Abstract: 7063

INTRODUCTION

Selinexor plus ruxolitinib in JAK inhibitor treatment-naïve patients with myelofibrosis: Updated results from XPORT-MF-034

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in Janus kinase 2 (JAK2),	calreticulin (CALR), an	sm that commonly harbors son d myeloproliferative leukemia	virus (MPL) genes. ¹	 Results are Table 2. SVR 	e as of Apr 10, 2023 data ci 35	utoff.
blast transformation. Furth	ermore, treatment-eme	gative prognostic marker in MI ergent thrombocytopenia is the atment, a JAK2 inhibitor (JAKi	Population	Timepoint	Selinexor 60mg +ruxolitinib, n (%)	
•		treatment of JAKi-naïve patien 50 with ruxolitinib at Week 24			SVR35 at Week 12	10/12* (83.3)
trial ⁵ and only ~25% of	of male patients achiev	e an SVR35 at Week 24.6		Efficacy		
 Most real-world patients achieve a spatients 	. ,	tment on a dose ≤15 mg BID a	and at these doses <27% of	Evaluable	SVR35 at Week 24	11/12 (91.7)
 Overall survival is sh 	ort; SVR35 is correlate				SVR35 at anytime	12/12 (100.0)
-	ed kinase (ERK), and	r that may inhibit MF-relevant p protein kinase B (AKT). Preclin ment in vivo ^{10,11}		Intent-to-	SVR35 at Week 12	10/14 (71.4)
		own to support the 60 mg dose	e of selinexor as the	Treat	SVR35 at Week 24	11/14 (78.6)
recommended selinexor d	-	n ruxolitinib. ¹² Updated results			SVR35 at anytime	12/14 (85.7)
are presented here.	MF	THODS	*One patient discontinued prior to Week 12; one patient with missing data at Week 12 who subsequently discontinued prior to Week 24.			
•	mg once-weekly plus r	en-label study evaluating safe uxolitinib per standard of care i		population had missir		77.8% (7/9) in the EE fior to reaching Week 24 and 1 2) in the ITT. Two patients with
• Select inclusion criteria: 2, or high-risk; ECOG 0-2;	-	0 cm3 by MRI or CT; IPSS inte 109/L.	rmediate-1, intermediate-	Figure 1. Syr	nptom scores at W12 & W	
• Primary endpoints: MTD,	RP2D, and Adverse E	vents (AEs).		Discomfo	ort Left Side Rib	
Key secondary endpoints	s: SVR35, TSS50, OS,	anemia response, AEs, ORR,	and PK analysis.	score		ezt
Analysis populations						Ĕ
Safety population: A	Il patients who receive	d at least one dose of selinexo	r.			Š
selinexor and an eval	uation at the timepoint	n assessment: All patients who (12 or 24 weeks): Symptom as ation at the timepoint (12 or 24	ssessment; Patients who	Median Sy 2 1		
who had at least one	dose of selinexor; Sym	nalysis population): Spleen a ptom assessment: All patients d no symptoms at baseline (T	who had at least one	0 BL 12 7	24 BL 12 24 BL 12 Night Sweats Itching	2 24 BL 12 24
	RE	SULTS		6 6		
Table 1. Baseline Character	istics			S 5 E		Jer
	Selinexor 60mg		Selinexor 60mg	h to		See
Characteristic	+ ruxolitinib (N=14)	Characteristic	+ ruxolitinib (N=14)	n Syr 3		9
Age (years), median (range)	64.5 (58-77)	Mutations, n (%)		ediai 2		
Female, n (%)	5 (35.7)	JAK2	11 (78.6)	≥ 1		
Baseline weight (kg), median (range)	77.5 (54.7-141.9)	CALR	2 (14.3)	0 B	L 12 24 BL 12 24 BL	12 24
Transfusion Status, n (%)		MPL	1 (7.1)			
Transfusion-Dependent	1 (7.1)	High-risk mutation [*]	5 (35.7)			
Transfusion-Independent	13 (92.9)	Hemoglobin (g/dL), n (%)		-		
MF type, n (%)	= (=0, 0)	<10	8 (57.1)		-	generally well tolerated an
Primary MF	7 (50.0)	≥10	6 (42.9)	 For particular 	itients who received pro	phylactic anti-emetics, nause
Post-ET MF	4 (28.6)	Platelets (10 ⁹ /L), n (%)		cycles		
Post-PV MF	3 (21.4)	100 to <150	2 (14.3)	• Meani	ngful weight gain was o	bserved despite incidence of
DIPSS risk, n (%)		≥150 Baseline spleen volume	12 (85.7)		8 8 8	commended 60 mg selinex
Int-1	3 (21.4)	(cm ³), median (range)	1961.6 (650.1-3657.0)	-		-
Int-2	8 (57.1)	1800 cm ³	7 (50)			% of evaluable patients at ar
High	3 (21.4)	>1800 cm ³	7 (50)	 Robust 	symptom improveme	nt were also observed with
DIPSS, Dynamic International Prognostic S ASXL1, EZH2, IDH1, IDH2, SRSF2, U2AF1		mbocythemia; PV, polycythemia vera. *Higl	n-risk genes include:	A double	e-blind, randomized, p	ohase 3 trial of selinexor 60
				•		tovsek S, et al. J Hematol Oncol. 2017;10:55. 5.

multidisciplinary review of Jakafi in 2011; document no: 202192Orig1s000 7. Palandri F, et al. Oncotarget. 2017;8:79073-86. (Supplementary Material). 8. Passamonti F, et al. Haematologica. 2015;100(9): 1139-45. 10. Zhong Y, et al. Leukemia. 2014;28(5):1158-63. 11. Yan D, et al. Clin Cancer Res. 2019;25(7): 2323–35. 12. Ali H, et al. Poster presented at the AACR Annual Meeting, April 14–19 2023, Orlando Florida; Abstract CT261

RESULTS



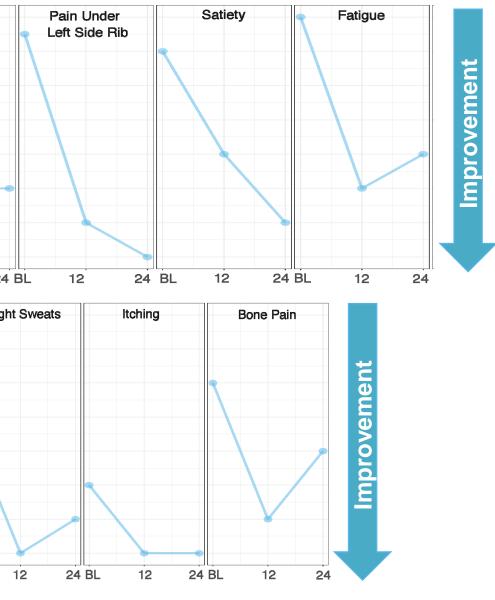
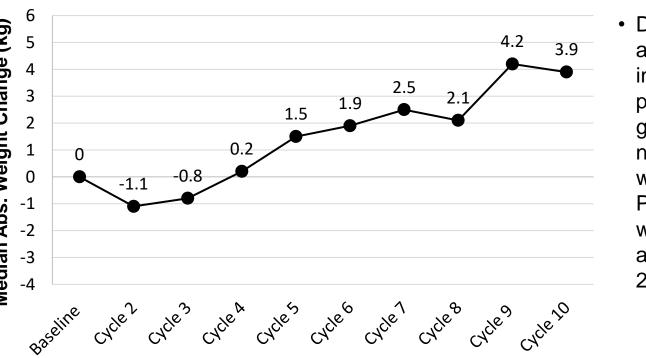


Table 3. Treatment-emergent adverse events	(TEAE)
Jene 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(

	nergent adverse eve		Table 4. SVR35 at Week 24 by subgroup in the 60 mg cohort			
TEAEs rux	Selinexor 60mg + ruxolitinib	TEAEs	Selinexor 60mg + ruxolitinib (N=14)	Subgroup	SVR35 at Week 24 for 60 mg cohort	
	(N=14)				n/N	Response Rate
y grade, >25% popul	ation	Grade 3+, >10% population		Gender		
Nausea	11 (78.6)	Anemia	6 (42.9)	Female	4/5	80 (28.4-99.5)
Anemia	9 (64.3)	Thrombocytopenia	4 (28.6)	Male	7/9	77.8 (40-97.2)
Thrombocytopenia Fatigue	9 (64.3) 8 (57.1)	Back pain TRAEs leading to treatment	2 (14.3)		115	11.0 (+0.01.2)
Constipation	7 (50.0)	Thrombocytopenia, Grade 3	1 (7.1)	Age	0/7	
Vomiting	7 (50.0)	Peripheral Neuropathy	1 (7.1)	18-65	6/7	85.7 (42.1-99.6)
Headache	5 (35.7)			≥65	5/7	71.4 (29-96.3)
Dyspnea	5 (35.7)			Ruxolitinib Starting		
Neutropenia	5 (35.7)			Dose		
Hyponatremia	5 (35.7)			15/20mg BID	6/8	75 (34.9-96.8)
Leukopenia Decreased appetite	5 (35.7) 4 (28.6)			5/10mg BID	5/6	83.3 (35.9-99.6)
Dysgeusia	4 (28.6)			MF type		
Back Pain	4 (28.6)				6/7	
Fall	4 (28.6)			Primary		85.7 (42.1-99.6)
Myalgia	4 (28.6)			Secondary	5/7	71.4 (29-96.3)
Pain in Extremity	4 (28.6)			DIPSS Risk		
Contusion	4 (28.6)			High Risk	2/3	66.7 (9.4-99.2)
Most nausea events were Gr. 1 (75%); 1 patient had Grade 3 nausea (no anti-emetic			Intermediate 1	2/3	66.7 (9.4-99.2)	
prophylaxis) 64% of patients received one prophylactic anti-emetic. Amongst the subgroup who				Intermediate 2	7/8	87.5 (47.3-99.7)
•	,	of patients experienced na	•	JAK2 Mutation		
		a not receive prophylactic a	•	Yes	9/11	81.8 (48.2-97.7)
(Grades 1-3)				No	2/3	66.7 (9.4-99.2)
0		the only one patient who ex	perienced		2/3	00.7 (9.4-99.2)
Frade 2 nausea did	not receive a prophyl	actic anti-emetic		Baseline Platelet		
uire 2. Weight char	nge in the 60 mg col	1				
are 2. Weight enal		nort		≤200K	4/6	66.7 (22.3-95.7)
6			popito pousoo	≤200K >200K	4/6 7/8	66.7 (22.3-95.7) 87.5 (47.3-99.7)
6 5		• De	espite nausea			, , , , , , , , , , , , , , , , , , ,
6 5	2	4.2 3.9 ar	espite nausea Id vomiting cidence,	>200K		, , , , , , , , , , , , , , , , , , ,
6 5	19	4.2 3.9 ar	d vomiting	>200K Baseline Hemoglobin <10 g/dL	7/8	87.5 (47.3-99.7) 75.0 (34.9-96.8)
6	1.5 1.9	4.2 3.9 .5 2.1 • De an inc pa ge	id vomiting cidence, itients enerally did	>200K Baseline Hemoglobin <10 g/dL ≥10 g/dL	7/8 6/8	87.5 (47.3-99.7)
6	19	4.2 3.9 4.2 3.9 ind pa gen nd	id vomiting cidence, itients enerally did of experience	>200K Baseline Hemoglobin <10 g/dL	7/8 6/8	87.5 (47.3-99.7) 75.0 (34.9-96.8)
5	1.5 1.9	4.2 3.9 .5 2.1 9 an 10 pa 10 pa	id vomiting cidence, atients enerally did of experience eight loss. atient median	>200K Baseline Hemoglobin <10 g/dL ≥10 g/dL Baseline Spleen	7/8 6/8	87.5 (47.3-99.7) 75.0 (34.9-96.8)
$ \begin{array}{c} 6 \\ 5 \\ 4 \\ 3 \\ 2 \\ 1 \\ 0 \\ 0 \\ -1.1 \\ -0.8 \\ 1 \\ 2 \\ \end{array} $	1.5 1.9	4.2 3.9 .5 2.1 .5 2.	id vomiting cidence, atients enerally did at experience eight loss. atient median eight increase	>200K Baseline Hemoglobin <10 g/dL ≥10 g/dL Baseline Spleen Volume	7/8 6/8 5/6	87.5 (47.3-99.7) 75.0 (34.9-96.8) 83.3 (35.9-99.6)
$ \begin{array}{c} 6 \\ 5 \\ 4 \\ 3 \\ 2 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	1.5 1.9	4.2 3.9 .5 2.1 .5 2.	id vomiting cidence, atients enerally did of experience eight loss. atient median	>200K Baseline Hemoglobin <10 g/dL ≥10 g/dL Baseline Spleen Volume <1800cm ³	7/8 6/8 5/6 5/7	87.5 (47.3-99.7) 75.0 (34.9-96.8) 83.3 (35.9-99.6) 71.4 (29-96.3)
$ \begin{array}{c} 6 \\ 5 \\ 4 \\ 3 \\ 2 \\ 1 \\ 0 \\ 0 \\ -1 \\ -2 \\ -3 \\ -4 \\ \end{array} $	1.5 1.9	4.2 3.9 .5 2.1 .5 2.	id vomiting cidence, atients enerally did of experience eight loss. atient median eight increase Week 24 was	>200K Baseline Hemoglobin <10 g/dL ≥10 g/dL Baseline Spleen Volume <1800cm ³ ≥1800 cm ³	7/8 6/8 5/6 5/7	87.5 (47.3-99.7) 75.0 (34.9-96.8) 83.3 (35.9-99.6) 71.4 (29-96.3)

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CONCLUSIONS

and manageable allowing most patients to remain on therapy; most common AEs were nausea, anemia, thrombocytopenia, and fatigue usea and vomiting was limited to Grade 1, suggesting that nausea and vomiting can be further optimized with mandatory, dual antiemetics for the first two

of nausea and vomiting

exor in combination with ruxolitinib, rapid, deep, and sustained spleen responses were observed across all subgroups anytime and SVR35 rates at Week 24 were consistent by gender and regardless of ruxolitinib starting dose 60 mg + ruxolitinib vs placebo + ruxolitinib in JAKi treatment-naïve patients with MF planning to initiate 1H 2023

For questions about this presentation, please contact harisali@coh.org.

- ith 77.8% of evaluable patients achieving TSS50 at anytime and improvements were observed across all spleen and cytokine related symptoms