

# Psoriasis Patients on Chronic Biologic Therapy May Benefit From Additional Treatment—Study Design and Baseline Characteristics

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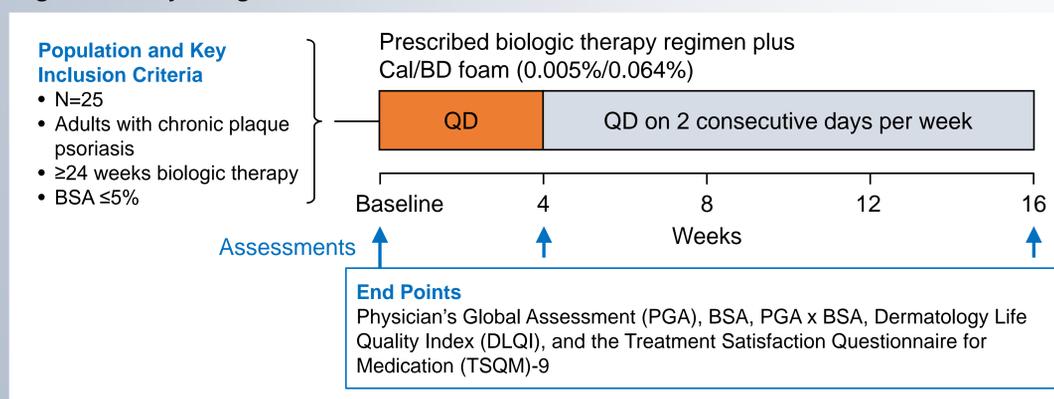
## Background

- More than 50% of patients with psoriasis are dissatisfied with their treatment, including biologic treatment<sup>1</sup>
- Greater disease clearance is desired by patients and is supported by the recent treat-to-target recommendations from the Medical Board of the National Psoriasis Foundation<sup>1</sup>
- Accordingly, patients receiving biologic therapy for psoriasis may benefit from adjunctive therapy with topical agents<sup>2,3</sup>
- Treatment with the foam formulation of calcipotriene 0.005%/betamethasone dipropionate 0.064% (Cal/BD) as a fixed combination topical product is significantly more effective than calcipotriene or betamethasone monotherapy, and is superior to ointment and gel formulations of Cal/BD<sup>4-6</sup>
- Patients with psoriasis who have been treated with biologic therapy for at least 24 weeks are currently being enrolled in a real-world study designed to assess the efficacy and safety of Cal/BD foam as adjunctive therapy
- Described here is the design for this study, as well as the residual disease activity observed in these patients at enrollment

## Methods

- 25 adults with psoriasis (body surface area [BSA] ≤5%) being treated with biologic agents for ≥24 weeks have been enrolled in an open-label, single-arm, observational study (Figure 1)
- In addition to their biologic therapy, all patients will receive Cal/BD foam QD for 4 weeks, followed by Cal/BD foam on 2 consecutive days weekly for an additional 12 weeks
- The end points will be assessed at baseline, week 4, and week 16
- Safety evaluations include assessments of local skin reactions and adverse events (AEs)

Figure 1. Study Design



## Demographics

- 18 men and 7 women; mean age, 53 years (Table 1)
- Most of the patients are Caucasian (84%), with the remaining patients being Hispanic (16%)
- On average, patients have had a 24-year history of psoriasis

Table 1. Baseline Demographics

	Patients (N=25)
Age, years	53 (11)
Sex	
Female	7 (28%)
Male	18 (72%)
Race	
Caucasian	21 (84%)
Hispanic	4 (16%)
Years of psoriasis	24 (13)

Data are median (SD) or n (%).

## Disease Characteristics

- Approximately half of the patients are being managed with ustekinumab as their biologic agent (Table 2)
- At enrollment, the patients were experiencing psoriasis disease activity that warranted either adding therapy or switching to a different biologic agent
  - Based on PGA, BSA, and PGA x BSA scores
  - Only 3 patients (12%) met the treat-to-target criterion of BSA ≤1%

Table 2. Baseline Disease Characteristics

	Patients (N=25)
Biologics in use at baseline	
Ustekinumab	13 (52%)
Adalimumab	5 (20%)
Secukinumab	5 (20%)
Etanercept	1 (4%)
Ixekizumab	1 (4%)
PGA	3 (2-3)
BSA, %	3 (2-4)
PGA x BSA	8 (6-12)

Data are mean (IQR) or n (%). IQR=interquartile range, representing the range of values between the 25th and 75th percentiles of the study population.

## Quality of Life and Lesion Description

- The health-related quality of life of the patients continues to be affected by psoriasis despite ≥24 weeks of biologic therapy, as indicated by their DLQI scores (Table 3)
- Itching and burning/stinging of the psoriatic lesions is present in the majority of the patients
- 40% of the patients experience dryness in their lesions, as observed by the investigator
- None of the patients had skin atrophy, striae, telangiectasiae health-related quality of life of the patients, or folliculitis at baseline

Table 3. Baseline Observations

	Patients (N=25)
DLQI <sup>a</sup>	3 (1-4)
Psoriasis itching score ≥1 <sup>a</sup>	17 (68%)
Psoriasis burning/stinging score ≥1 <sup>a</sup>	5 (20%)
Psoriasis dryness score ≥1 <sup>b</sup>	10 (40%)

Data are median (IQR) or n (%).  
<sup>a</sup>As reported by the patient.  
<sup>b</sup>As observed by the investigator.

## Conclusions

- This study reveals that despite ≥24 weeks of stable biologic therapy for psoriasis, significant disease activity remains in this unique, real-world patient population, highlighting an unrecognized, unmet medical need
- Residual disease activity was demonstrated by several measures, including scores up to 4 for PGA, 5 for BSA, and 16 for DLQI
- Patients with psoriasis desire disease clearance. The disease activity experienced by the patients in this study warrants additional treatment to better control the disease
- The itching, burning, and dryness experienced by the majority of the patients compromised their quality of life
- The effect of Cal/BD foam in clearing residual disease activity for this unique patient population on stable biologic therapy is being investigated in this study
- This study will help to better elucidate the disease characteristics and optimal management of this patient population

## References

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Dr. Bagel is an advisor, consultant, investigator, and speaker for AbbVie, Amgen, Celgene, Janssen, Eli Lilly, LEO Pharma, Novartis, and Regeneron; he is an investigator and consultant for Pfizer and an investigator for Valeant, Lycera, UCB, and Actelion; he is Founder of Windsor Dermatology  
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