

Dupilumab for Treatment of Bullous Pemphigoid: LIBERTY-BP ADEPT Trial Results

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Objective

To report the efficacy and safety of dupilumab in adult patients with moderate-to-severe BP: results from the LIBERTY-BP ADEPT phase 2/3 clinical trial

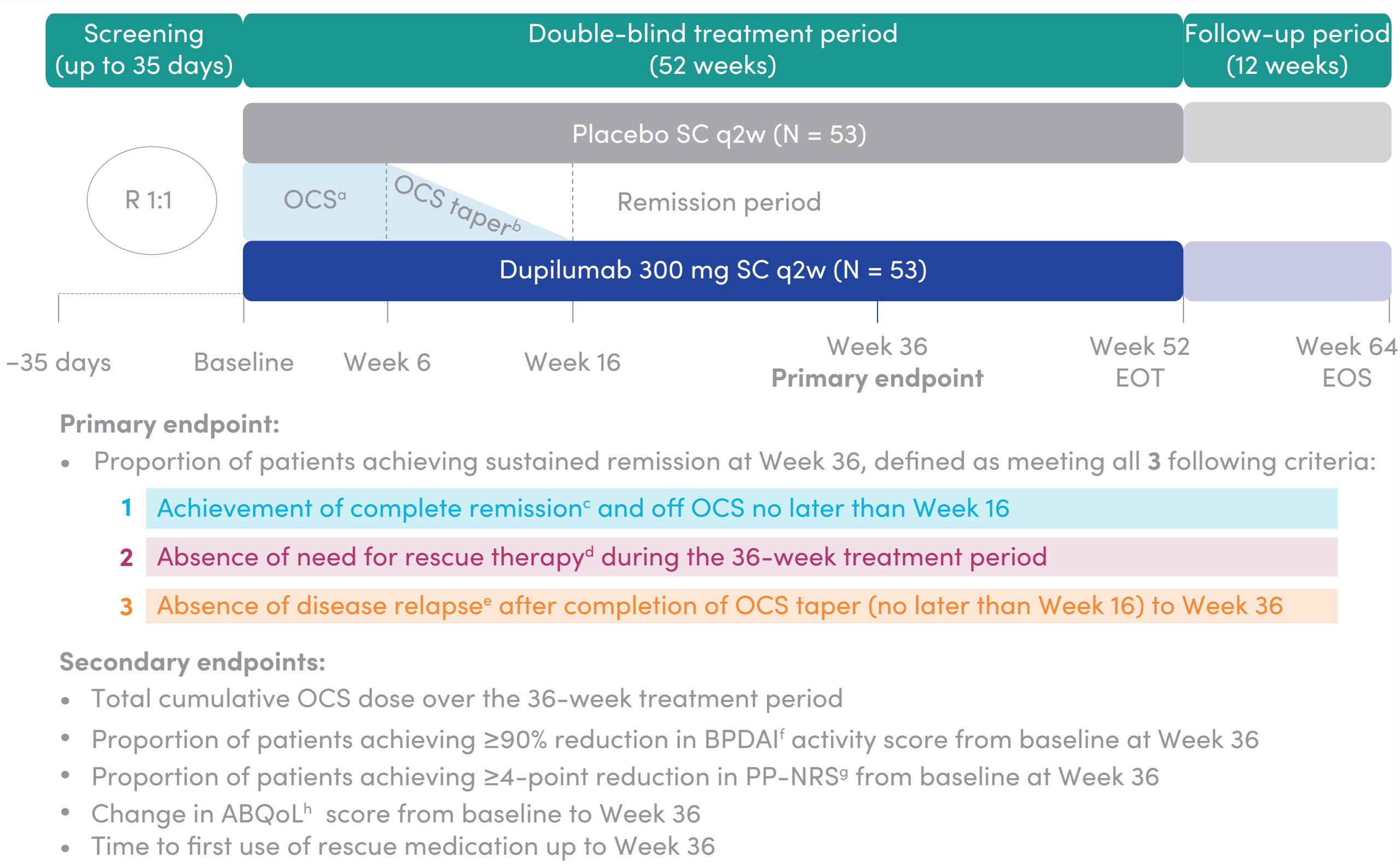
Background

- BP is a life-threatening, chronic, autoimmune, subepidermal blistering skin disease that predominantly affects the elderly^{1,2}
- Currently, there are no approved targeted therapies for BP in the USA or Europe. Topical and/or systemic corticosteroids along with immunosuppressants are the mainstay of treatment; however, they are accompanied by side effects and risk-benefit considerations especially in the elderly population^{1,3}
- Type 2 inflammation plays a critical role in BP pathogenesis^{4,5}
- Dupilumab blocks the shared receptor component for IL-4 and IL-13, key drivers of type 2 inflammation^{4,5}

Methods

- LIBERTY-BP ADEPT (NCT04206553) is a global, randomized, double-blind, placebo-controlled, parallel-group study

Study design



^aPatients were initiated on a standard-of-care regimen of OCS (prednisone or prednisolone: 0.5 mg/kg for moderate BP and 0.75 mg/kg for severe BP) on Day 1. ^bOCS taper was initiated by Week 4-6 and OCS were tapered as long as disease control (new lesions cease to form and existing lesions begin to heal) was maintained with the objective to taper off OCS no later than Week 16. ^cComplete remission was defined as absence of new lesions and epithelialization of old lesions. ^dRescue therapy included increase of OCS dose during the taper, reinstitution of OCS after completion of the OCS taper, or initiation of any BP-directed therapy. ^eRelapse was defined as the appearance of ≥3 new lesions a month (blisters, eczematous lesions, or urticarial plaques) or ≥1 large (>10 cm diameter) eczematous lesion or urticarial plaque that did not heal within 1 week. ^fBPDAl range 0–360, covering a range of cutaneous and mucosal BP lesions; higher scores indicate greater disease activity. ^gPP-NRS range 0–10, measuring the intensity of itching; higher scores indicate more severe pruritus. ^hABQoL score range 0–51, assessing disease-specific quality of life in autoimmune blistering diseases; higher scores indicate poorer quality of life.

References: 1. Werth VP, et al. J Eur Acad Dermatol Venereol. 2025;39:290–300. 2. Rhyou HJ, et al. Allergy Asthma Clin Immunol. 2021;17:117. 3. Akbarialiabad H, et al. Nat Rev Dis Primers. 2025;11:12. 4. Zhang L, et al. Front Immunol. 2023;14:1115083. 5. Werth VP, et al. Adv Ther. 2024;41:4418–32.
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Conclusion

Dupilumab showed significant benefits across multiple disease aspects of BP, including achieving sustained remission while off OCS, reducing disease activity and itch, and reducing rescue medication use and cumulative OCS exposure, as well as improving QoL

LB1136

BP

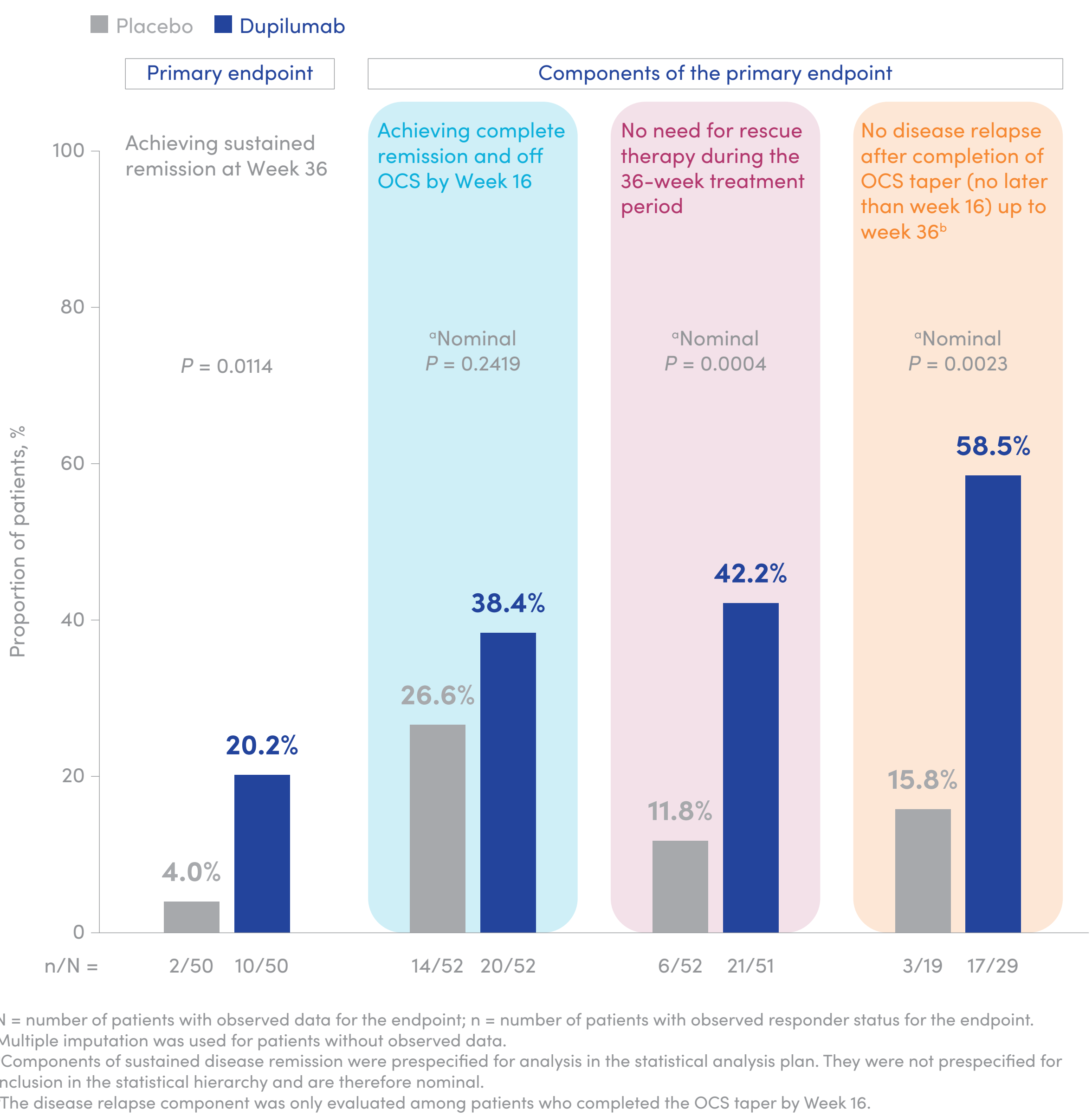


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Results

- Baseline demographics and disease characteristics were generally well balanced between treatment arms

A significantly higher proportion of dupilumab-treated patients achieved sustained BP disease remission at Week 36

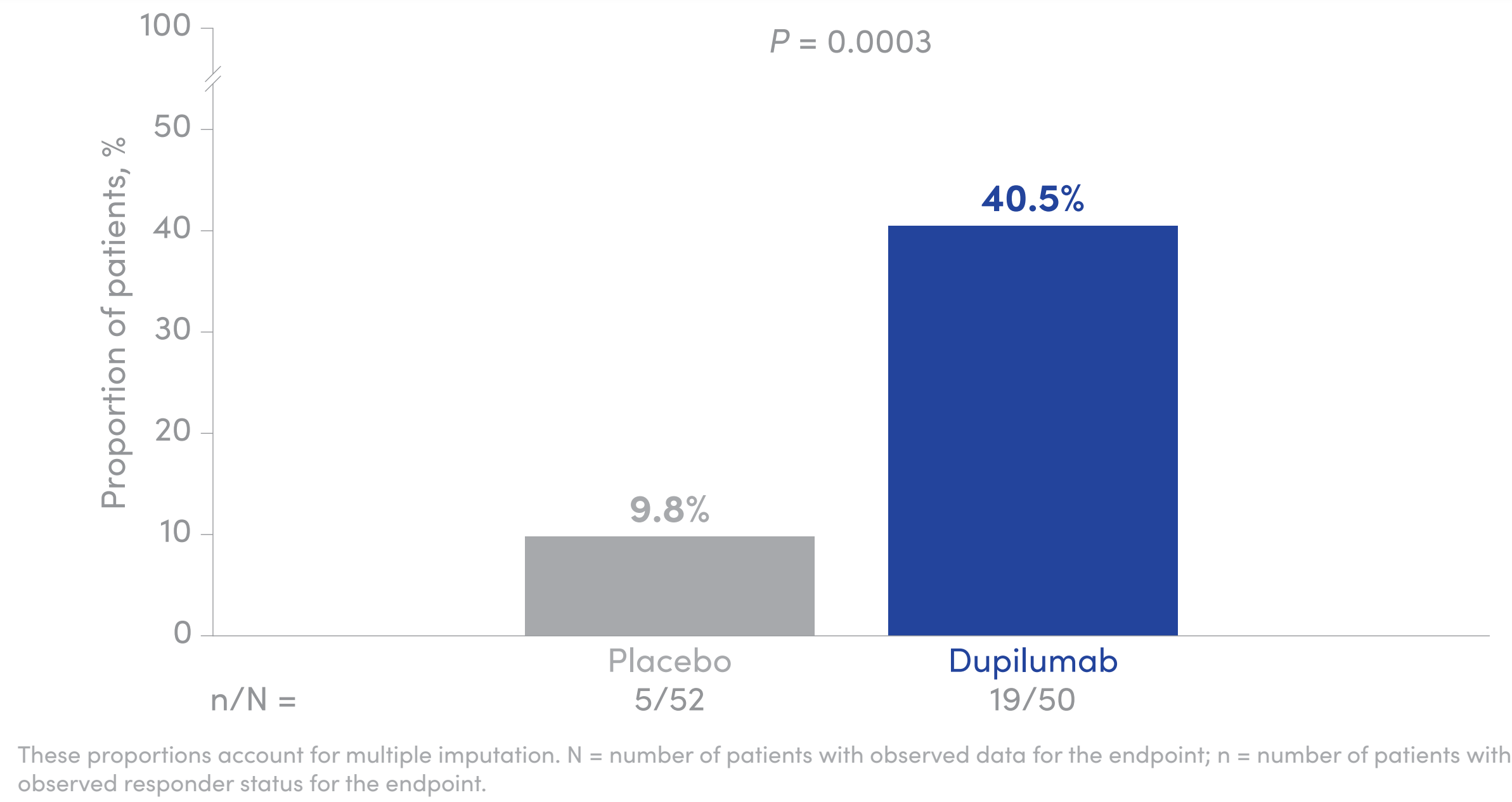


Dupilumab-treated patients had a significantly lower cumulative OCS dose over 36 weeks compared with those receiving placebo

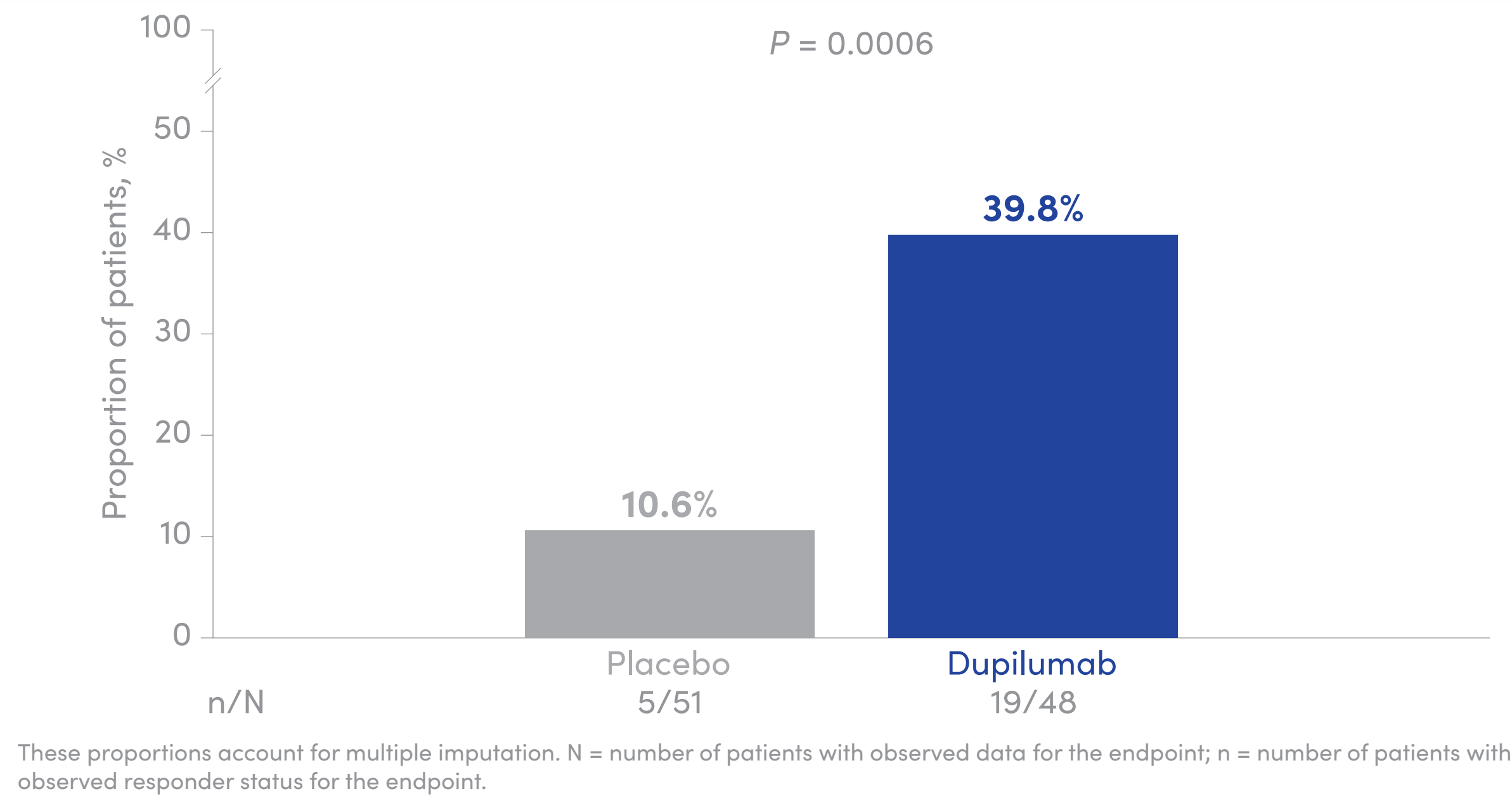
	Cumulative OCS dose LS mean (SE), mg	LS mean difference vs placebo (95% CI), mg	P value
Dupilumab N = 53	5,646 (566.0)	−1,678 (−3,108, −248)	0.0220
Placebo N = 53	7,324 (588.8)		

- Dupilumab-treated patients had a 54% lower risk of rescue medication use over 36 weeks compared with those on placebo (P = 0.0016)
 - Overall safety was consistent with the known dupilumab safety profile
- For more information on the results, please scan the QR code

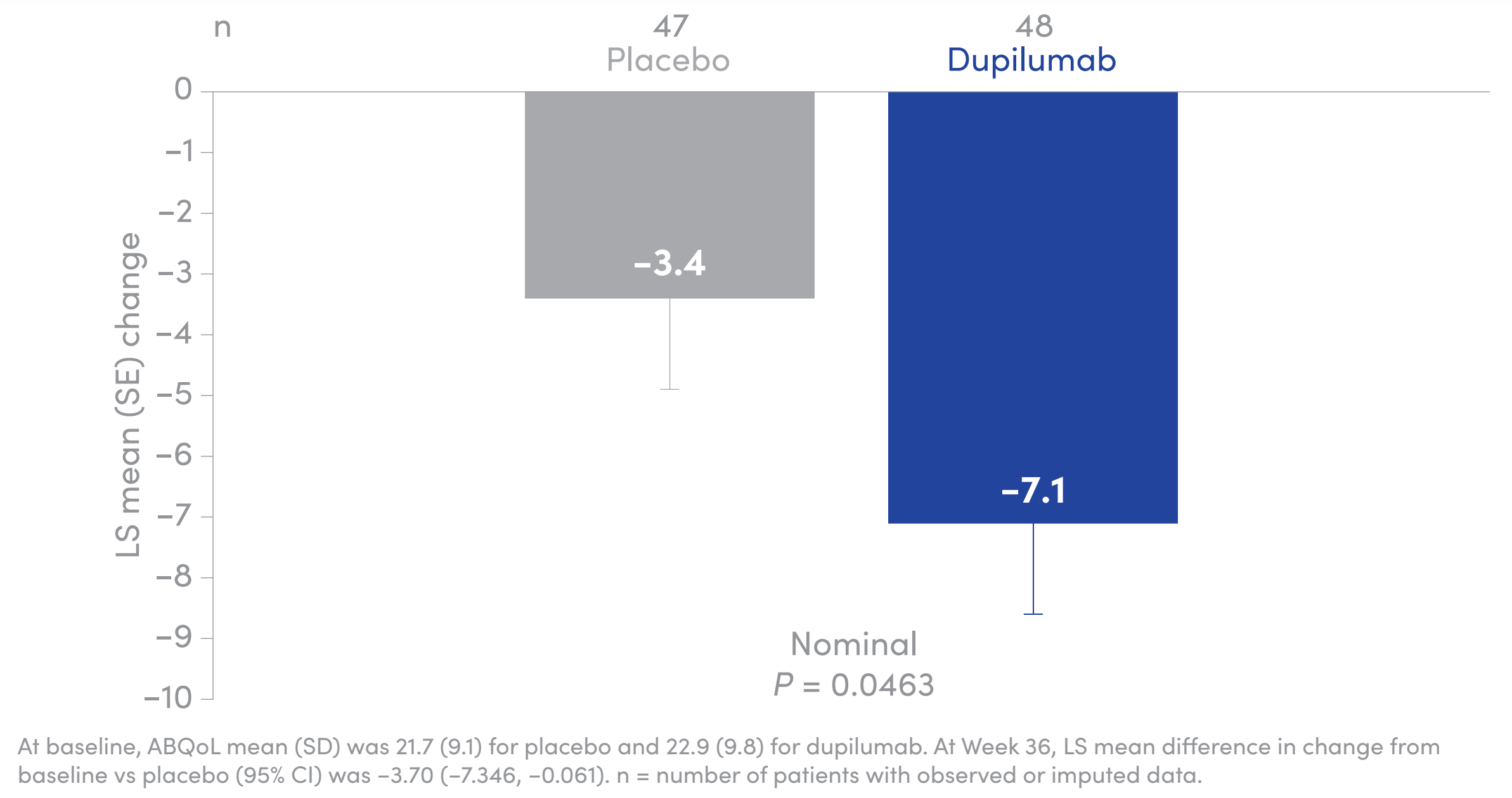
Significantly more dupilumab-treated patients achieved ≥90% improvement in BPDAl activity score at Week 36 compared with those receiving placebo



Significantly more dupilumab-treated patients achieved ≥4-point improvement in PP-NRS at Week 36 compared with those receiving placebo



Improvements in ABQoL score favored dupilumab over placebo at Week 36



ABQoL, Autoimmune Bullous Disease Quality of Life; BP, bullous pemphigoid; BPDAl, bullous pemphigoid disease area index; CI, confidence interval; EOS, end of study; EOT, end of treatment; IL, interleukin; LS, least squares; OCS, oral corticosteroid(s); PP-NRS, Peak Pruritus Numerical Rating Scale; q2w, every 2 weeks; QoL, quality of life; R, randomization; SC, subcutaneous; SD, standard deviation; SE, standard error.

Disclosures: Werth VP: AbbVie, argenx, AstraZeneca, Janssen, Kyowa Hakko Kirin, Lilly, Principia Biopharma, Regeneron Pharmaceuticals Inc., Roche-Genentech – consultant; argenx, Roche-Genentech, Sanofi-Regeneron Pharmaceuticals Inc., Syntimmune – grant support; BPDAl – co-creator. Caux F: argenx, Sanofi-Regeneron Pharmaceuticals Inc. – investigator, advisory board member; Boehringer Ingelheim, LEO Pharma – honoraria. Joly P: Amgen, argenx, AstraZeneca, Innovaderm Research, Principia Biopharma, Roche, Sanofi-Regeneron Pharmaceuticals Inc., Thermo Fisher Scientific – consultant. Worm M: AbbVie, Aimmune Therapeutics, ALK-Abello, Amgen, AstraZeneca, Boehringer Ingelheim, DBV Technologies, Kymab, LEO Pharma, Lilly, GSK, Mylan, Novartis, Pfizer, Regeneron Pharmaceuticals Inc., Sanofi – consultant. Robinson LB, Dubost-Brama A: Sanofi – employees, may hold stock and/or stock options in the company. Maloney J, Amin N, Chiarappa JA, Deshpande D: Regeneron Pharmaceuticals Inc. – employees and shareholders. Murrell DF: argenx, Almirall, AstraZeneca, JNJ, Lilly, Ono, Nurix, Principia Biopharma, RAPT, Regeneron Pharmaceuticals Inc., Roche, Sanofi – consultancy and/or investigator for advisory board; BPDAl – co-creator; ABQoL – creator.