

INTRODUCTION

- Bromodomain and extra-terminal (BET) proteins play roles in epigenetic regulation in critical genes involved in inflammation and various oncogenic processes^[1].
- JAB-8263 is a highly potent, orally available, small molecule BET inhibitor that is being evaluated as monotherapy in patients with solid tumors and hematological malignancies (NCT04686682).

METHOD

In the dose escalation portion of phase 1/2a trial, patients with intermediate-/high risk MF received JAB-8263 at doses ranging from 0.125 mg once daily (QD) to 0.4 mg QD.

Key inclusion criteria:

- Age ≥18 years
- Confirmed primary MF, post-polycythemia vera MF or post-essential thrombocythemia MF
- ECOG Performance Status ≤ 2
- Spleen volume \geq 450 cm³
- Dynamic International Prognostic score $(DIPSS) \ge intermediate-1$

Primary Endpoints:

Determination of maximum tolerated dose (MTD)/ recommended Phase 2 dose (RP2D)of JAB-8263

Key Secondary Endpoints:

- ≥35% reduction from baseline in SVR (SVR35), as measured by MRI or CT, at week 24
- Total Symptom Score (TSS) response, defined as a \geq 50% decrease from baseline in TSS (TSS50), as measured by the MFSAF, at week 24

RESULTS

Patient Characteristics

As of Oct 17, 2024, 16 patients with intermediate-/highrisk MF have been enrolled across 4 dose levels of JAB-8263 (Table 1 and Table 2).

As of Oct 17, 2024, 11 patients are on active treatment. The median exposure of JAB-8263 is 7.9 months (Figure 1).

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	0.125mg QD	0.20mg QD	0.30mg QD	0.40mg QD	Total
	(N=1)	(N=4)	(N=6)	(N=5)	(N=16)
Age, median (range), y	56 (56)	61.5 (36-66)	65.5 (46-69)	59 (47-66)	62 (36-69)
Female, n (%)	1 (100%)	2 (50.0%)	2 (33.3%)	4 (80.0%)	9 (56.3%)
Race, n (%)					
Asian	1 (100%)	4 (100%)	6 (100%)	5 (100%)	16 (100%)
ECOG PS (%)					
0	0	1 (25.0%)	2 (33.3%)	2 (40.0%)	5 (31.3%)
1	1 (100%)	2 (50.0%)	4 (66.7%)	3 (60.0%)	10 (62.5%)
2	0	1 (25.0%)	0	0	1 (6.3%)

MF subtype, r PMF

Post PV M

Post ET MF

Prior JAK inhi treatment, n

JAK2 Mutatio

Median Time **Initial Diagnos** (range), mont DIPSS, n (%)

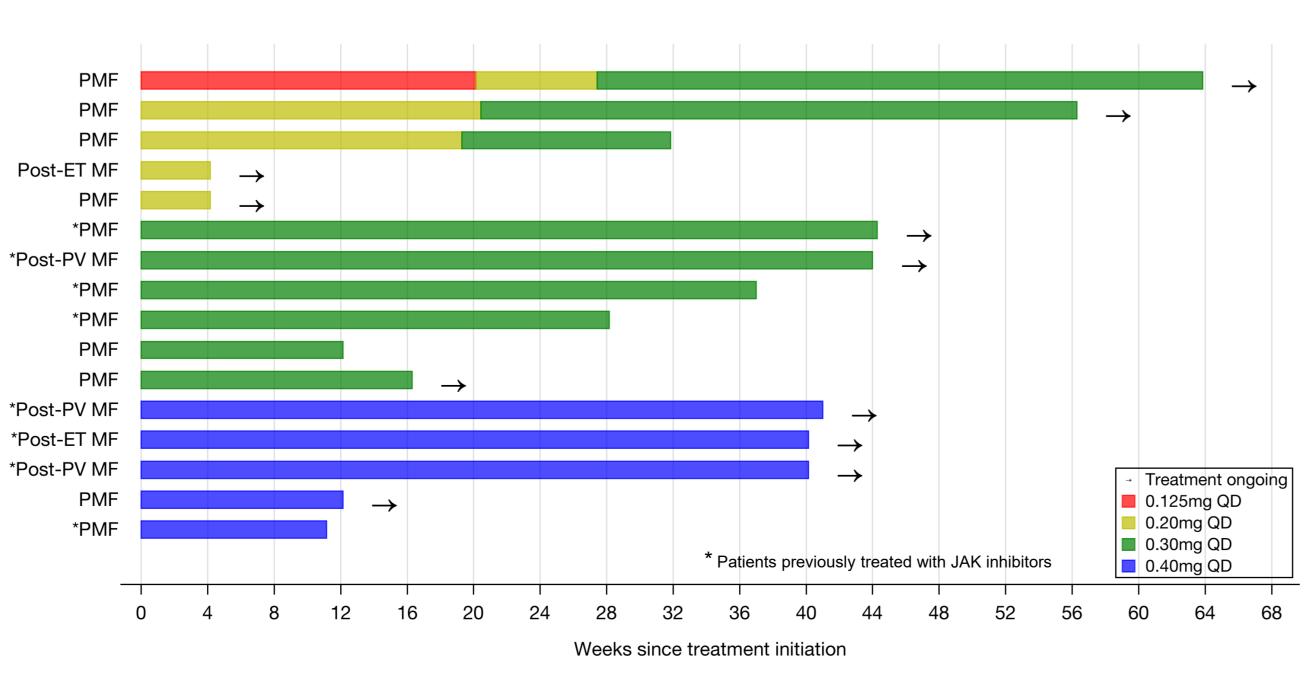
Intermedia

Intermedia

High risk

Spleen volum median (range

TSS, median



PRELIMINARY RESULTS OF PATIENTS WITH MYELOFIBROSIS FROM A PHASE I TRIAL OF JAB-8263, A **POTENT BET INHIBITOR**

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Table 1. Patient Demographics

ECOG PS. Eastern Cooperative Oncology Group Performance Status

Table 2. Baseline Disease Characteristics

	0.125mg QD	0.20mg QD	0.30mg QD	0.40mg QD	Total
	(N=1)	(N=4)	(N=6)	(N=5)	(N=16)
n (%)					
	1 (100%)	3 (75.0%)	5 (83.3%)	2 (40.0%)	11 (68.8%)
1F	0	0	1 (16.7%)	2 (40.0%)	3 (18.8%)
IF	0	1 (25.0%)	0	1 (20.0%)	2 (12.5%)
nibitor (%)	0	0	4 (66.7%)	4 (80.0%)	8 (50.0%)
on, n (%)	1 (100%)	4 (100%)	5 (83.3%)	5 (100%)	15 (93.8%)
e Since osis iths	0.9 (0.9)	3.0 (0.9-51.8)	17.8 (8.8-76.6)	26.7 (8.7-30.1)	13.5 (0.9-76.6)
)					
ate 1	1 (100%)	4 (100%)	2 (33.3%)	4 (80.0%)	11 (68.8%)
ate 2	0	0	3 (50.0%)	1 (20.0%)	4 (25.0%)
	0	0	1 (16.7%)	0	1 (6.3%)
ne, je), cm ³	582.7	1568.1 (453-1959)	2252.1 (789-6142)	1532 (926-3454)	1553.8 (453-6142)
ı (range)	34	7.5 (2-17)	8.5 (5-19)	12 (6-38)	9.5 (2-38)

PMF: Primary myelofibrosis; Post PV MF: Post-polycythemia vera myelofibrosis; Post ET MF: Post-essential thrombocythemia

Figure 1. Duration of JAB-8263 Treatment

Table 3. Safety Summary

	0.125mg QD	0.20mg QD	0.30mg QD	0.40mg QD	Total
	(N=1)	(N=4)	(N=6)	(N=5)	(N=16)
Any TEAE	1 (100%)	3 (75.0%)	6 (100%)	5 (100%)	15 (93.8%)
≥ Grade 3 TEAE	0	0	2 (33.3%)	4 (80.0%)	6 (37.5%)
Serious TEAE	0	0	1 (16.7%)	3 (60.0%)	4 (25.0%)
Any TRAE	1 (100%)	2 (50.0%)	6 (100%)	5 (100%)	14 (87.5%)
≥ Grade 3 TRAE	0	0	2 (33.3%)	3 (60.0%)	5 (31.3%)
Serious TRAE	0	0	0.00	3 (60.0%)	3 (18.8%)
TRAE Leading to JAB-8263 Interruption	0	0	4 (66.7%)	3 (60.0%)	7 (43.8%)
TRAE Leading to JAB-8263 Reduction	0	0	1 (16.7%)	3 (60.0%)	4 (25.0%)
TRAE Leading to JAB-8263 Discontinuation	0	0	0	1 (20.0%)	1 (6.3%)
TEAE: Treatment Emergent Adverse					1
DLT TEAE: Treatment Emergent Adverse Table 4. Summary of Mc	Event:; TRAE: Treatr	ment-Related Adve	erse Event; DLT: do		1 Total
TEAE: Treatment Emergent Adverse	Event:; TRAE: Treatr	ment-Related Adve	erse Event; DLT: do		1 Total (N=16)
TEAE: Treatment Emergent Adverse	Event:; TRAE: Treatronst Common v 0.125mg QD	ment-Related Adve JAB-8263-R 0.20mg QD	erse Event; DLT: do Related TEAE 0.30mg QD	0.40mg QD	
TEAE: Treatment Emergent Adverse Table 4. Summary of Mc Most Common TRAE, n(%)	Event:; TRAE: Treatr ost Common 0.125mg QD (N=1)	ment-Related Adve JAB-8263-R 0.20mg QD (N=4)	erse Event; DLT: do Related TEAE 0.30mg QD (N=6)	0.40mg QD (N=5)	(N=16)
TEAE: Treatment Emergent Adverse Table 4. Summary of Mc Most Common TRAE, n(%) Blood bilirubin increased	Event:; TRAE: Treatr ost Common 0.125mg QD (N=1) 0	ment-Related Adve JAB-8263-R 0.20mg QD (N=4) 0	erse Event; DLT: do Related TEAE 0.30mg QD (N=6) 3 (50.0%)	0.40mg QD (N=5) 5 (100%)	<mark>(N=16)</mark> 8 (50.0%)
TEAE: Treatment Emergent Adverse Table 4. Summary of Mc Most Common TRAE, n(%) Blood bilirubin increased Thrombocytopenia	Event:; TRAE: Treatr ost Common 0.125mg QD (N=1) 0 0	ment-Related Adve JAB-8263-R 0.20mg QD (N=4) 0	erse Event; DLT: do Related TEAE 0.30mg QD (N=6) 3 (50.0%) 3 (50.0%)	0.40mg QD (N=5) 5 (100%) 3 (60.0%)	(N=16) 8 (50.0%) 6 (37.5%)
TEAE: Treatment Emergent Adverse Table 4. Summary of Mc Most Common TRAE, n(%) Blood bilirubin increased Thrombocytopenia ALT increased	Event:; TRAE: Treatr ost Common 0.125mg QD (N=1) 0 0 1 (100%)	ment-Related Adve JAB-8263-R 0.20mg QD (N=4) 0 0 1 (25.0%)	erse Event; DLT: do Related TEAE 0.30mg QD (N=6) 3 (50.0%) 3 (50.0%)	0.40mg QD (N=5) 5 (100%) 3 (60.0%) 4 (80.0%)	(N=16) 8 (50.0%) 6 (37.5%) 6 (37.5%)
TEAE: Treatment Emergent Adverse Table 4. Summary of Mc Most Common TRAE, n(%) Blood bilirubin increased Thrombocytopenia ALT increased AST increased	Event:; TRAE: Treatr ost Common 0.125mg QD (N=1) 0 1 (100%) 1 (100%)	ment-Related Adve JAB-8263-R 0.20mg QD (N=4) 0 1 (25.0%) 0	erse Event; DLT: do Related TEAE 0.30mg QD (N=6) 3 (50.0%) 3 (50.0%) 0	0.40mg QD (N=5) 5 (100%) 3 (60.0%) 4 (80.0%) 4 (80.0%)	(N=16) 8 (50.0%) 6 (37.5%) 6 (37.5%) 5 (31.3%)
TEAE: Treatment Emergent Adverse Table 4. Summary of Mo Most Common TRAE, n(%) Blood bilirubin increased Thrombocytopenia ALT increased AST increased Diarrhea	Event:; TRAE: Treatr ost Common 0.125mg QD (N=1) 0 1 (100%) 1 (100%) 1 (100%)	ment-Related Adve JAB-8263-R 0.20mg QD (N=4) 0 1 (25.0%) 0 0	erse Event; DLT: do Related TEAE 0.30mg QD (N=6) 3 (50.0%) 3 (50.0%) 0 1 (16.7%)	0.40mg QD (N=5) 5 (100%) 3 (60.0%) 4 (80.0%) 2 (40.0%)	(N=16) 8 (50.0%) 6 (37.5%) 6 (37.5%) 5 (31.3%) 4 (25.0%)

Safety

- in the study.

Efficacy

As of Oct 17, 2024, 13 patients have undergone at least one post-treatment radiological efficacy assessment.

- TSS50.

ALT: alanine aminotransferase; AST: aspartate aminotransaminase

One patient was discontinued from the treatment due to JAB-8263related adverse events and no treatment-related fatal events occurred

One DLT (Grade 3 ALT increase and AST increase) occurred in a patient at the 0.4mg dose level.

Grade 3 or high TRAEs were thrombocytopenia (18.8%), anemia (12.5%), ALT increase (6.3%), AST increase (6.3%) and blood fibrinogen decrease (6.3%).

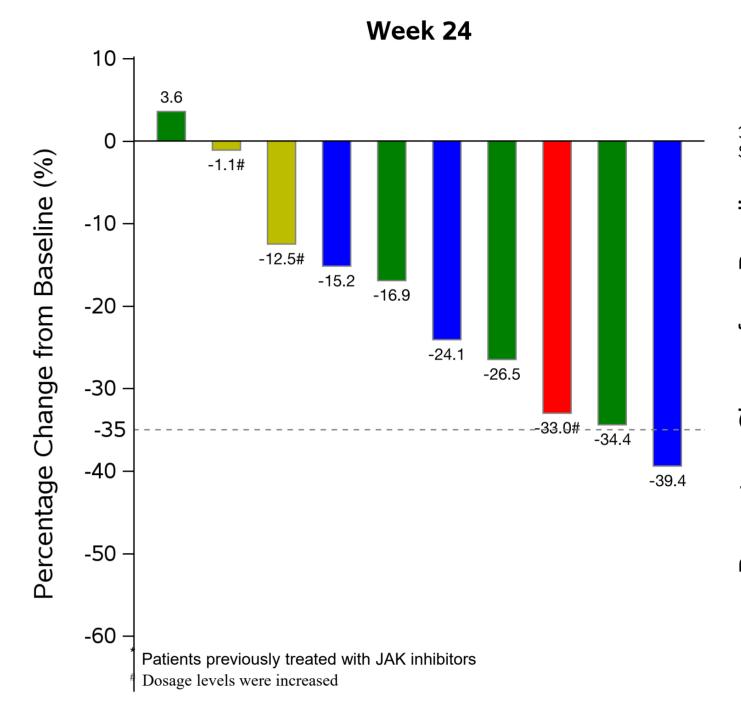
• All patients showed a mean SVR -19.95% (range: -39.4% to 3.6%) at week 24 and -26.16% (56.6% to -11.0%) at best response.

Two patients achieved ≥35% SVR and an SVR of -34.9% was seen in one patient.

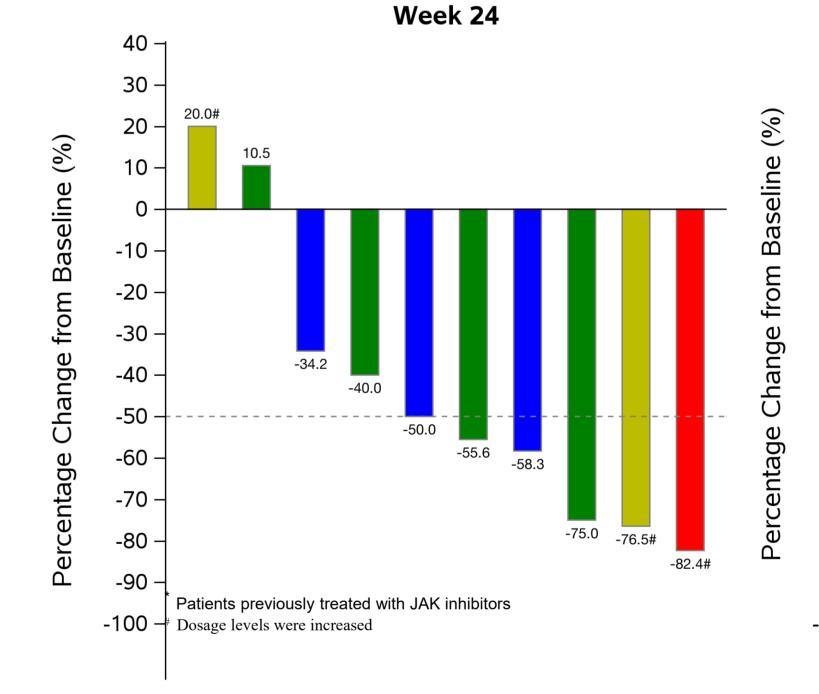
Six of ten (60%) patients experienced a \geq 50% reduction in TSS (TSS50) at week 24.

The best response of SVR in 2 of 8 patients (JAK inhibitors treated) were -41.2% and 34.9%, respectively.

At week 24, 3 of 6 (50%) patients (JAK inhibitors treated) achieved







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The authors thank all patients for participating in this study, and all investigators and staff for their efforts.

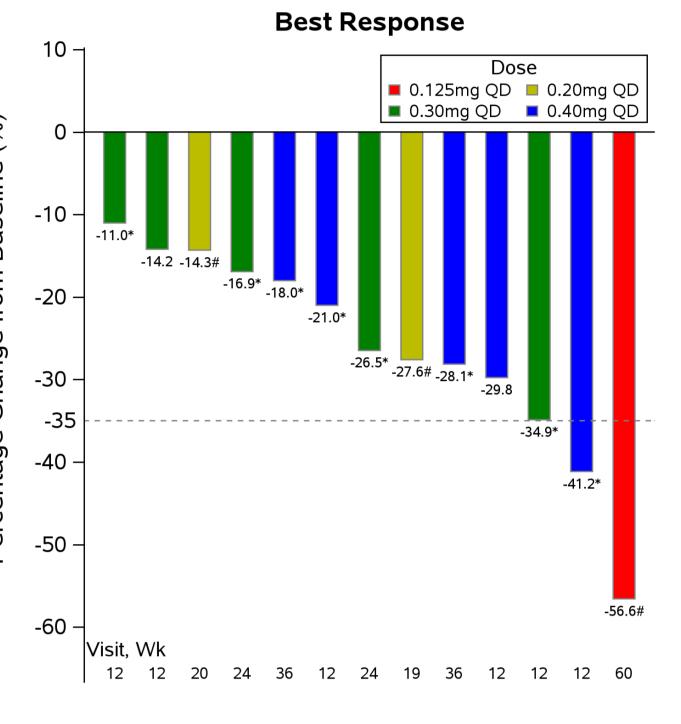


Figure 2. Spleen Volume Response from Baseline

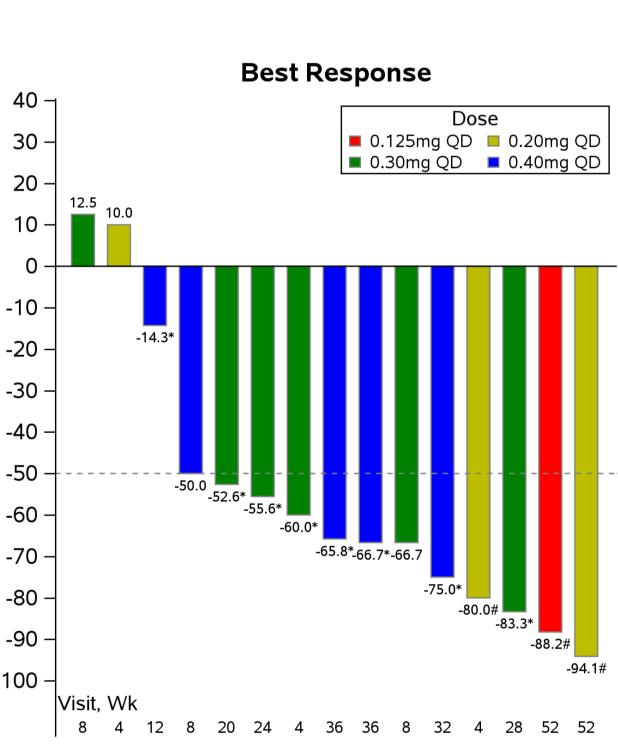


Figure 3. Symptom Improvement from Baseline

DNCLUSIONS

AB-8263 at 0.125mg QD-0.3mg QD was well tolerated. One DLT curred in 0.4mg QD. RP2D was 0.3mg QD.

ematological and gastrointestinal AEs are mild with JAB-8263 ntinuous dosing comparing to other BET inhibitors.

e preliminary efficacy data in MF for JAB-8263 monotherapy is omising. Most patients showed spleen reduction and TSS reduction. The monotherapy expansion is ongoing.

ACKNOWLEDGEMENTS

REFERENCES

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