

# Clinical efficacy and patient-reported impacts of roflumilast foam 0.3% in seborrheic dermatitis: An analysis of STRATUM data for patients unresponsive or intolerant to topical corticosteroids

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## SYNOPSIS

- Seborrheic dermatitis (SD) is a chronic, inflammatory, dermatologic condition that causes flaking scales and persistent itching.<sup>1</sup> Treatment options include topical corticosteroids (TCS), which present challenges such as limited efficacy and adverse effects<sup>1</sup>
- In the Phase 3 STRATUM trial, roflumilast foam 0.3% demonstrated efficacy and tolerability in the treatment of moderate-to-severe SD (Table 1)<sup>2</sup>
- This subgroup analysis supports that roflumilast foam 0.3% provides meaningful efficacy and quality-of-life (QOL) improvements in patients with SD who report an inadequate response, intolerance, or contraindication to TCS prior to enrollment in STRATUM

## OBJECTIVE

- The aim of this subgroup analysis was to assess the efficacy and patient-reported QOL effects of roflumilast foam 0.3% versus vehicle in patients with moderate-to-severe SD who reported an inadequate response, intolerance, or contraindication to TCS prior to enrollment in STRATUM

## METHODS

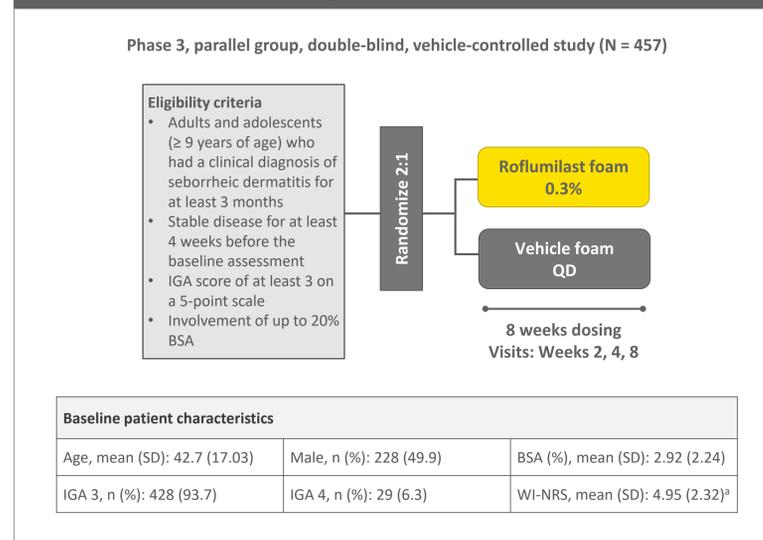
- Patients aged ≥ 9 years with at least moderate SD (Investigator Global Assessment [IGA] ≥ 3) who reported a previous inadequate response, intolerance, or contraindication to TCS were randomized 2:1 to roflumilast foam 0.3% or vehicle for 8 weeks
- Efficacy was assessed using a 5-point physician-evaluated IGA – a common clinical endpoint used in dermatology trials. The primary efficacy endpoint was IGA success (Clear or Almost Clear with at least a 2-grade improvement) at Week 8
- QOL was evaluated in patients aged ≥ 17 years using the Dermatology Life Quality Index (DLQI) – a validated patient-reported questionnaire (score range of 0–30), with higher scores indicating greater QOL effects. Endpoints included percentage change from baseline in DLQI score, achievement of a minimal important difference (MID; defined as at least a 4-point reduction in baseline DLQI score), and achievement of a DLQI score of 0 or 1 (indicating no disease effect at all) by treatment group at Weeks 2, 4, and 8

- Differences in change from baseline DLQI scores were assessed using the Kruskal-Wallis test. The Cochran–Mantel–Haenszel test was used to assess differences in the proportion of patients achieving binary endpoints between treatment groups

## RESULTS

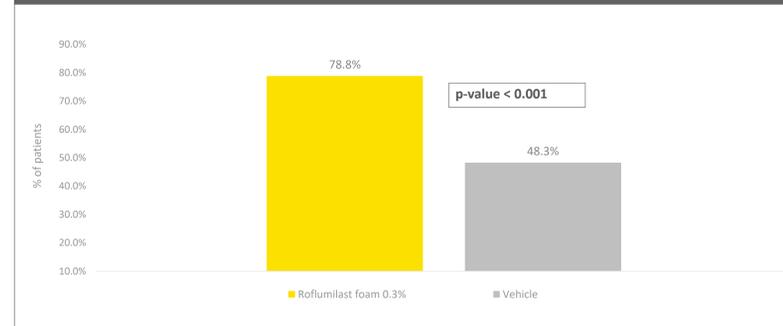
- 189 patients at baseline were included in the subgroup analysis (129 roflumilast foam 0.3%; 60 vehicle). At Week 8, 78.8% of roflumilast foam 0.3% patients achieved IGA success versus 48.3% of vehicle patients (odds ratio [OR]: 3.45; 95% confidence interval [CI]: 1.62, 7.36;  $p < 0.001$ ) (Figure 1)
- At all time points, percentage change from baseline in DLQI score was significantly greater for roflumilast foam 0.3%-treated patients relative to vehicle (Figure 2)
- Treatment with roflumilast foam 0.3% significantly increased the odds of achieving an MID in DLQI score from baseline to Weeks 2, 4, and 8 compared with vehicle (OR: 6.97; 95% CI: 3.97, 12.24;  $p < 0.001$ ) (Figure 3)
- Relative to vehicle, the odds of achieving a DLQI score of 0 or 1 from baseline to Weeks 2, 4, and 8 was significantly higher for patients treated with roflumilast foam 0.3% (OR: 2.46; 95% CI: 1.58, 3.81;  $p < 0.001$ ) (Figure 4)

Table 1. STRATUM study design<sup>2</sup>



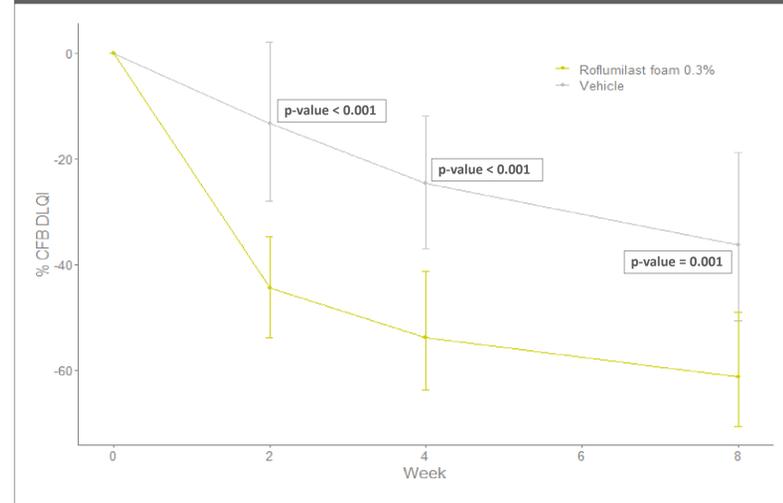
Key: BSA, body surface area; IGA, Investigator Global Assessment; QD, once daily; SD, standard deviation; WI-NRS, Worst Itch Numeric Rating Scale.

Figure 1. Patients achieving IGA success by treatment group at Week 8



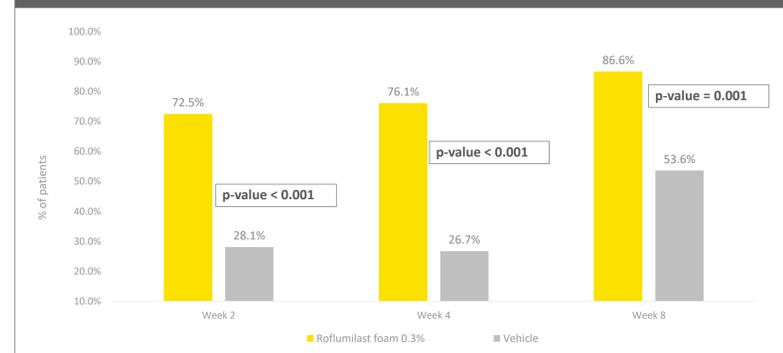
Key: IGA, Investigator Global Assessment.

Figure 2. Percentage change in baseline DLQI score by treatment group



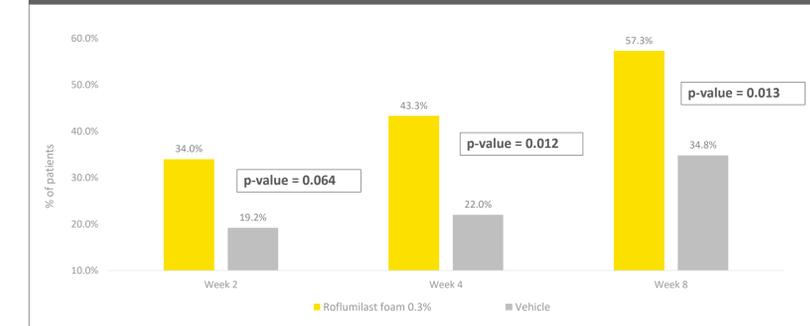
Key: CFB, change from baseline; DLQI, Dermatology Life Quality Index.

Figure 3. Patients achieving an MID in DLQI score by treatment group



Note: Patients were required to have a baseline DLQI score >4 for this analysis.  
Key: DLQI, Dermatology Life Quality Index; MID, minimally important difference.

Figure 4. Patients achieving a DLQI score of 0 or 1 by treatment group



Key: DLQI, Dermatology Life Quality Index.

## LIMITATIONS

- The limited follow-up period of 8 weeks in STRATUM may not allow for the assessment of long-term QOL impacts associated with roflumilast foam 0.3%
- Although the DLQI is a commonly used endpoint in dermatology clinical trials, it is not specific to SD and may not reflect the full impact of SD
- Patients with IGA scores below 3 were not included in the analysis; therefore, conclusions may not be applicable to those with SD classified as Mild (2)
- QOL was not assessed in participants from STRATUM aged 9 to < 17 years. QOL results may need to be confirmed in younger patients

## CONCLUSIONS

- Patients with SD and an inadequate response, intolerance, or contraindication to TCS had approximately 3.5 times greater odds of achieving IGA success with roflumilast foam 0.3% treatment compared with vehicle
- Roflumilast foam 0.3% was associated with a rapid and significant improvement in DLQI scores relative to vehicle in this patient population. Furthermore, roflumilast foam 0.3%-treated patients had six times greater odds of achieving a clinically meaningful difference in DLQI score and twice likely to achieve a score of 0 or 1
- Roflumilast foam 0.3% may offer important benefits for patients with SD when treatment with TCS is unsuccessful or contraindicated. This should be considered by providers and healthcare decision-makers when assessing treatment options for these patients

## DISCLOSURES

This study was funded by Arcutis Biotherapeutics, Inc. DC and BS are employees of Arcutis Biotherapeutics, Inc. JL, BB, CH, RB, and TW are employees of Lumanity, Inc., a consulting company that provides paid consulting services to Arcutis Biotherapeutics, Inc. MZ is an employee of DOCS Dermatology.

## REFERENCES

- Dall'Oglio F, et al. *Clin Cosmet Investig Dermatol*. 2022 Aug 6;15:1537-1548. 2. Arcutis Biotherapeutics, Inc. Data on file, 2023.