

respectively. ASAS40 responses increased from Wk16 to Wk52 with similar efficacy across TNF-naïve/IR patients (Table). Approximately 47% of patients on BKZ achieved BASDAI50 at Wk16, increasing to ~54% at Wk52 (NRI, Table). All improvements at Wk16 in BASDAI, BASFI and ASDAS were sustained up to Wk52 (Table). Efficacy was similar between treatment arms at Wk52. During the overall study period, 75% (183/244, nr-axSpA) and 75.5% (249/330, r-axSpA) patients reported ≥1 treatment-emergent adverse events (TEAEs). Most common TEAEs included nasopharyngitis, upper respiratory tract infection and oral candidiasis. Incidence of serious TEAEs were low (3.7% [nr-axSpA] and 6.1% [r-axSpA]); no incidence of systemic candidiasis, adjudicated MACE or deaths were reported. 'Any definite or probable adjudicated IBD TEAE' was reported in 0.8% (2/240, nr-axSpA) and 0.6% (2/326, r-axSpA) patients with no history of IBD and 25% (1/4, r-axSpA) patients with prior history of IBD. Incidence of uveitis (1.2% [3/244, nr-axSpA]; 2.1% [7/330, r-axSpA]) was low.

Conclusion

Across the axSpA disease spectrum, bimekizumab demonstrated sustained improvements in clinical outcomes up to Wk52 with no new safety signals.

Table. Efficacy outcomes with BKZ in patients with nr-axSpA and r-axSpA at Week 16 and Week 52

Population, n (%)	BE MOBILE 1 (nr-axSpA)				BE MOBILE 2 (r-axSpA)			
	Week 16		Week 52		Week 16		Week 52	
	PBO (N=126)	BKZ 160 mg Q4W (N=126)	PBO (N=126)	BKZ 160 mg Q4W (N=126)	PBO (N=111)	BKZ 160 mg Q4W (N=111)	PBO (N=111)	BKZ 160 mg Q4W (N=111)
ASAS40								
Overall, n(%)	27 (21.4)	63 (47.7)	44 (34.6)	79 (60.9)	25 (22.5)	99 (84.6)	75 (66.5)	129 (116.3)
TNF-naïve, n(%)	29 (22.9)	65 (48.6)	58 (45.3)	73 (56.9)	22 (20.4)	84 (72.5)	67 (59.3)	108 (97.3)
IR, n(%)	2 (1.6)	6 (4.5)	5 (3.9)	3 (2.3)	2 (1.8)	15 (13.1)	1 (0.9)	23 (20.7)
BASDAI50								
Overall, n(%)	27 (21.4)	60 (44.8)	62 (48.2)	69 (53.9)	29 (26.1)	103 (89.4)	69 (61.2)	119 (106.8)
ASAS40								
Overall, n(%)	6 (4.7)	16 (11.9)	10 (7.6)	18 (13.9)	3 (2.7)	14 (12.2)	5 (4.5)	11 (9.9)
BASFI								
Overall, n(%)	15 (11.5)	36 (26.6)	21 (16.3)	33 (25.4)	5 (4.5)	20 (17.6)	11 (9.8)	17 (15.3)
ASDAS-CRP								
Overall, n(%)	15 (11.5)	36 (26.6)	21 (16.3)	33 (25.4)	5 (4.5)	20 (17.6)	11 (9.8)	17 (15.3)

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P165 SUSTAINED IMPROVEMENT IN CLINICAL OUTCOMES AND LONG-TERM SAFETY OF BIMEKIZUMAB IN PATIENTS ACROSS THE SPECTRUM OF AXIAL SPONDYLOARTHRITIS UP TO WEEK 52: RESULTS FROM TWO PHASE 3 STUDIES

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Background/Aims

Bimekizumab (BKZ), a monoclonal IgG1 antibody that selectively inhibits IL-17F in addition to IL-17A, has shown rapid and clinically meaningful improvements in disease activity across the axial spondyloarthritis spectrum (axSpA; active non-radiographic axSpA [nr-axSpA; BE MOBILE 1, NCT03928704] and ankylosing spondylitis [AS] / radiographic axSpA [r-axSpA; BE MOBILE 2, NCT03928743]). Here we present outcomes from these two phase 3 studies up to Week (Wk)52.

Methods

BE MOBILE 1 and 2 have similar study designs: 16-Wk double-blind period followed by 36-Wk maintenance period. Patients were randomised (1:1 in BE MOBILE 1; 2:1 in BE MOBILE 2) to BKZ 160 mg every 4Wks (Q4W) or placebo (PBO). All patients received BKZ 160 mg Q4W from Wk16 up to Wk52. Sustained improvements in ASAS40, BASDAI50 responses, BASDAI, BASFI and ASDAS-CRP scores were assessed up to Wk52. Missing data were imputed using non-responder or multiple imputation for binary and quantitative variables, respectively.

Results

254 nr-axSpA (BKZ: 128; PBO: 126) and 332 r-axSpA (BKZ: 221; PBO: 111) patients were randomised; 86.6% and 89.8% completed Wk52,

Disclosure

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