# SPECTREM: Guselkumab Efficacy at Multiple High-Impact Sites in Participants With Low BSA, Moderate Plaque Psoriasis



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### Background



SPECTREM is an ongoing phase 3b, multicenter, randomized, double-blind, placebo (PBO)-controlled study evaluating the efficacy and safety of guselkumab (GUS) in participants with low body surface area (BSA), moderate plaque psoriasis (PsO) involving ≥1 high-impact sites



Patients with low BSA PsO are underrepresented in clinical studies and may be undertreated despite being candidates for systemic treatment<sup>1-3</sup>



TREM was intentionally designed to address the knowledge gap regarding patients with low BSA PsO involving high-impact sites, and most SPECTREM participants have more than one high-impact site involved

### **Objectives**

To evaluate efficacy of GUS vs PBO at Week 16 via:

- High-impact site-specific Investigator's Global Assessment (IGA)
  - Scalp-specific IGA (ss-IGA)
  - Facial IGA (f-IGA)
  - Intertriginous IGA (i-IGA)
  - Static Physician's Global Assessment of Genitalia (sPGA-G) Psoriasis Symptoms and Signs Diary (PSSD)
  - Dermatology Life Quality Index (DLQI)

  - Psoriasis Area and Severity Index (PASI)

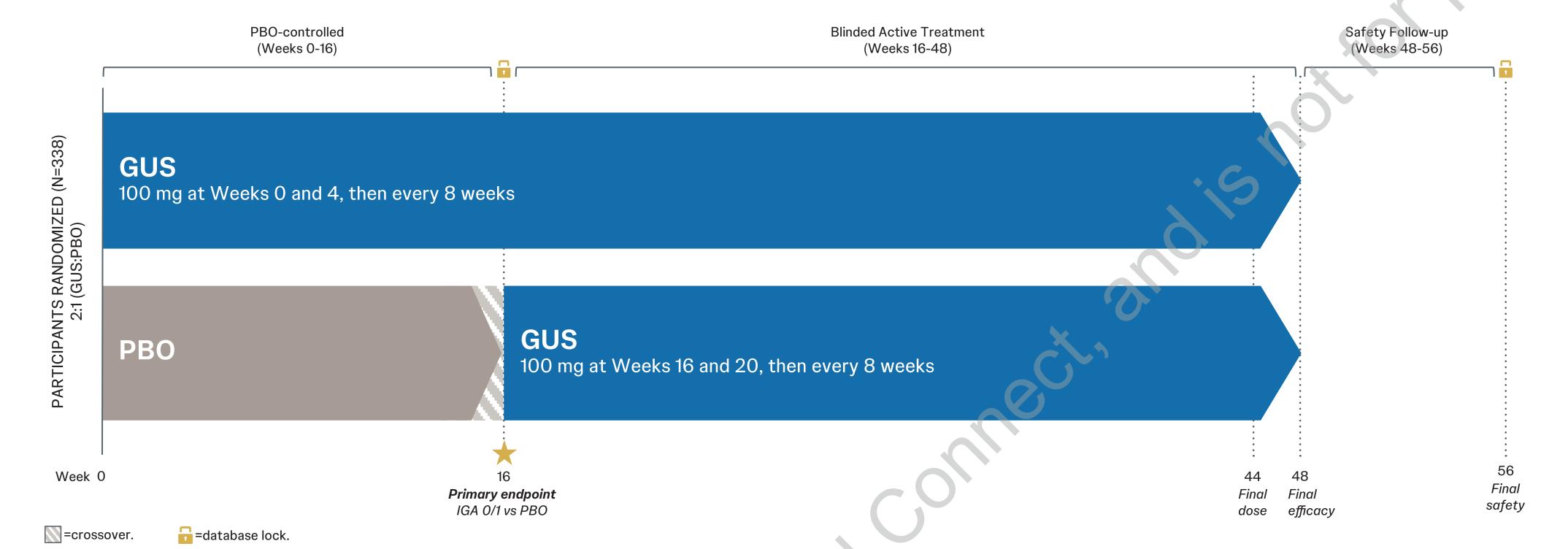
### Methods

### Key inclusion criteria:

- BSA=2-15% with ≥1 plaque outside of high-impact sites ≥1 high-impact site with at least moderate severity (scalp, face, intertriginous, genital)
- A total of 338 participants were randomized to receive GUS (N=225) or PBO (N=113)
- **Endpoints presented at Week 16 include:**

Primary endpoint: proportion of participants achieving

- Proportions of participants achieving overall IGA 0/1 and PASI 90 by number of high-impact sites (one, two,
- three, or four sites<sup>a</sup>) at baseline Patient-reported outcomes by number of high-impact
- sites (one, two, three, or four sitesa) at baseline: - Mean change in PSSD total symptoms score Proportion of participants achieving ≥4-point
- improvement in PSSD itch score Proportion of participants achieving DLQI 0/1
- Proportions of participants achieving ss-IGA 0/1, f-IGA 0/1, i-IGA 0/1, and sPGA-G 0/1 by number of highimpact sites (one, two, three, or four<sup>a</sup>) at baseline <sup>a</sup>Participants in one, two, three, and four high-impact sites are mutually exclusive



## **Key Takeaways**



At 16 weeks, GUS was effective in participants with low BSA, moderate plaque PsO with involvement of ≥1 high-impact sites.

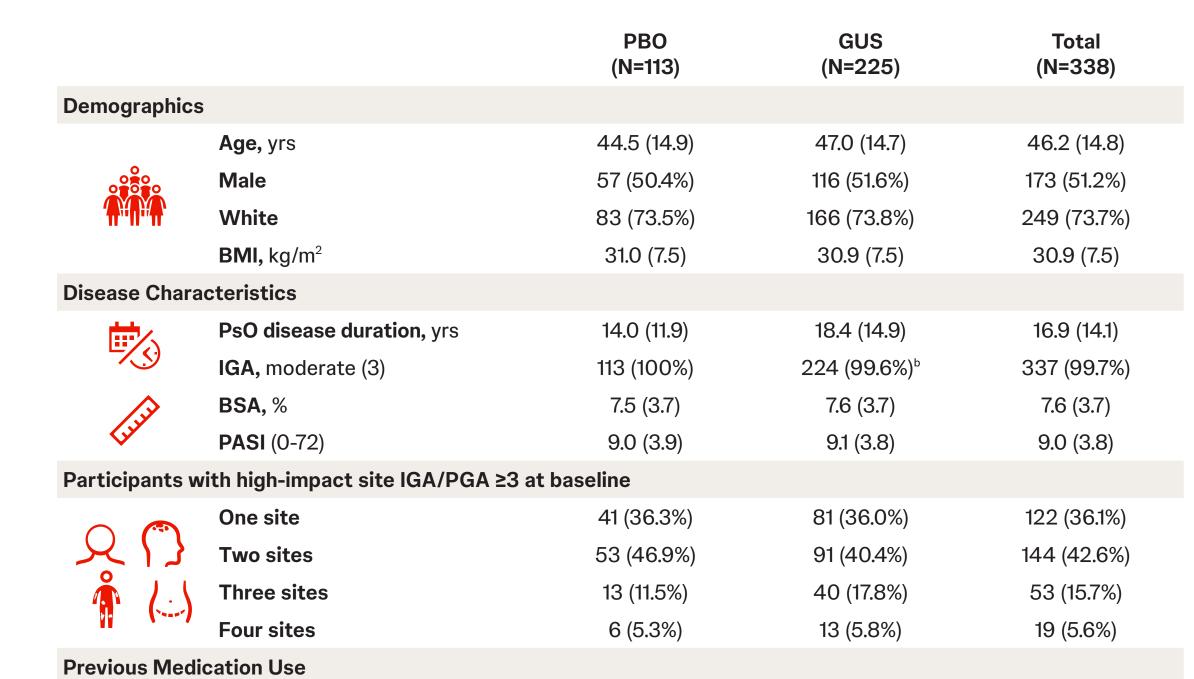


The majority of participants achieved clear/ almost clear skin across high-impact sites after just 3 doses of GUS, regardless of the number of high-impact sites.

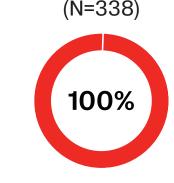
Compared to PBO-randomized participants, greater proportions of GUS-randomized participants had less itch and improved quality of life, regardless of the number of high-impact sites.

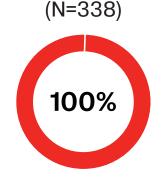
### Results

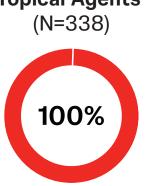
Baseline demographics and disease characteristics were generally comparable between the PBO and GUS groups

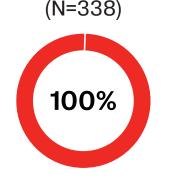




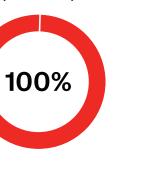




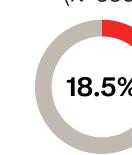




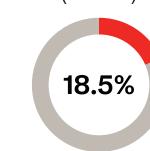


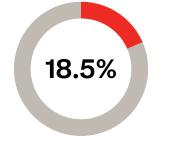


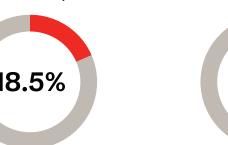


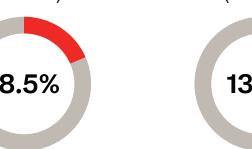




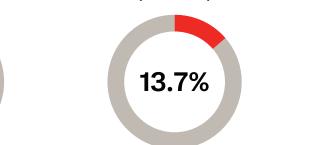












Systemics

**Advanced Orals** 

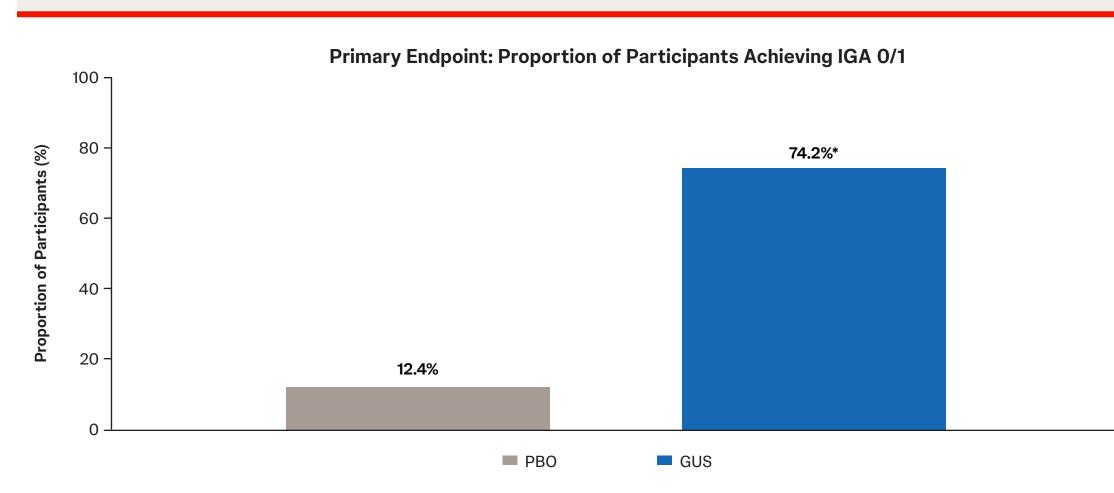
(N=336)

4.5%



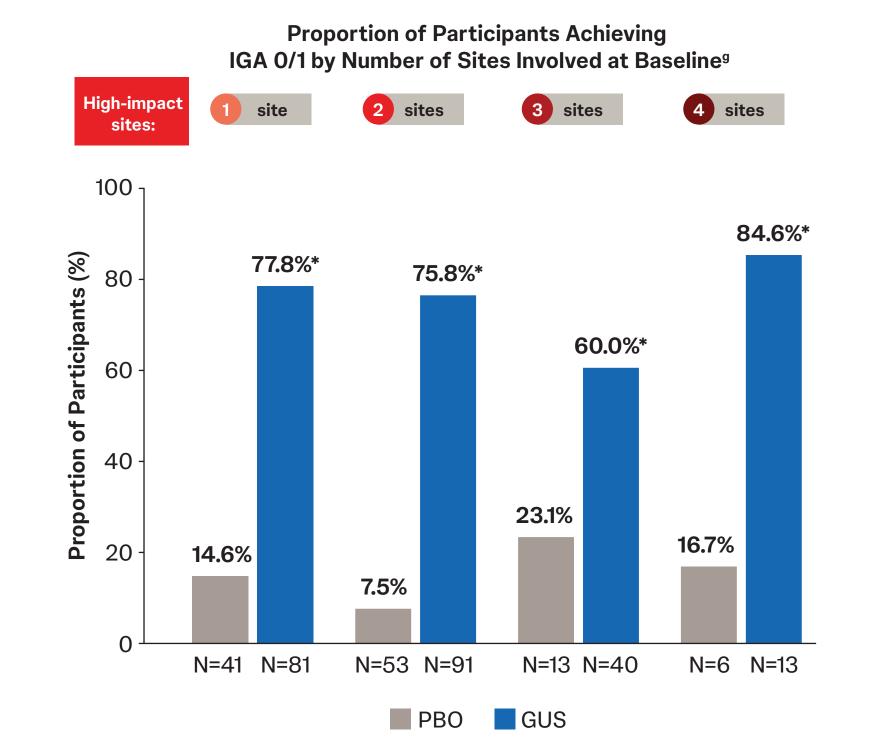
74% of GUS-randomized participants achieved the primary endpoint (IGA 0/1) at

Data shown are mean (SD), unless otherwise indicated. Done GUS-randomized participant deviated from the inclusion criteria with a baseline IGA score of 4: Topical, anthralin, keratolytics, and tar: <sup>d</sup>PUVA and UVB; <sup>e</sup>PUVA, methotrexate, cyclosporine, and acitretin; <sup>f</sup>Apremilast and deucravacitinib. **BMI**=body mass index; **PUVA**=psoralen plus ultraviolet A; **SD**=standard deviation; **UVB**=ultraviolet B.



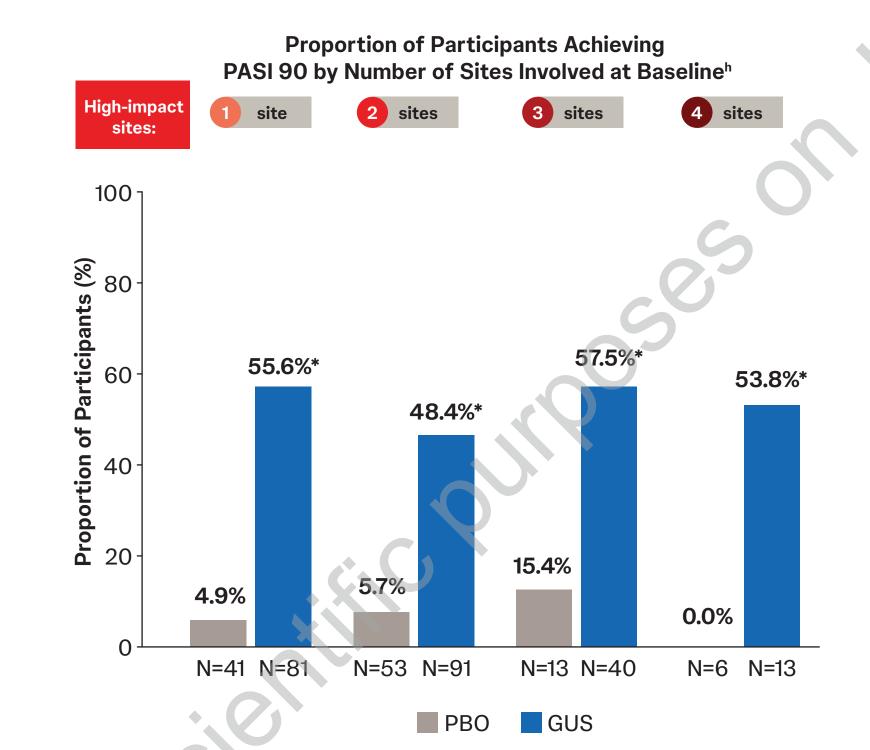
p<0.001 GUS vs PBO; p-value is based on the Cochran-Mantel-Haenszel (CMH) test stratified by high-impact site (scalp, face, intertriginous, genital). Nonresponder imputation (NRI) was used: participants who discontinued study agent due to lack of efficacy, worsening of PsO, or use of a prohibited PsO treatment prior to designated visit were considered nonresponders from that point forward. Participants with missing data were considered nonresponders.

≥60% of GUS-randomized participants achieved IGA 0/1 at Week 16, regardless of number of high-impact sites involved at baseline



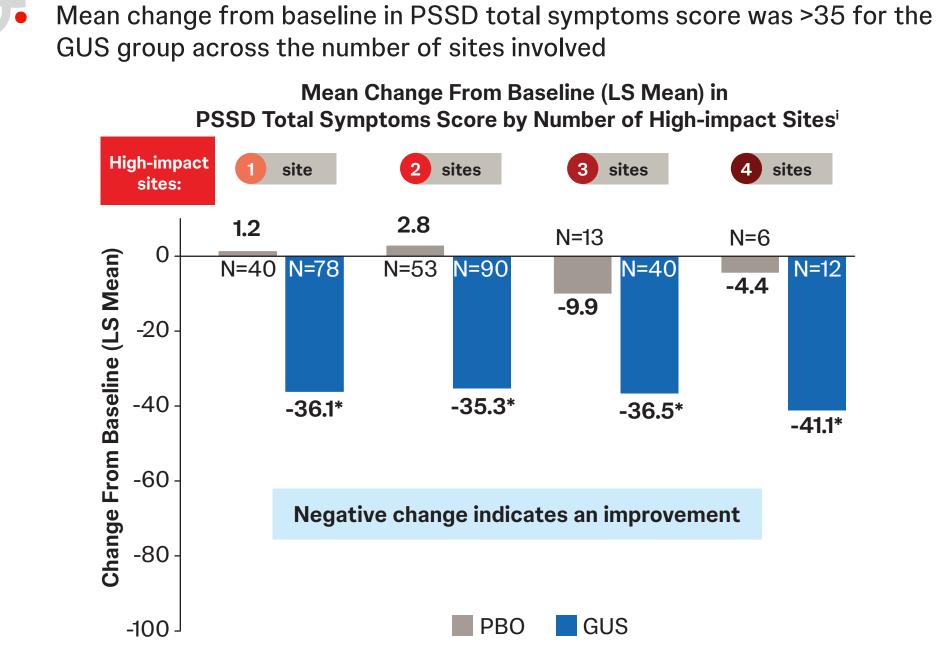
discontinued study agent due to lack of efficacy, worsening of PsO, or use of a prohibited PsO treatment prior to designated visit were considered nonresponders from that point forward. Participants with missing data were considered nonresponders. Among participants with a baseline high-impact site assessment (ss-IGA,

regardless of number of high-impact sites involved at baseline



discontinued study agent due to lack of efficacy, worsening of PsO, or use of a prohibited PsO treatment prior to designated visit were considered nonresponders from that point forward. Participants with missing data were considered nonresponders. hAmong participants with a baseline high-impact site assessment (ss-IGA, f-IGA, i-IGA, and/or sPGA-G) score ≥3.

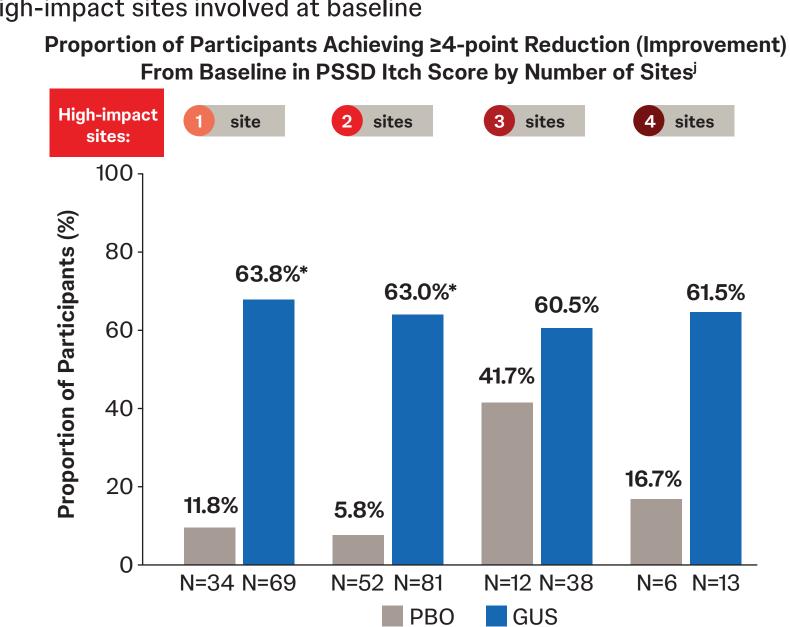
The GUS groups achieved generally comparable mean changes Nearly half of GUS-randomized participants achieved PASI 90, from baseline in PSSD total symptoms scores at Week 16, regardless of number of high-impact sites involved at baseline



symptoms score is  $\geq$ 40 points. When participants discontinued study agent due to lack of efficacy, worsening of psoriasis, or use of a prohibited PsO treatment, zero change was assigned from that point onward. Missing data were handled by MMRM under missing at random assumption. Negative change indicates an improvement, and a positive change indicates worsening of disease. **MMRM**=mixed-model repeated measures.

Greater proportions of GUS-randomized vs PBO-randomized participants achieved ≥4-point reduction (improvement) from baseline in PSSD itch score at Week 16

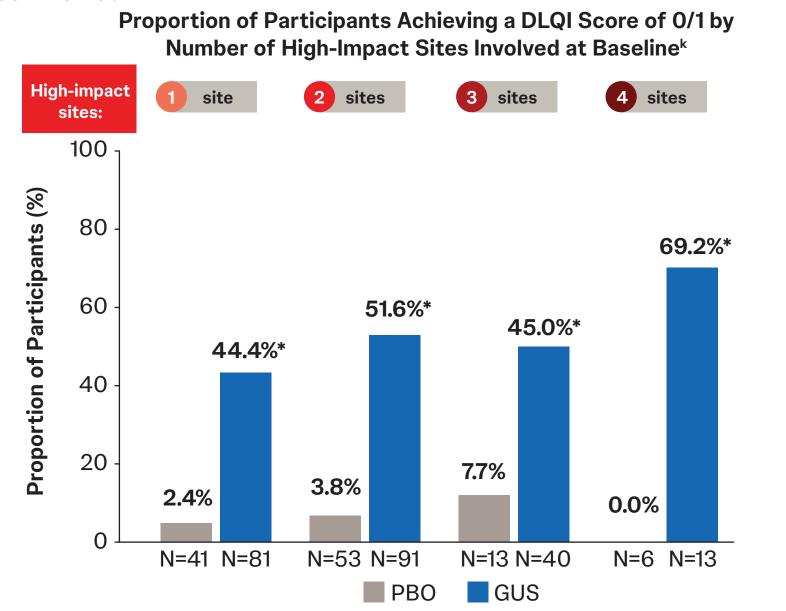
>60% of GUS-randomized participants achieved ≥4-point reduction (improvement) from baseline in PSSD itch score regardless of number of high-impact sites involved at baseline



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Greater proportions of GUS-randomized participants had no effect of PsO on their quality of life compared to PBO-randomized participants at Week 16

• >44% of GUS-randomized participants achieved a DLQI score of 0/1 (no effect on quality of life) at Week 16, regardless of number of high-impact sites involved



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Proportions of participants achieving at least one high-impact site assessment score (ss-IGA, f-IGA, i-IGA, and/or sPGA-G) of 0/1 at Week 16

Efficacy at Week 16 among GUS-treated participants

IGA 0/1, ss-IGA 0/1, i-IGA 0/1, and sPGA-G 0/

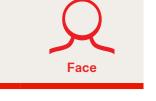
sPGA-G 0/1

GA 0/1 and sPGA-G 0/

GUS-randomized participant who achieved ss-IGA 0 at Week 16'



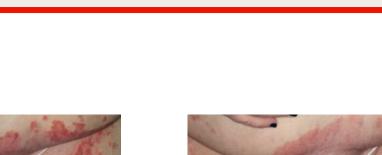
GUS-randomized participant who achieved f-IGA 0 at Week 16<sup>m</sup>



Week 16: f-IGA 0

Week 12: i-IGA 0











Week 16: i-IGA C

Week 4: i-IGA 3

Groups are mutually exclusive and include participants with baseline high-impact site scores  $\geq 3$  who achieved respective site scores of 0/1 at Week 16. Data are shown for groups with  $\geq 10$  participants. NRI was used: participants who discontinued study agent due to lack of efficacy, worsening of PsO, or use of a prohibited PsO treatment prior to designated visit were considered nonresponders from that point <sup>m</sup>f-IGA ≥3 at Baseline. "i-IGA ≥3 at Baseline. °sPGA-G ≥3 and i-IGA ≥3 at Baseline. forward. Participants with missing data were considered nonresponders.

Week 16: ss-IGA 0

Week 4: ss-IGA