Bimekizumab effect on the need for concomitant rescue interventions by HiSCR level in patients with moderate to severe hidradenitis suppurativa from BE HEARD 1811

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Synopsis

- Hidradenitis supurativa (HS) is a chronic, inflammatory skin disease characterized by painful lesions that negatively impact patients'
- These lesions are difficult to treat and require a multifaceted treatment approach, including the need for rescue interventions alongside conventional therapy.
- Bimekizumab (BKZ) is a humanized IgG1 monoclonal antibody that selectively inhibits interleukin (IL)-17F in addition to IL-17A.2

Objective

To investigate the association between achievement of higher HS clinical response (HiSCR) levels with BKZ treatment and the need for concomitant rescue interventions in patients with moderate to severe HS.

Methods

- Data were pooled from the BE HEARD I&II phase 3 clinical trials.³ Data are reported over the maintenance treatment period (Weeks 16-48). Here, patients randomized to receive BKZ from baseline are presented, with data also pooled across these treatment arms (BKZ Total) (Figure 1).
- Patients randomized to BKZ were grouped by achievement of mutually exclusive HiSCR bands at Week 16: <50% improvement from baseline (<HiSCR50); 50-<75% improvement (HiSCR50-<75); 75-100% improvement (HiSCR75-100).
- The incidence of patients not requiring any concomitant rescue **interventions** for HS during the maintenance treatment period are reported. Any concomitant rescue interventions are further split into medical (antibiotics, analgesics) and procedural (incision/drainage, intralesional triamcinolone injection) interventions.
- Data are reported as observed case (OC)

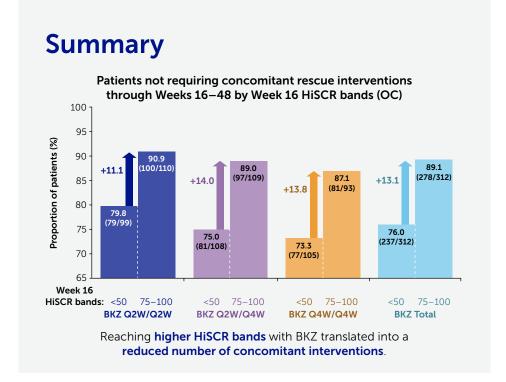
Results

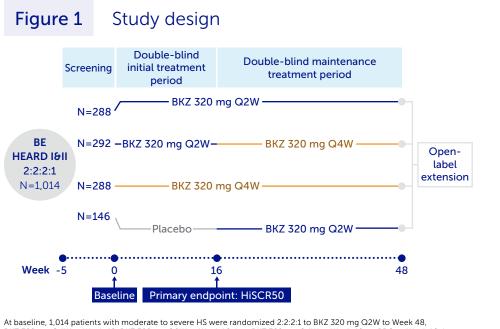
- Across the BE HEARD I&II clinical trials, patients were randomized to receive BKZ at baseline across 3 treatment arms (**Figure 1**).
- Baseline demographics across patients who did and did not receive concomitant rescue interventions and across treatment arms were mostly comparable, although some differences were observed, including the proportions of Hurley stage II and III at baseline (Table 1).
- · Across BKZ-randomized treatment arms, a numerical increase in patients not receiving a rescue intervention in the maintenance treatment period was observed with increasing HiSCR band (Figure 2).
- The proportion of patients not requiring rescue interventions increased with higher HiSCR band over the same period in the BKZ Total group (Figure 2).
- Similar trends were also observed moving from the lowest to highest HiSCR bands when separating into any medical or procedural interventions (Table 2).

Conclusions

Overall, the majority of patients randomized to bimekizumab did not require any concomitant rescue medical or procedural interventions during the maintenance treatment period (Weeks 16-48). The proportion of patients not requiring concomitant rescue interventions increased as higher HiSCR bands were achieved.

These data highlight the additional value to patients of a decreased need for concomitant rescue interventions when achieving higher levels of clinical response with bimekizumab treatment.





BKZ 320 mg Q4W to Week 48, BKZ 320 mg Q2W to Week 16 then BKZ 320 mg Q4W to Week 48, or PBO to Week 16 then

Baseline characteristics

Creative team for graphic design assistance. All costs associated with development of this poster were funded by UCB.

Concomitant rescue	BKZ 320 mg Q2W/Q2W		BKZ 320 mg Q2W/Q4W		BKZ 320 mg Q4W/Q4W		BKZ Total	
Concomitant rescue intervention, (Y/N):	N n=264	Y n=24	N n=266	Y n=26	N n=257	Y n=31	N n=787	Υ n=81
Age (years), mean <u>+</u> SD	37.2 ± 12.3	32.7 <u>+</u> 12.6	37.3 ± 12.3	33.8 ± 13.1	36.0 ± 11.7	33.7 ± 10.5	36.8 ± 12.1	33.4 ± 11.8
Sex, female, n (%)	140 (53.0)	12 (50.0)	159 (59.8)	15 (57.7)	157 (61.1)	18 (58.1)	456 (57.9)	45 (55.6)
Racial group, white, n (%)	217 (82.2)	15 (62.5)	211 (79.3)	22 (84.6)	208 (80.9)	16 (51.6)	636 (80.8)	53 (65.4)
BMI, kg/m², mean <u>+</u> SD	32.7 ± 8.5	32.9 ± 9.6	32.7 ± 7.9	32.8 ± 7.3	33.6 ± 8.0	35.1 ± 7.3	33.0 ± 8.1	33.7 ± 8.0
Duration of HS (years) , mean <u>+</u> SD	7.7 <u>+</u> 7.6	6.2 <u>+</u> 4.3	8.3 ± 7.5	8.5 <u>+</u> 9.2	7.1 ± 7.3	8.3 ± 7.0	7.7 <u>+</u> 7.5	7.8 <u>+</u> 7.2
AN count, mean <u>+</u> SD	14.9 <u>+</u> 11.7	12.4 <u>+</u> 10.2	17.0 ± 16.6	19.5 <u>+</u> 18.6	18.1 ± 21.9	14.6 <u>+</u> 9.6	16.7 ± 17.2	15.5 ± 13.5
DT count, mean <u>+</u> SD	3.9 ± 4.5	2.8 ± 3.3	3.7 ± 4.5	4.3 ± 3.9	3.3 ± 4.2	3.3 ± 3.8	3.7 ± 4.4	3.5 ± 3.7
Hurley Stage, n (%)		!		!		!		!
ll !	151 (57.2)	15 (62.5)	151 (56.8)	9 (34.6)	145 (56.4)	15 (48.4)	447 (56.8)	39 (48.1)
III	113 (42.8)	9 (37.5)	115 (43.2)	17 (65.4)	112 (43.6)	16 (51.6)	340 (43.2)	42 (51.9)
DLQI Total score, mean ± SD	11.2 ± 6.3	12.0 <u>+</u> 7.8	10.8 ± 6.7	11.2 ± 6.7	11.5 ± 7.2	13.5 ± 9.2	11.1 ± 6.7	12.3 ± 8.0
Prior biologic use, ^b n (%)	51 (19.3)	8 (33.3)	48 (18.0)	8 (30.8)	42 (16.3)	5 (16.1)	141 (17.9)	21 (25.9)
Baseline antibiotic use, n (%)	27 (10.2)	2 (8.3)	26 (9.8)	2 (7.7)	18 (7.0)	0 (0)	71 (9.0)	4 (4.9)

Patients randomized to BK7 (BK7 Total N=868); baseline characteristics evaluated at Week 0. All natients randomized to receive BK7 at baseline (Week 0) are pooled in the BK7 Total group (a) Patients receiving >1 concomitant rescue intervention during

Patients randomized to BKZ (BKZ Total, N=868); all patients randomized to receive BKZ at baseline (Week 0) are pooled in the BKZ Total group. N represents the total number of patients achieving each HiSCR band and n represents the number of patients not

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Patients not requiring any medical or procedural concomitant rescue interventions through Weeks 16-48 by achievement of different Week 16 HiSCR bands (OC)^a

n/N (%)	BKZ 320 mg Q2W/Q2W N=288	BKZ 320 mg Q2W/Q4W N=292	BKZ 320 mg Q4W/Q4W N=288	BKZ Total N=868					
No medical intervention									
HiSCR<50	83/99 (83.8)	86/108 (79.6)	81/105 (77.1)	250/312 (80.1)					
HiSCR50-<75	47/50 (94.0)	39/46 (84.8)	50/59 (84.7)	136/155 (87.7)					
HiSCR75-100	103/110 (93.6)	101/109 (92.7)	86/93 (92.5)	290/312 (92.9)					
No procedural intervention									
HiSCR<50	88/99 (88.9)	95/108 (88.0)	93/105 (88.6)	276/312 (88.5)					
HiSCR50-<75	47/50 (94.0)	40/46 (87.0)	54/59 (91.5)	141/155 (91.0)					
HiSCR75-100	107/110 (97.3)	103/109 (94.5)	86/93 (92.5)	296/312 (94.9)					

Patients randomized to BKZ (BKZ Total, N=868); all patients randomized to receive BKZ at baseline (Week 0) are pooled in the BKZ Total group. N represents the total number of patients achieving each HiSCR band and n represents the number of patients not requiring a concomitant rescue intervention within each HiSCR band. [a] Any concomitant rescue interventions are further split into medical and procedural interventions. Medical interventions include rescue systemic antiobiotics or rescue analgesics as nined by the principal investigator. Procedural interventions include incision/drainage and intralesional triamcinolone injection

Patients not requiring any concomitant rescue interventions through Weeks 16-48 by achievement of different Week 16 HiSCR bands (OC)

