

Bimekizumab Leads to Sustained Flare-Free Status in Moderate to Severe Hidradenitis Suppurativa: 3-Year Data from BE HEARD EXT

Steven Daveluy,¹ Haley B. Naik,² Ziad Reguiai,^{3,4} Sayaka Yamaguchi,⁵ Pablo Fernández-Peñas,⁶ Bartosz Lukowski,⁷ Christina Crater,⁸ Nicola Tilt,⁹ Antonio Martorell^{4,10}

¹Department of Dermatology, Wayne State University School of Medicine, Detroit, Michigan, USA; ²Department of Dermatology, University of California, San Francisco, California, USA; ³Dermatology Department, Polyclinique Courlancy-Bezannes, Reims, France; ⁴European Hidradenitis Suppurativa Foundation (EHSF) e.V., Dessau, Germany; ⁵Department of Dermatology, University of the Ryukyus Graduate School of Medicine, Okinawa, Japan; ⁶Department of Dermatology, Westmead Hospital, University of Sydney, Westmead, New South Wales, Australia; ⁷Vedim/UCB, Warsaw, Poland; ⁸UCB, Morrisville, North Carolina, USA; ⁹UCB, Slough, UK; ¹⁰Department of Dermatology, Hospital de Manises, Valencia, Spain.

Objective

To assess flare outcomes in all, or baseline Hurley stage II or III patients, with moderate to severe hidradenitis suppurativa (HS) treated with bimekizumab (BKZ) over 3 years (148 weeks).

Synopsis

- HS is characterized by nodules, abscesses, and draining tunnels (DT), with acute exacerbations of symptoms known as “flares”.^{1,2}
- Timely, effective disease management is important to reduce the frequency of flares.¹
- BKZ is a humanized IgG1 monoclonal antibody that selectively inhibits interleukin (IL)-17A and IL-17F.³

Methods

- Data were pooled from BE HEARD I&II and their open-label extension BE HEARD EXT (BHEXT) (Figure 1).^{4,5}
- Patients randomized to receive BKZ 320 mg from baseline in BE HEARD I&II who entered BE HEARD EXT were included (BKZ Total group); data were also reported by baseline Hurley stage.
- Flare data were collected at scheduled clinic visits. Data are reported as observed case (OC).
- Flare was defined as a ≥25% increase in abscess and inflammatory nodule (AN) count versus baseline with an absolute increase in AN count of ≥2.
- Flare outcomes were assessed in patients with moderate to severe HS treated with BKZ over 3 years (to Week 148; Summary). Flare outcomes reported were:
 - The cumulative proportion of patients who remained flare-free (no observed flares at any visit up to and including the given timepoint);
 - The proportion of patients with a flare at a given visit (flare rates reported at a single point).

Results

- 556 patients randomized to BKZ at baseline in BE HEARD I&II completed Week 48 and entered BE HEARD EXT.
- Baseline demographics and clinical characteristics of patients are presented in the Table.
- At Week 48, the cumulative proportion of patients who were flare-free was 83.8% (466/556). This remained similar at Week 96 (83.7% [374/447]) and Week 148 with 86.1% (316/367) of patients remaining flare-free (Figure 2A).
- High proportions of patients remaining in the study were reported flare-free regardless of Hurley stage in Year 3 (Figure 2B).
- At Week 48, 2.2% (12/556) of patients experienced a flare. This decreased to 0.9% (4/447) at Week 96 and decreased further by Week 148, at which point no patients (0/367) experienced a flare (Figure 3A).
- Numerically lower flare rates were observed in patients who were Hurley stage II versus those who were Hurley stage III at any given visit through Year 1 (Figure 3B).

Conclusions

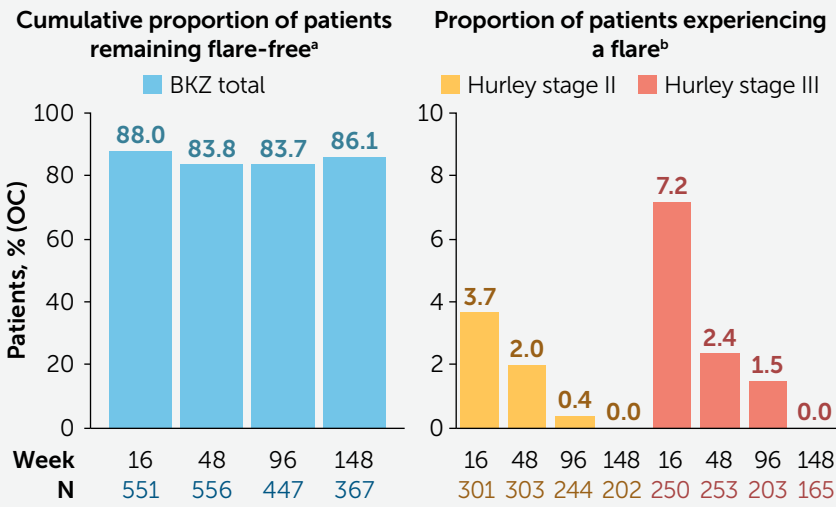
Most patients treated with bimekizumab who stayed in the study remained flare-free at all visits through 3 years.

Bimekizumab-treated patients who were Hurley stage II experienced numerically lower flare rates through Year 1 versus those who were Hurley stage III. In Year 3, low flare rates were achieved by all patients remaining in the study, regardless of Hurley stage.

These data suggest that initiating bimekizumab therapy in Hurley stage II patients may lead to more rapid control of inflammatory flares.

Summary

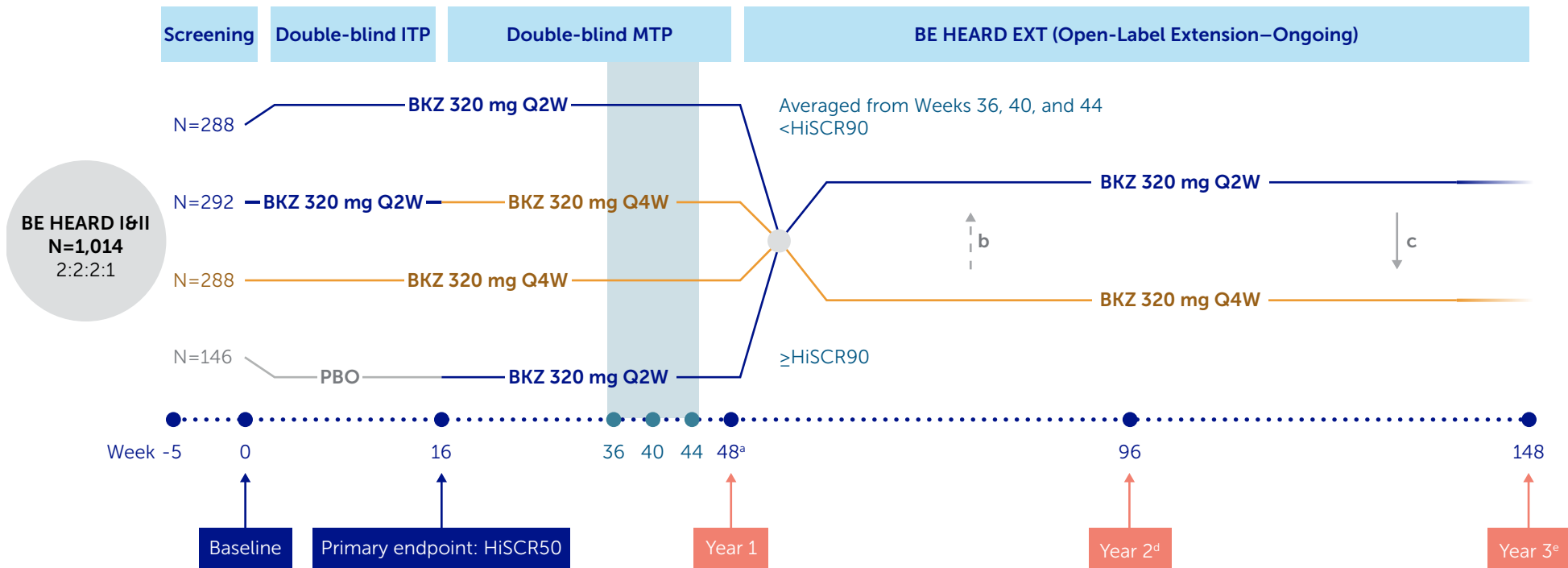
Flare outcomes were assessed in patients with moderate to severe HS treated with bimekizumab over 3 years.



Most bimekizumab-treated patients remained flare-free at scheduled clinic visits through 3 years and did not experience a flare at Year 3, regardless of baseline Hurley stage.

[a] No observed flares at any visit up to and including the given timepoint. [b] Flare rates reported at a single point.

Figure 1 Study design



Table

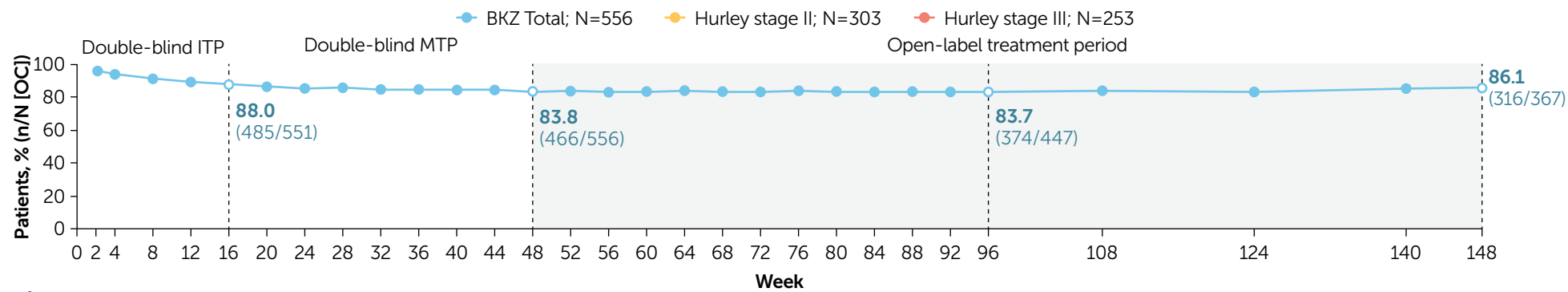
Baseline characteristics

[a] Refers to baseline Hurley stage; [b] This refers to the worst overall Hurley stage derived from the Hurley stages recorded across all anatomical regions.

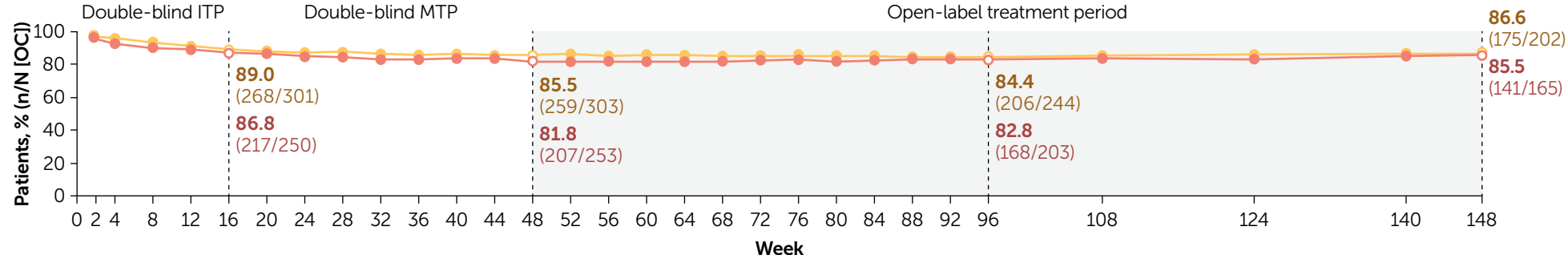
Figure 2

Cumulative proportions of patients remaining flare-free over 3 years^a

A) BKZ total



B) BKZ total reported by baseline Hurley stage II and III

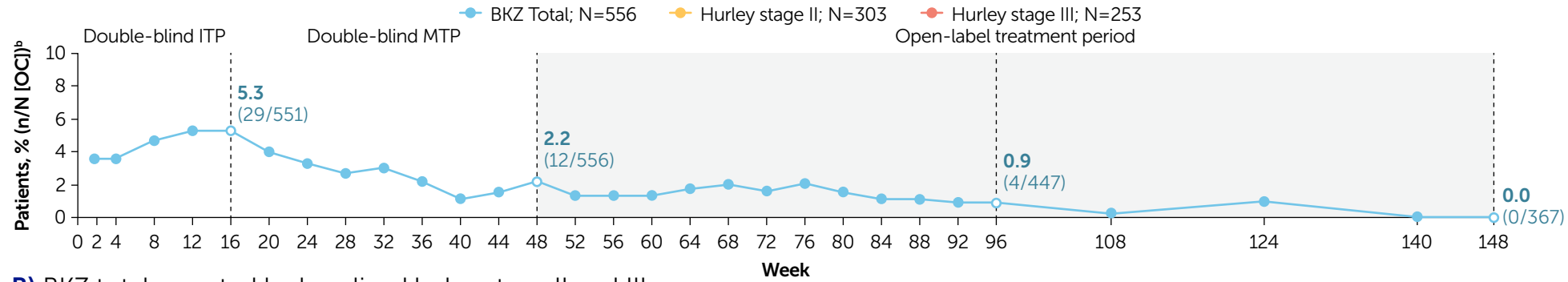


Remaining flare-free: no observed flares at any visit up to and including the given timepoint. The requirement of a visit at Week 48 to enter the open-label extension resulted in an increase in N number at Week 48. OC, n/N: the denominator represents the number of patients with non-missing scores at the given week and percentages are calculated accordingly. [a] Patients who did not complete the trial from Week 48 to Week 148 may have affected results (n=189). Patients withdrawing due to lack of efficacy: n=23. Patients who experienced more flares may have been more likely to withdraw.

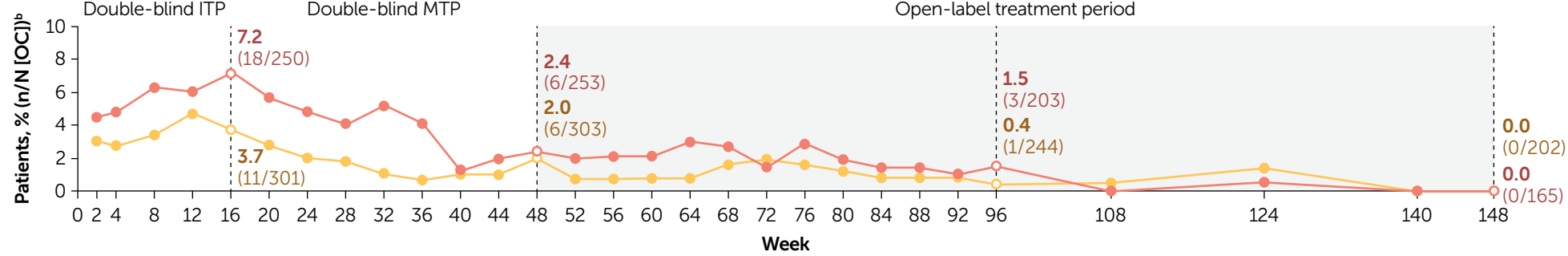
Figure 3

Proportions of patients experiencing a flare at a given visit over 3 years^a

A) BKZ total



B) BKZ total reported by baseline Hurley stage II and III



Flare rates reported at a single point. The requirement of a visit at Week 48 to enter the open-label extension resulted in an increase in N number at Week 48. OC, n/N: the denominator represents the number of patients with non-missing scores at the given week and percentages are calculated accordingly. [a] Patients who did not complete the trial from Week 48 to Week 148 may have affected results (n=189). Patients withdrawing due to lack of efficacy: n=23. Patients who experienced more flares may have been more likely to withdraw. [b] Due to the small range of percentage values, the Y-axis range is 0–10%.