

Efficacy of clascoterone cream 1% through up to 12 months from a long-term extension study in patients ≥9 years of age with acne vulgaris

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INTRODUCTION

- 1% clascoterone cream is an androgen receptor inhibitor approved for the topical treatment of acne vulgaris in patients ages 12 years and older¹
- In 2 identical, multicenter, randomized, vehicle-controlled, double-blind, Phase 3 studies (CB-03-01/25 and CB-03-01/26) in patients with moderate-to-severe facial acne vulgaris, twice-daily treatment with 1% clascoterone cream for 12 weeks resulted in significantly higher treatment success rates and greater reduction in lesion counts compared with vehicle treatment²
 - Clascoterone was well tolerated, with a safety profile similar to that of vehicle
- Patients from the Phase 3 studies could enter an optional long-term, open-label safety study; the safety results from that study are published³

OBJECTIVE

- To evaluate the long-term efficacy of twice-daily 1% clascoterone cream in patients who completed the long-term extension study per protocol

METHODS

- A multicenter, open-label, long-term extension study (CB-03-01/27) enrolled patients who completed 1 of the 12-week Phase 3 clinical trials (CB-03-01/25 and CB-03-01/26)
- Male or nonpregnant female patients ≥9 years of age who completed 1 of the 12-week Phase 3 pivotal clinical trials (CB-03-01/25 and CB-03-01/26) and enrolled within 3 days of the final pivotal trial visit were eligible
 - Patients with any skin pathology or condition that could interfere with the study or who planned to use other topical or systemic anti-acne preparations or undergo procedures on the face (or trunk, if applicable) were excluded
- Patients applied 1% clascoterone cream twice daily to the entire face and, if designated by the investigator and desired by the patient, to truncal acne, for 9 additional months of treatment
 - Total time on clascoterone including the Phase 3 studies could be up to 12 months for patients originally randomized to clascoterone treatment
 - Clascoterone treatment could be discontinued if the Investigator Global Assessment (IGA) score was 0 or 1 (clear/almost clear) and reinstated if/when acne worsened
- Efficacy was evaluated from the IGA severity score for each treatment area, as applicable
 - Assessed at every in-clinic study visit (baseline and Days 29, 85, 183, and 274) using a 5-point IGA (0, clear; 4, severe)
 - Efficacy analyses were performed on the per-protocol (PP) set, which included all patients who completed the study without significant protocol violations and remained on the trial at that time

RESULTS

Patient demographics

- The PP population included 324 patients, of whom 324 (100.0%), 324 (100.0%), 274 (84.6%), and 119 (36.7%) were on clascoterone for a total of 3, 6, 9, and 12 months, respectively
 - During the Phase 3 studies, 169 and 155 PP patients had received 1% clascoterone cream and vehicle, respectively
 - In the extension study, 126 PP patients also treated truncal acne, including 68 and 58 who received 1% clascoterone cream and vehicle, respectively, during the Phase 3 studies
- The majority of patients were female and White; mean age was 19.7 years (Table 1)
- Baseline IGA scores for the face and trunk were mild or moderate in the majority of patients
 - A higher proportion of patients who originally received 1% clascoterone cream during the Phase 3 studies had mild truncal acne at baseline relative to those who had been applying vehicle cream (Table 1)

Efficacy

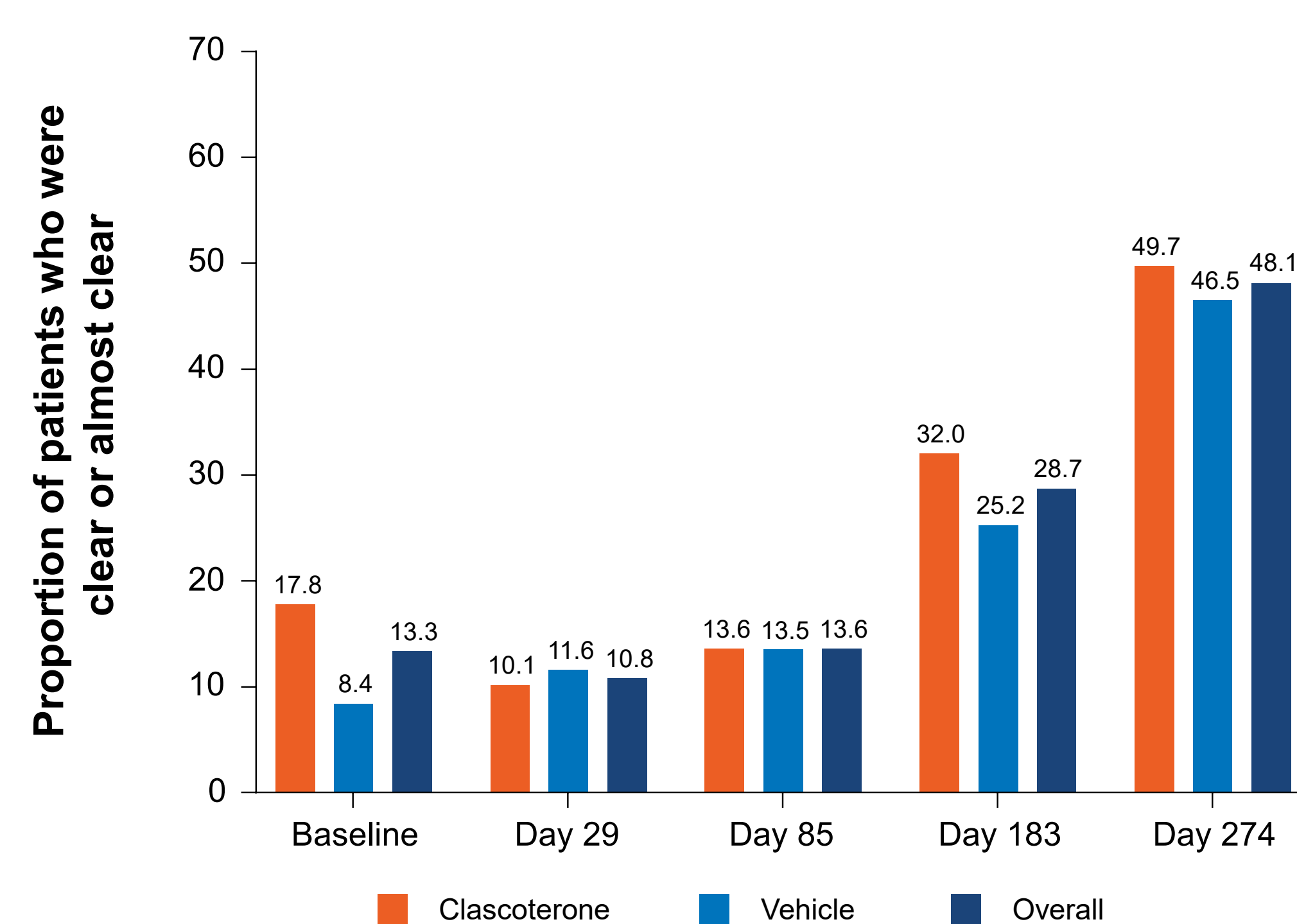
- Among patients who completed the study without major protocol violations, the proportion with clear or almost clear facial acne (IGA score 0/1) increased over time during treatment with 1% clascoterone cream, with almost half of all patients (48.1%) having a facial IGA score of 0/1 at the end of the study (Day 274; Figure 1)
 - Similar proportions of patients who originally received 1% clascoterone cream or vehicle in the Phase 3 studies were clear or almost clear at the end of the study
- The overall proportion of PP patients with clear or almost clear truncal acne increased over time with 1% clascoterone cream treatment (Figure 2)
 - At the end of the study, the proportion of patients with a truncal IGA score of 0/1 was higher among those originally assigned to treatment with 1% clascoterone cream vs vehicle (61.8% vs 41.3%)
- Consistent with IGA results at each study visit, the overall proportions of PP patients who were clear or almost clear on the face and trunk increased with time on 1% clascoterone cream treatment, with the greatest proportion of patients who were clear or almost clear observed after 12 and 9 months, respectively, of treatment with 1% clascoterone cream (Figures 3–4)

Table 1. Baseline demographics and clinical characteristics (per-protocol population)

	Clascoterone n = 169	Vehicle n = 155	Overall N = 324
Sex, female	99 (58.6)	100 (64.5)	199 (61.4)
Age, years, mean ± SD	19.6 ± 6.2	19.7 ± 7.1	19.7 ± 6.6
Race			
White	158 (93.5)	135 (87.1)	293 (90.4)
Black or African American	6 (3.6)	11 (7.1)	17 (5.2)
Asian	2 (1.2)	5 (3.2)	7 (2.2)
Native Hawaiian or other Pacific Islander	1 (0.6)	1 (0.6)	2 (0.6)
American Indian or Alaska Native	1 (0.6)	0	1 (0.3)
Other	1 (0.6)	1 (0.6)	2 (0.6)
Multiple	0	2 (1.3)	2 (0.6)
Ethnicity			
Non-Hispanic or Latino	159 (94.1)	148 (95.5)	307 (94.8)
Height, cm, mean ± SD	170.2 ± 10.0	169.1 ± 8.9	169.7 ± 9.5
Weight, kg, mean ± SD	66.3 ± 16.2	66.2 ± 16.9	66.2 ± 16.5
Body mass index, kg/m ² , mean ± SD	22.8 ± 4.9	23.1 ± 5.4	22.9 ± 5.2
Facial IGA			
0 (clear)	0	0	0
1 (almost clear)	30 (17.8)	13 (8.4)	43 (13.3)
2 (mild)	72 (42.6)	59 (38.1)	131 (40.4)
3 (moderate)	60 (35.5)	73 (47.1)	133 (41.0)
4 (severe)	7 (4.1)	10 (6.5)	17 (5.2)
Truncal IGA ^a			
0 (clear)	1 (1.5)	0	1 (0.8)
1 (almost clear)	1 (1.5)	3 (5.2)	4 (3.2)
2 (mild)	47 (69.1)	25 (43.1)	72 (57.1)
3 (moderate)	15 (22.1)	27 (46.6)	42 (33.3)
4 (severe)	3 (4.4)	1 (1.7)	4 (3.2)
Not done	1 (1.5)	2 (3.4)	3 (2.4)

Data shown as n (%) unless otherwise noted.
^an = 68 clascoterone, n = 58 vehicle, N = 126 overall.
 IGA, Investigator Global Assessment; SD, standard deviation.

Figure 1. Proportion of patients with IGA of 0 or 1 (clear or almost clear) for the face at all visits (PP set)



Patients are summarized overall and according to the original test article they received in the Phase 3 pivotal studies (CB-03-01/25 and CB-03-01/26).
 IGA, Investigator Global Assessment; PP, per-protocol.

CONCLUSIONS

- Efficacy and safety³ of 1% clascoterone cream for the treatment of acne vulgaris are maintained for up to 12 months
- Among patients who completed the study without major protocol violations, the proportion achieving clear or almost clear skin on the face and trunk increased with duration of 1% clascoterone cream treatment and was highest for patients on clascoterone for 12 months

REFERENCES

1) WINLEV® (1% clascoterone cream). Full prescribing information. Sun Pharmaceutical Industries, Inc. 2021; 2) Hebert A, et al. *JAMA Dermatol*. 2020;156(6):621–30; 3) Eichenfield L, et al. *J Am Acad Dermatol*. 2020;83(2):477–85.

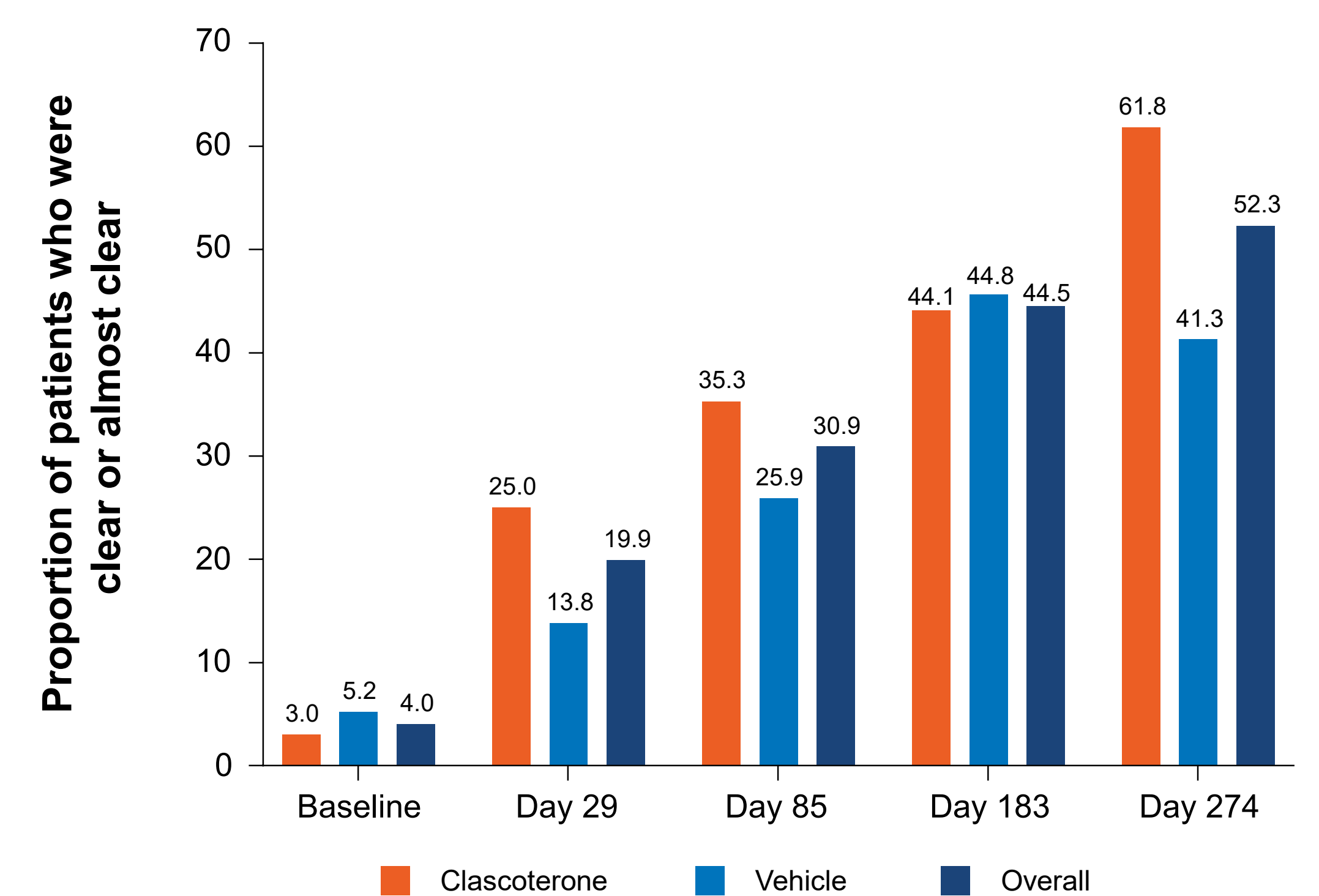
ACKNOWLEDGMENTS

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DISCLOSURES

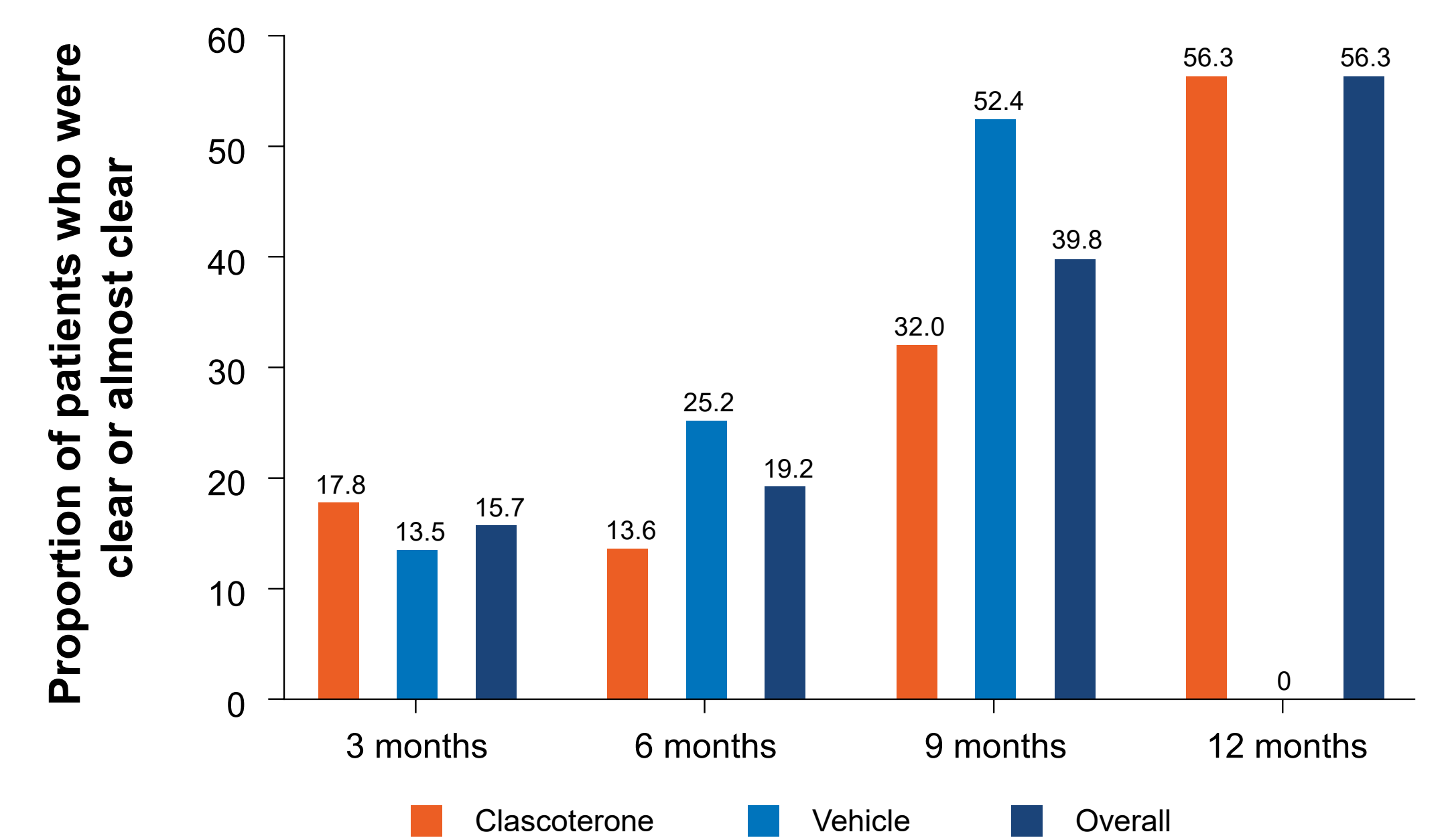
LE has served as an investigator, advisor, or consultant for Allergan, Almirall, Foamix Pharmaceuticals, Galderma Laboratories, L'Oréal, and Ortho Dermatologics. AAH is an employee of the McGovern Medical School of The University of Texas Health Science Center in Houston, which received compensation from Cassiopea S.p.A. for study participation; she also received an honorarium for serving on the Cassiopea advisory board. LSG is an employee of the Henry Ford Health System in Detroit, MI, which received compensation from Cassiopea S.p.A. for study participation; she has also received personal fees for advisory, speaking, consulting, research, and/or other fees with Almirall, Foamix, Galderma Laboratories, Novartis, Sol-Gel, and Sun Pharma. MC was employed as the senior director of medical affairs for Cassiopea, Inc., at the time the work was conducted; receives personal fees as a consultant from Cassiopea S.p.A.; receives personal fees as an adjunct faculty member from the University of Arizona; holds stock options in Cassiopea S.p.A.; and is a consultant to Abbott Nutrition. LM is an employee of Cassiopea S.p.A. and holds stock options in the company. JH is an employee of Pharmapace Inc. NS is an employee of Sun Pharmaceutical Industries, Inc. AM is employed as the chief medical officer for Cassiopea S.p.A., and holds stock options in the company; is a board member of Cassiopea S.p.A.; and has served as the chief medical officer of Cosmo Pharmaceuticals.

Figure 2. Proportion of patients with IGA of 0 or 1 (clear or almost clear) for the trunk at all visits (PP set)



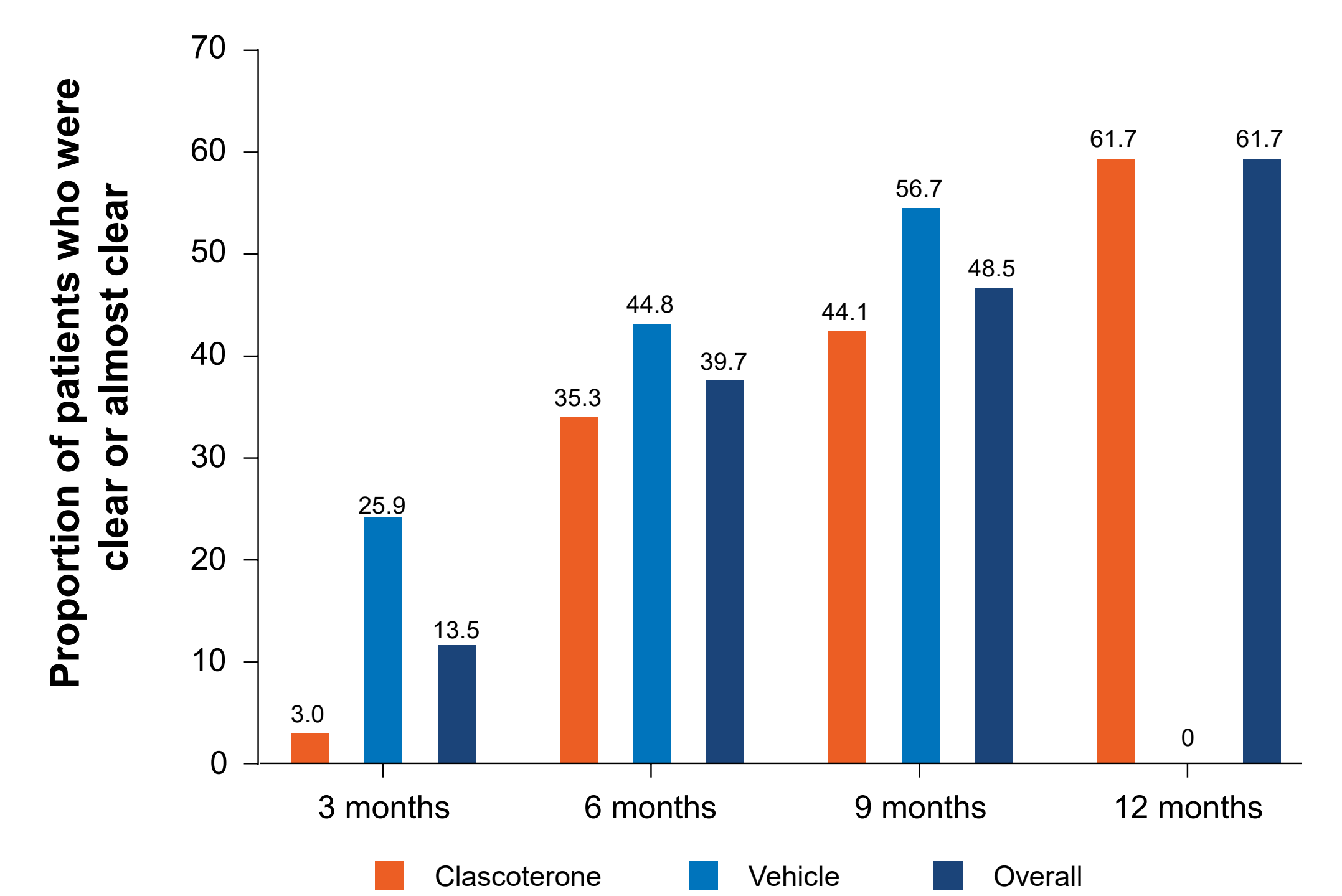
Patients are summarized overall and according to the original test article they received in the Phase 3 pivotal studies (CB-03-01/25 and CB-03-01/26).
 IGA, Investigator Global Assessment; PP, per-protocol.

Figure 3. Proportion of patients with IGA of 0 or 1 (clear or almost clear) for the face of patients on clascoterone for 3, 6, 9, and 12 months (PP set)^a



Patients are summarized overall and according to the original test article they received in the Phase 3 pivotal studies (CB-03-01/25 and CB-03-01/26).
^aThis was a 9-month, open-label study of treatment with 1% clascoterone cream; thus, subjects who received vehicle for 3 months in the Phase 3 pivotal study could only receive up to 9 months of treatment with 1% clascoterone cream in this open-label study.
 IGA, Investigator Global Assessment; PP, per-protocol.

Figure 4. Proportion of patients with IGA of 0 or 1 (clear or almost clear) for the trunk of patients on clascoterone for 3, 6, 9, and 12 months (PP set)^a



Patients are summarized overall and according to the original test article they received in the Phase 3 pivotal studies (CB-03-01/25 and CB-03-01/26).
^aThis was a 9-month, open-label study of treatment with 1% clascoterone cream; thus, subjects who received vehicle for 3 months in the Phase 3 pivotal study could only receive up to 9 months of treatment with 1% clascoterone cream in this open-label study.
 IGA, Investigator Global Assessment; PP, per-protocol.