















A lot

Very much



Personal relationships

\*Following a 600 mg SC loading dose. †DLQI questionnaire responses for subjects who were less than 16 years of age were censored at Day 1.

## Results

Baseline characteristics were generally similar, though the spesolimab (300 mg SC q4w\*) group had a higher DLQI score at baseline

	Spesolimab (300 mg SC q4w*) N=30	Placebo N=31
Mean age (SD), years	40.2 (16.4)	39.5 (14.0)
Female, n (%)	18 (60)	18 (58)
Race, n (%)		
Asian	21 (70)	17 (55)
White	9 (30)	14 (45)
Mean BMI (SD), kg/m²	25.6 (7.3)	26.9 (8.3)
GPPASI total score (SD)	3.92 (4.42)	3.11 (2.81)
GPPGA total score, n (%)		
0	3 (10)	4 (13)
1	27 (90)	27 (87)
PSS total score (SD)	5.3 (3.8)	3.6 (2.9)
DLQI total score (SD)	11.1 (6.9)	7.2 (5.6)
Historical flares per year (SD)	2.4 (1.9)	2.4 (1.2)
Time since first diagnosis, n (%)		
≤1 year	4 (13)	3 (10)
>1 to ≤5 years	9 (30)	10 (32)
>5 to ≤10 years	8 (27)	7 (23)
>10 years	9 (30)	11 (35)
*Following a 600 mg SC loading dose.		

## Figure 2. Proportion of patients without a flare with ≥4-point improvement in DLQI score up to Week 48

- A smaller proportion of patients (data not shown) in the spesolimab (300 mg SC q4w\*) group had a GPP flare (3/29) from Week 4 to 48 compared with placebo (16/31)
- In patients without a flare, a higher proportion of patients in the spesolimab (300 mg SC q4w group\*) had a ≥4-point improvement from baseline in DLQI scores from Week 4 to Week 48 compared with placebo

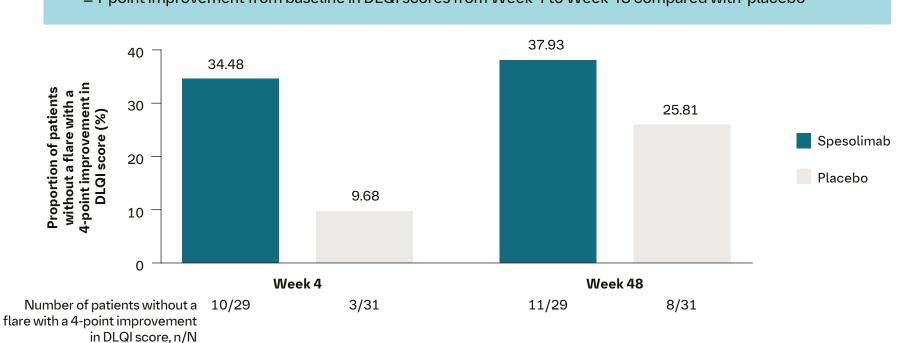
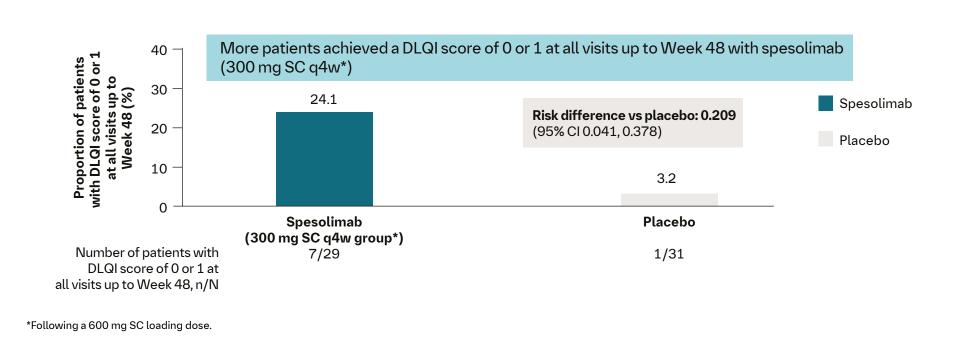


Figure 3. Proportion of patients with DLQI score of 0 or 1 at all visits up to Week 48



\*Question 7 is a 'yes'/'no' question where 'yes' is scored as 3; the magnitude of impact is assessed in a follow-up question.

## **Conclusions**

Very large effect on patient's life | Extremely large effect on patient's life



- In the Effisayil® 2 trial, patients in the spesolimab (300 mg SC q4w\*) group had an 84% reduction in the risk of a GPP flare compared with placebo

  Patients treated with spesolimab (300 mg SC q4w\*) rapidly gained improvements in DLQI scores compared with placebo, which were sustained through to Week 48
- Even when examining only patients without a GPP flare, a higher proportion of patients treated with spesolimab (300 mg SC q4w\*) had a clinically meaningful ≥4-point improvement in DLQI scores compared with placebo at all visits up to Week 48
- More patients achieved a DLQI score of 0 or 1 at all visits up to Week 48 with spesolimab (300 mg SC q4w\*)







\*Following a 600 mg SC loading dose



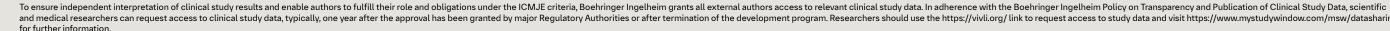
1. Morita A, et al. Lancet. 2023;402:1541-51. 2. Finlay AY & Khan G. Clin Exp Dermatol. 1994;19:210-6. 3. Dermatology Quality of Life Index (DLQI). https://www.cardiff.ac.uk/ medicine/resources/quality-of-life-questionnaires/dermatology-

BMI, body mass index; DLQI, Dermatology Life Quality Index; EoS, end of study; GPP, generalized pustular psoriasis; GPPASI, Generalized Pustular Psoriasis Area and Severity Index; GPPGA, Generalized Pustular Psoriasis Physician Global Assessment; PSS, Psoriasis Symptom Scale; QoL, quality of life; q4w, every 4 weeks; SC, subcutaneous; SD, standard deviation.

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