Patient- and clinician-reported outcomes of tirbanibulin 1% in the treatment of actinic keratosis on the face and scalp (PROAK study)

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Synopsis

 Actinic Keratosis (AK) has been shown to negatively affect emotional and social functioning and skin-related quality of life of patients.¹

Objective

• The objective of this analysis was to evaluate clinician- and patient-reported outcomes (ClinRO; PRO) for tirbanibulin treatment satisfaction and effectiveness among patients administered tirbanibulin in routine clinical practice across the U.S.

Methods

- A single-arm, multicenter, prospective cohort study (PROAK: NCT05260073) was conducted in adult patients with AKs on 25 cm² on the face or scalp and treated with once-daily tirbanibulin 1% ointment (5 consecutive days course) as part of usual care.
- Patients and clinicians completed surveys and clinical assessments at baseline, Week-8, and Week-24.
- ClinRO and PRO comprised:
- Treatment Satisfaction Questionnaire for Medication (TSQM-9) (with 3 domains: treatment effectiveness, convenience of use, and global satisfaction with treatment)
- Expert Panel Questionnaire (EPQ) (assessing overall skin appearance, satisfaction with improvement in "skin texture" and "how skin looks", and likelihood to consider tirbanibulin again).
- Clinicians assessed AK responses using Investigator's Global Assessment (IGA) and patient's skin photodamage severity scale. IGA success was defined as achieving IGA score of 0-1 (≥75% AK lesions clearance).
- Data at Week-8 was already published. Here we present the results at Week-24.

Results

- A total of 278 patients completed study assessments at Week-24 (mean age: 66.3 years; 68.6% males; Fitzpatrick skin type II: 71.4%).
- At Week-24, clinicians and patients reported similar, high levels of tirbanibulin treatment satisfaction for the 3 domains of TSQM-9 (**Figure 1**).
- At Week-24, clinicians and patients reported a high levels of satisfaction with tirbanibulin treatment to improve 'how skin looks' and 'skin texture' (**Figure 2**), and high likelihood for considering tirbanibulin treatment in the future (**Figure 3**).
- At Week-24, 83.6% of clinicians and 78.5% of patients rated overall skin appearance after tirbanibulin treatment to be mostly somewhat/much improved.

- At Week-24, the proportion of patients with completely/partially cleared AK (IGA 0/1) was 71.9% (**Figure 4**), like that obtained at Week-8 (73.8%).¹
- Moderate/severe skin photodamage improved from 76.9% patients at baseline to 42.1% of patients at week-24. The reduction of skin photodamage severity at week-24 measured by changes from baseline was statistically significant (p<0.0001).

Figure 1. Satisfaction across the key tirbanibulin treatment attributes, at week-24

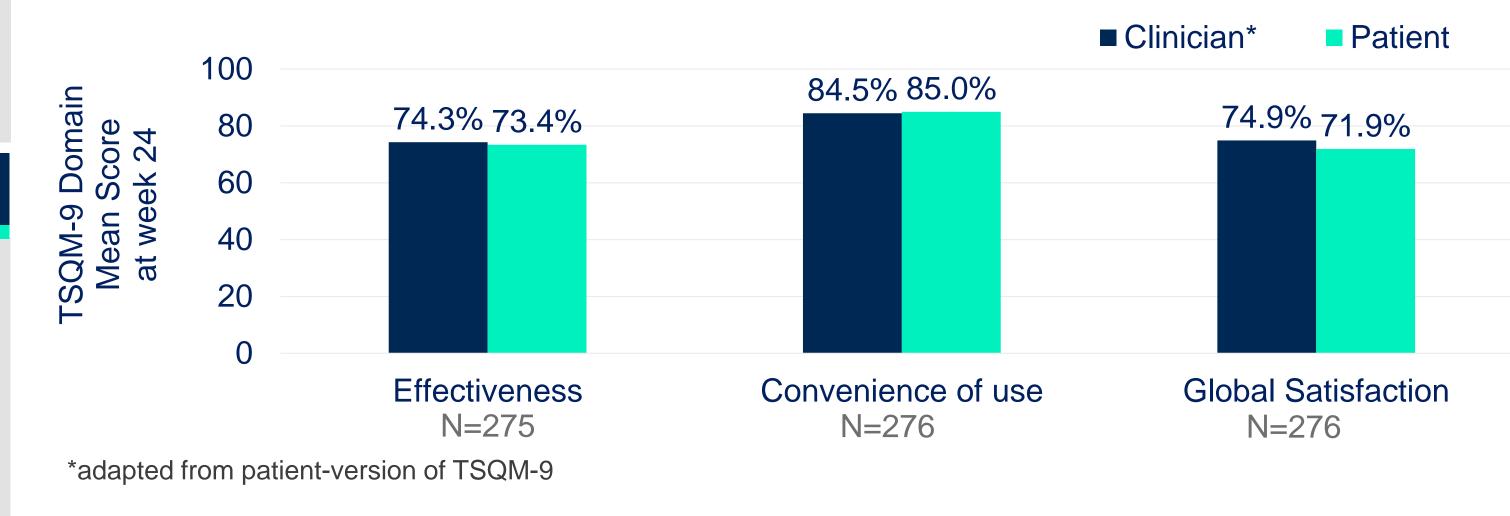
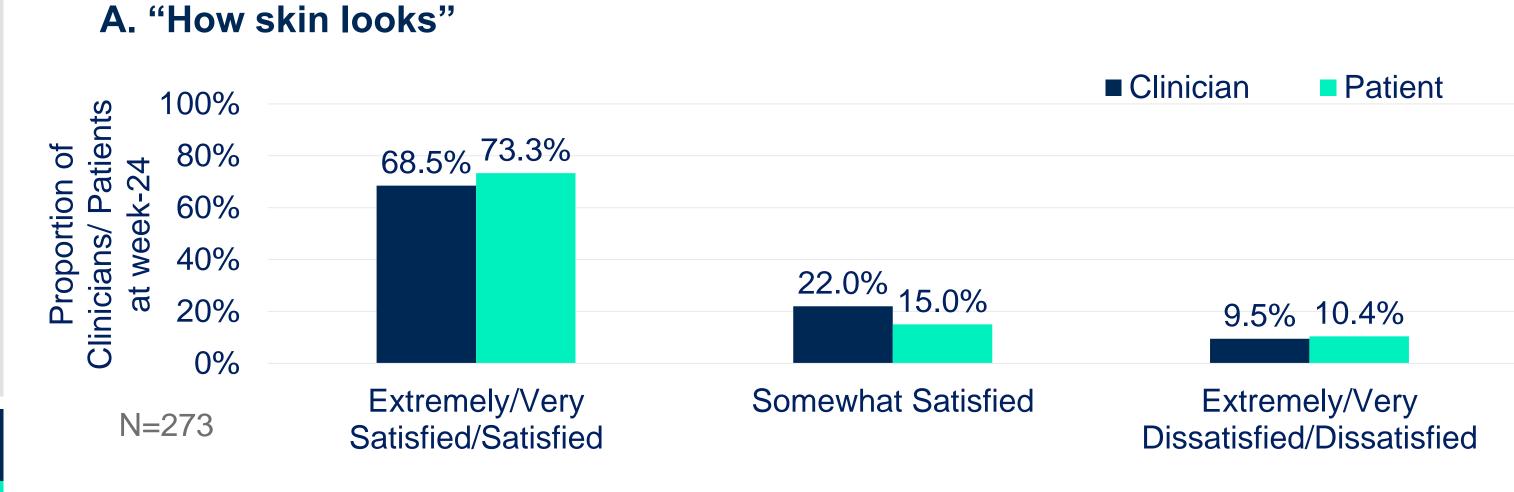


Figure 2. Satisfaction rating for improvement in "how skin looks" and "skin texture"





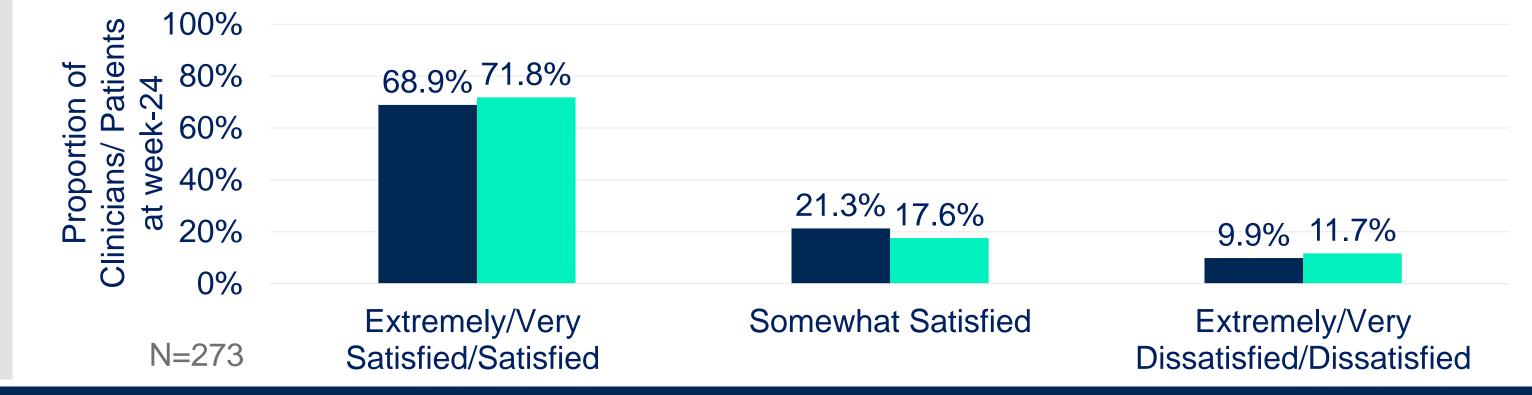


Figure 3. Likelihood to consider tirbanibulin to treat AK lesions in future

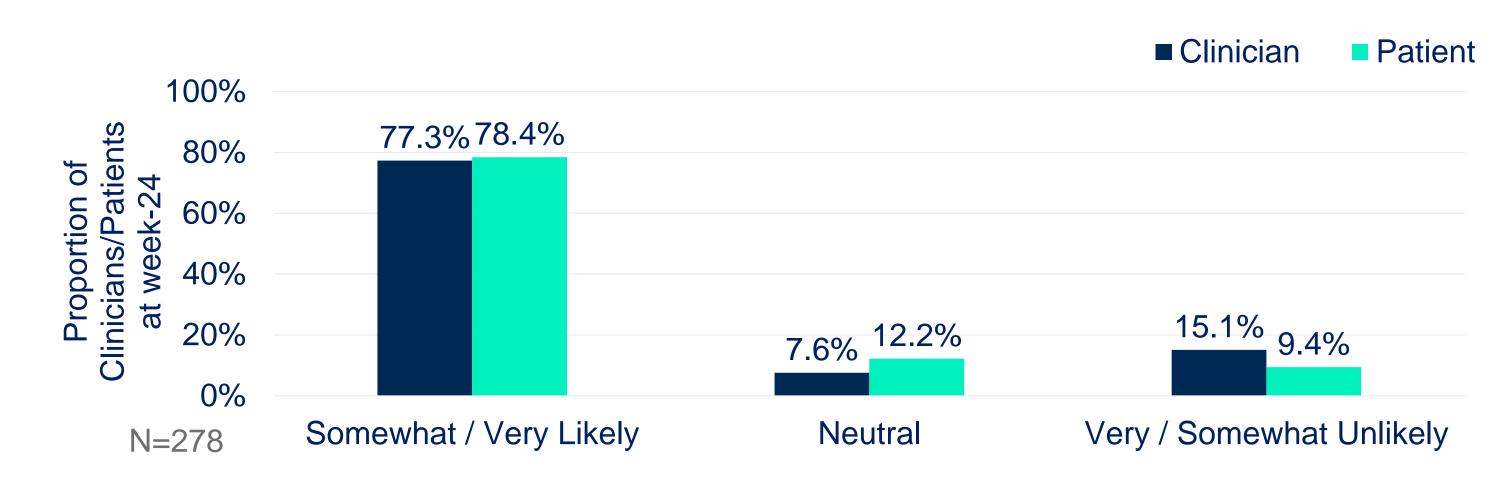
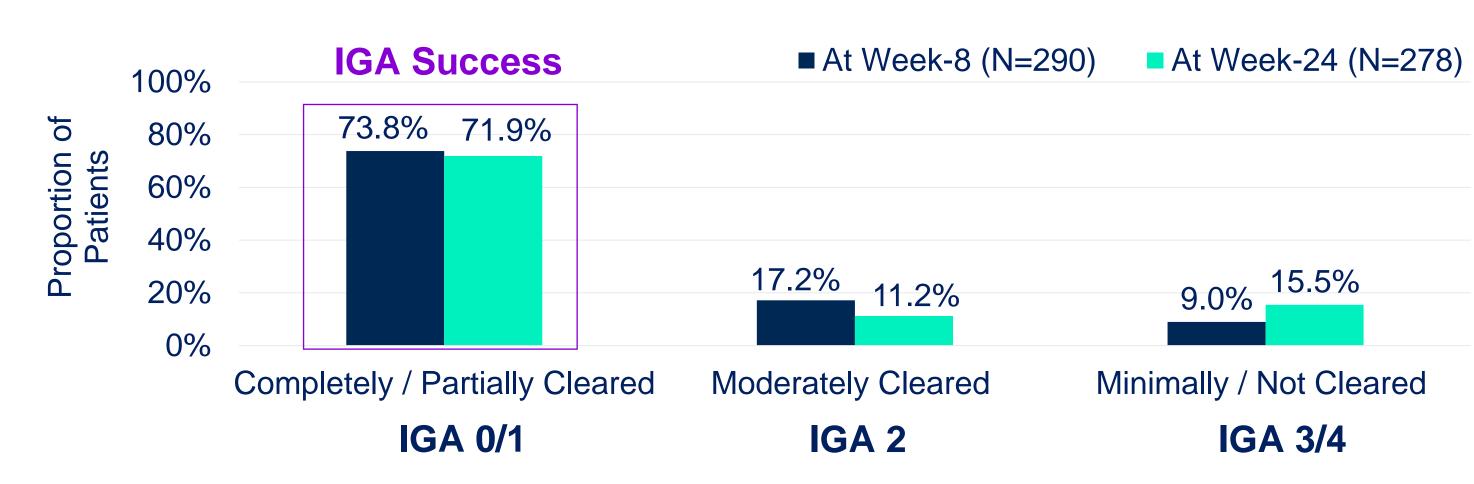


Figure 4. Clinician-reported overall improvement in Actinic Keratosis



Conclusion

- In real world, AK lesion clearance ≥75% (effectiveness) was stable over time (same in Week-8 [73.8% patients] and Week-24 [71.9% patients]).
- ClinROs and PROs demonstrated high satisfaction with once-daily tirbanibulin treatment for 5 consecutive days at Week-24, and both clinicians and patients reported a desire to consider tirbanibulin treatment in the future.

References

¹Schlesinger T et al. Skin. 2023;7(3):771-787

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Conflicts of interest

TS: consulting honoraria from Abbvie, Allergan, Almirall, Arcutis, Biofrontera, BMS, Castle Bioscience, CMS Aesthetics DCME, EPI Health, Foundation for Research and Education in Dermatology, Salte Plasmed, Prolacta Biosciences, Regeneron, Sanoti Genzyme, Sisa, Trevi, and Verrica. Speakers and Sun Pharmac US, Altenea, Pulse Biosciences, Regeneron, Sanoti Genzyme, Sisa, Trevi, and Verrica. Speakers bureavidy sory Board honoraria from Abbvie, Almirall, Amgen, Arcutis, Bioferontera, Speakers, Dusa, Valva Biosciences, Regeneron, Sanoti Genzyme, Sisa, Trevi, and Verrica. Speakers bureavidy sory Board honoraria from Abbvie, Almirall, Amgen, Arcutis, Bioferontera, Corporation, BMS, Lilly, and Remedy, JDR: researcher, consultant, and speaker for Almirall, VAPs: speakers bureavidy sory Board honoraria from Abbvie, Almirall, Amgen, Arcutis, Bioferontera, Biosciences, Castle Biosciences, Castle Biosciences, Regeneron, Remedy, Sanoti Genzyme, Sisa, Trevi, and Verrica. Speakers, Dusa, Valva Biosciences, Consultant, and Sun Pharma, CUR, Medical Bioteches, Dusa, Valva Biosciences, Consultant, and Sun Pharma, Currica Speakers, Board Sun Pharma, Currica, Speakers, Burba, Valva Biosciences, Consultant, Sun Pharma, Currica, Speakers, Burba, Sun Pharma, Currica, Sun Pharma, Currica, Sun Pharma