Bimekizumab 3-year efficacy in high-impact areas in moderate to severe plaque psoriasis: Pooled results from five phase 3/3b trials

Tools used to assess high-impact area disease severity

• Score of 0 = clear nails

Each nail scored 0–13

• Total score out of 130

pp-IGA

psoriasis, regardless of dosing regimen.

• Analysis includes patients scoring 3 (moderate) or 4 (severe) at baseline

• Analysis includes patients scoring 3 (moderate) or 4 (severe) at baseline

• Analysis includes patients scoring >10 (total across all nails) at baseline

Summary

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BE BRIGHT and BE RADIANT

Open-label treatment period

Dose switch

Dose switch

Q8W

RKZ 320 mg

Q4W

BKZ 320 m

OLE Week 48/52/56) OLE Weeks 16 and 24^b (Week 96/100/104)

Dose switch

Dose switch

(Week 144/148/152)

Figure 1 Study design (included patients)

BKZ 320 mg <PASI 90

BKZ 320 mg

>PASI 90 L

BE SURE, BE VIVID, BE READY, and BE RADIANT

BKZ 320 mg

Q4W

N=1,362

All BKZ-

Objective

To evaluate scalp, palmoplantar, and nail outcomes over 3 years from five bimekizumab (BKZ) phase 3/3b trials in patients with moderate to severe plaque psoriasis.

Introduction

- Psoriatic lesions of the scalp, palms, and soles, and psoriatic changes in the nails are associated with reduced health-related quality of life and treatment challenges.1
- As psoriasis is a chronic disease, and loss of response is observed with some therapies over time, studying long-term efficacy of new treatments is important.²
- High levels of complete clearance in these high-impact areas have previously been reported over 2 years of BKZ treatment; here, we report responses over 3 years.

Methods

- Data were pooled from BE VIVID/BE READY/BE SURE (52/56/56 weeks), 96 weeks of their open-label extension (OLE), BE BRIGHT, and 144 weeks of the BE RADIANT phase 3b trial (**Figure 1**).4-8
- Data are reported for patients randomised to BKZ 320 mg every 4 weeks (Q4W) to Week 16, who then received BKZ Q4W or Q8W in the maintenance and OLE periods (BKZ Total); data are also reported for the subgroup of patients who received BKZ Q4W/Q8W/Q8W (initial/maintenance/OLE) dosing.
- · Included patients had moderate to severe scalp or palmoplantar involvement (i.e., scalp or palmoplantar [pp-] Investigator's Global Assessment [IGA] score >3) or a modified Nail Psoriasis Severity Index (mNAPSI) score >10 at baseline (see **Summary**).
- Proportions of patients who achieved complete regional clearance (scalp IGA 0, pp-IGA 0, mNAPSI 0) are reported through Year 3 (OLE Week 96).
- Data are reported using modified non-responder imputation (mNRI): patients who discontinued due to lack of efficacy or treatment-related adverse events were considered non-responders at subsequent timepoints; multiple imputation was used for all other missing data. Data are also reported using NRI and as observed case (OC).

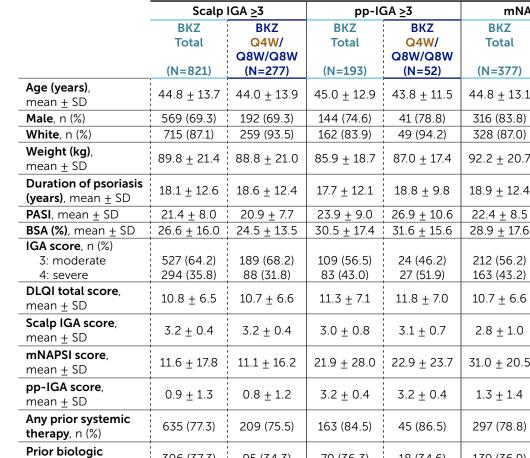
Results

- Baseline characteristics for included patients are presented in Table 1.
- Among patients with scalp IGA >3 at baseline, high levels of complete clearance were attained after 16 weeks and sustained through 3 years (Figure 2A)
- Similar trends were observed in the proportions of patients achieving complete palmoplantar clearance among those with pp-IGA >3 at baseline (Figure 2B).
- Among patients with mNAPSI >10 at baseline, levels of complete clearance increased through Year 1 and were sustained to Year 3; rates of clearance were reflective of the longer timescale required for nail growth and repair (Figure 2C).
- Similar trends were observed in the subgroup of patients who received BKZ Q4W/Q8W/Q8W dosing (Figure 2A-C).

Conclusions

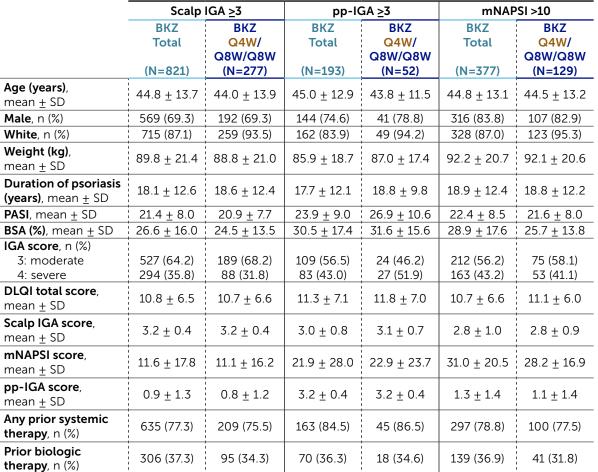
A high percentage of BKZ-treated patients achieved and maintained complete clearance of scalp and palmoplantar psoriasis over 3 years. The majority of patients achieved complete nail clearance, with numerical increases from Year 1 to Year 3.

Clearance rates were high, regardless of BKZ dosing regimen.



Baseline data are reported for patients who had scalp IGA \geq 3, pp-IGA \geq 3, or mNAPSI >10 at baseline and entered the OLEs Baseline data are reported for patients who had scalp IGA \geq 3, pp-IGA \geq 3, or mNAPSI >10 at baseline and entered the OLEs Baseline data are reported for patients who had scalp IGA \geq 3, pp-IGA \geq 3, or mNAPSI >10 at baseline and entered the OLEs Baseline data are reported for patients who had scalp IGA \geq 3, pp-IGA \geq 3, pp-IGA \geq 3, pr-IGA \geq 3, pp-IGA \geq 4, pr-IGA \geq 4, pr-IGA \geq 4, pr-IGA \geq 4, pr-IGA \geq 5, pr-IGA \geq 5, pr-IGA \geq 5, pr-IGA \geq 5, pr-IGA \geq 6, pr-IGA \geq 7, pr-IGA \geq 8, pr-IGA \geq 8, pr-IGA \geq 8, pr-IGA \geq 9, pr-IGA \geq 10, pr-IGA \geq 10

Baseline characteristics



s this analysis only includes patients randomised to receive BKZ at baseline, only BKZ-randomised patients are included in this study design Patients receiving BKZ 320 mg Q4W who achieved >PASI 90 at the end of the feeder studies (BE RADIANT: Week 48; BE VIVID: Week 52; BE READY and BE SURE: Week 56) were randomised 1:1 in BE RADIANT and 4:1 in BE BRIGHT to BKZ 320 mg Q4W or Q8W; patients receiving BKZ 320 mg Q8W who achieved PASI 90 at the end of the feeder studies remained on Q8W dosing; In BE RADIANT, at QLE Week 16 or the next scheduled clinic visit, all patients switched

1:1) BE RADIANT

to BKZ Q8W after the implementation of a protocol amendment; in BE BRIGHT, at OLE Week 24, patients achieving ≥PASI 90 could switch to Q8W at the investigator's discretion, and all patients were re-assigned to BKZ Q8W at OLE Week 48 or the next scheduled visit via protocol amendment; 'OLE Week 4 (the end of Year 2) corresponds to BE RADIANT Week 96, BE VIVID/BE BRIGHT Week 100, and BE READY/BE BRIGHT and BE SURE/BE BRIGHT Week 104; OLE Week 96 (the end of Year 3) corresponds to BE RADIANT Week 144, BE VIVID/BE BRIGHT Week 148, and BE READY/BE BRIGHT an

Figure 2 Complete clearance of scalp, palmoplantar, or nail psoriasis over 3 years (mNRI, NRI, OC)

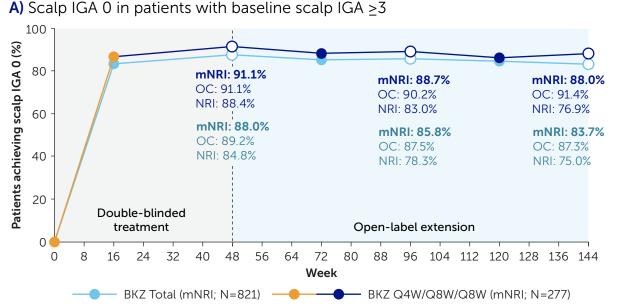
Moderate

Moderate

Leukonychia Nail bed

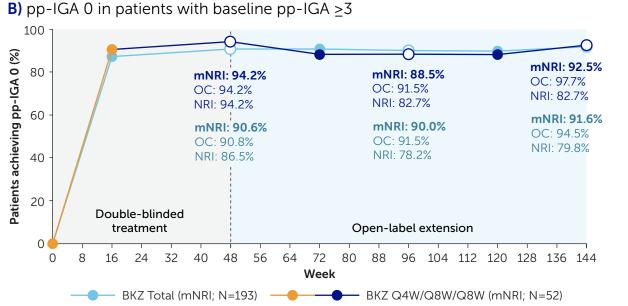
Red spots

hyperkeratosis

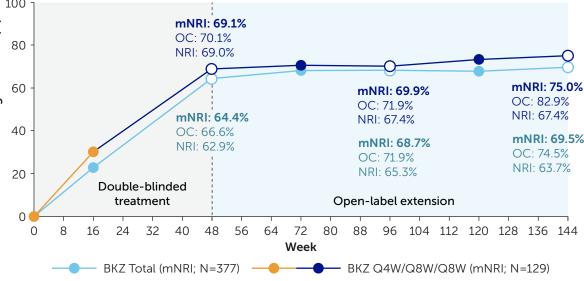


Over 3 years, high percentages of patients treated with bimekizumab achieved

complete clearance of scalp (83.7%), palmoplantar (91.6%), and nail (69.5%)



C) mNAPSI 0 in patients with baseline mNAPSI >10



References: ¹Merola JF et al. Dermatol Ther 2018;31:e12589; ²Warren RB et al. J Invest Dermatol 2015;135:2632-40; ³Merola JF et al. Presented at EADV 2022; P1467; ⁴Reich K et al. Br. J Dermatol 2023;188:749-59, NCT03598790; ⁸Reich K et al. N Engl J Med 2021;385:142-52, NCT03536884. Author Contributions: Substantial contributions: Substantial contributions to study conception/design, or acquisition/analysis/interpretation of data: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; Prinal approval of the publication: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; Prinal approval of the publication of data: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; Prinal approval of the publication of data: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; Prinal approval of the publication of data: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; Prinal approval of the publication of data: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; Prinal approval of the publication of data: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; Prinal approval of the publication of data: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; Prinal approval of the publication of data: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; Prinal approval of the publication of data: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; Prinal approval of the publication of data: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; Prinal approval of the publication of data: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; Prinal approval of the publication of data: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; Prinal approval of the publication of data: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; Prinal approval of the publication of data: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; Prinal approval of the publication of data: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; Prinal approval of the publication of data: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; PRINAL approximation of data: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; PRINAL approximation of data: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; PRINAL approximation of data: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; PRINAL approximation of data: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; PRINAL approximation of data: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; PRINAL approximation of data: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; PRINAL approximation of data: JFM, CC, PH, JL, ABG, NT, NC, SW, MG; PRINAL approximation of data: JFM, CC, PH, JL, ABG, NT, NC, SW, Biogen, Bristol Myers Squibb, Dermavant, Eli Lilly, Janssen, LEO Pharma, Pfizer, Novartis, Regeneron, Sanofi, Sun Pharma, and UCB Pharma, MSD, Novartis, Pfizer, Samsung, Sanofi-Genzyme, and UCB Pharma, Pfizer, Novartis, Regeneron, Sanofi, Sun Pharma, and UCB Pharma, MSD, Novartis, Pfizer, Samsung, Sanofi-Genzyme, and UCB Pharma, and UCB Pharma, Pfizer, Novartis, Regeneron, Sanofi, Sun Pharma, and UCB Pharma, Incited development grant for mobile medical app development from UCB Pharma, and UCB Pharma, Novartis, Pfizer, Samsung, Sanofi-Genzyme, and UCB Pharma, and UCB Pharma, Pfizer, Samsung, Sanofi-Genzyme, and UCB Pharma, Incited development from UCB Pharma, and UCB Pharma, Incited development grant for mobile medical app development from UCB Pharma, Incited for Amgen, Anaptys Bio, Avotres Therapeutics, Boehringer Ingelheim, Bristol Myers Squibb, Dermavant, DICE Therapeutics, Eli Lilly, Janssen, Novartis, and UCB Pharma, UCB Pha or advisory board member for AbbVie, Akros, Amgen, AnaptysBio, Apogee, Arcuits, Aristea, Aslan, Bausch Health, Boehringer Ingelheim, Bristol Myers Squibb, Dermavan, Takeda, Tarsus, UCB Pharma, Uclon and Venture, Acknowledgements: This study was funded by UCB Pharma. We thank the patients and their caregivers in addition to the investigators and their caregivers an associated with development of this poster were funded by UCB Pharma.

