Elacestrant plus abemaciclib (abema) combination in patients (pts) with estrogen receptor-positive (ER+), HER2-negative (HER2-) advanced or metastatic breast cancer (mBC)

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At Risk: 11 8

Data cut-off: 15 OCT 2024.

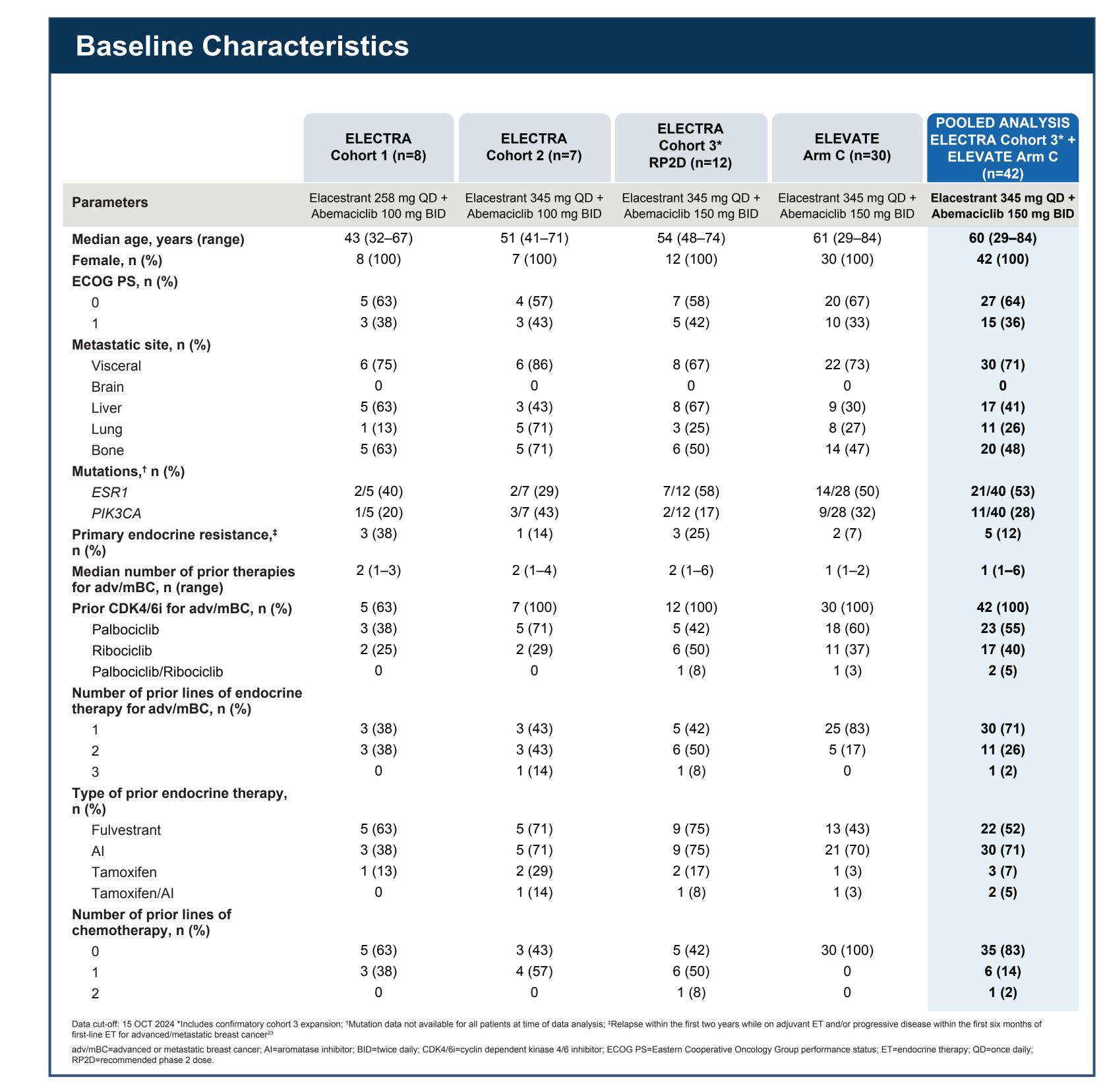
BACKGROUND

- After first-line endocrine therapy (ET) + CDK4/6i in patients ER+/HER2- mBC, tumors eventually develop resistance to intrinsic alterations in the cell cycle or PI3K/AKT/mTOR pathways, or to acquired ESR1-mutations that emerge in up to 50% of patients, leading to disease progression. 1-18
- In the phase 3 EMERALD trial, single-agent elacestrant significantly prolonged mPFS with a manageable safety profile vs. SOC ET, leading to the first oral SERD approved in ER+/HER2mBC that targets *ESR1*-mutated tumors. 19,20
- Patients with ESR1-mutated tumors had a 45% reduction in risk of progression or death with elacestrant vs SOC (HR=0.55; 95% CI: 0.39–0.77; *P*=0.0005).²⁰
- In patients with ≥12 months of prior ET + CDK4/6i and ESR1-mutated tumors, mPFS with elacestrant was 8.6 months vs 1.9 months with SOC (HR=0.41; 95% CI: 0.26-0.63).2
- The rationale for combining elacestrant + abemaciclib is to overcome different resistance mechanisms and enable an all-oral regimen.
- In the ELECTRA phase 1b study (NCT05386108), the recommended phase 2 dose (RP2D) was
- Elacestrant 345 mg + abemaciclib 150 mg BID (RP2D)
- ORR=25%; CBR at 16 weeks = 75%
- PK analyses showed no significant drug-drug interactions with a manageable safety profile
- This pooled analysis reports updated safety and preliminary efficacy with the elacestrant + abemaciclib combination in patients with prior ET + CDK4/6i exposure (excluding abemaciclib) from the ongoing ELECTRA (phase 1b portion) and ELEVATE (phase 2 [Arm C] NCT05563220) studies.

METHODS

ELECTRA (Ph1)		ELEVATE (Arm C)
Elacestrant + Abemaciclib 258-345 mg QD + 100-150 mg BID	RP2D	Elacestrant + Abemaciclib 345 mg QD + 150 mg BID
Phase 1b (N=27)		Phase 2 (N=30)
OTHER ELIGIBILITY CRITERIA (ELECTRA) • Received at least 1 line of prior ET+ CDK4/6i (excluding abemaciclib) in the advanced setting [‡] • ≤2 lines of prior chemotherapy allowed in the advanced/metastatic setting • Brain metastasis were not required	 KEY ELIGIBILITY CRITERIA Women (pre-, peri-, or postmenopausal) or men age ≥18 years ER+/HER2- a/mBC[†] Received prior ET + CDK4/6i in the metastatic setting (excluding abemaciclib) ECOG PS 0-1 	OTHER ELIGIBILITY CRITERIA (ELEVATE) Received 1-2 lines of prior ET + CDK4/6i (excluding abemaciclib) in the advanced setting § No prior chemotherapy in advanced/metastatic setting

RESULTS



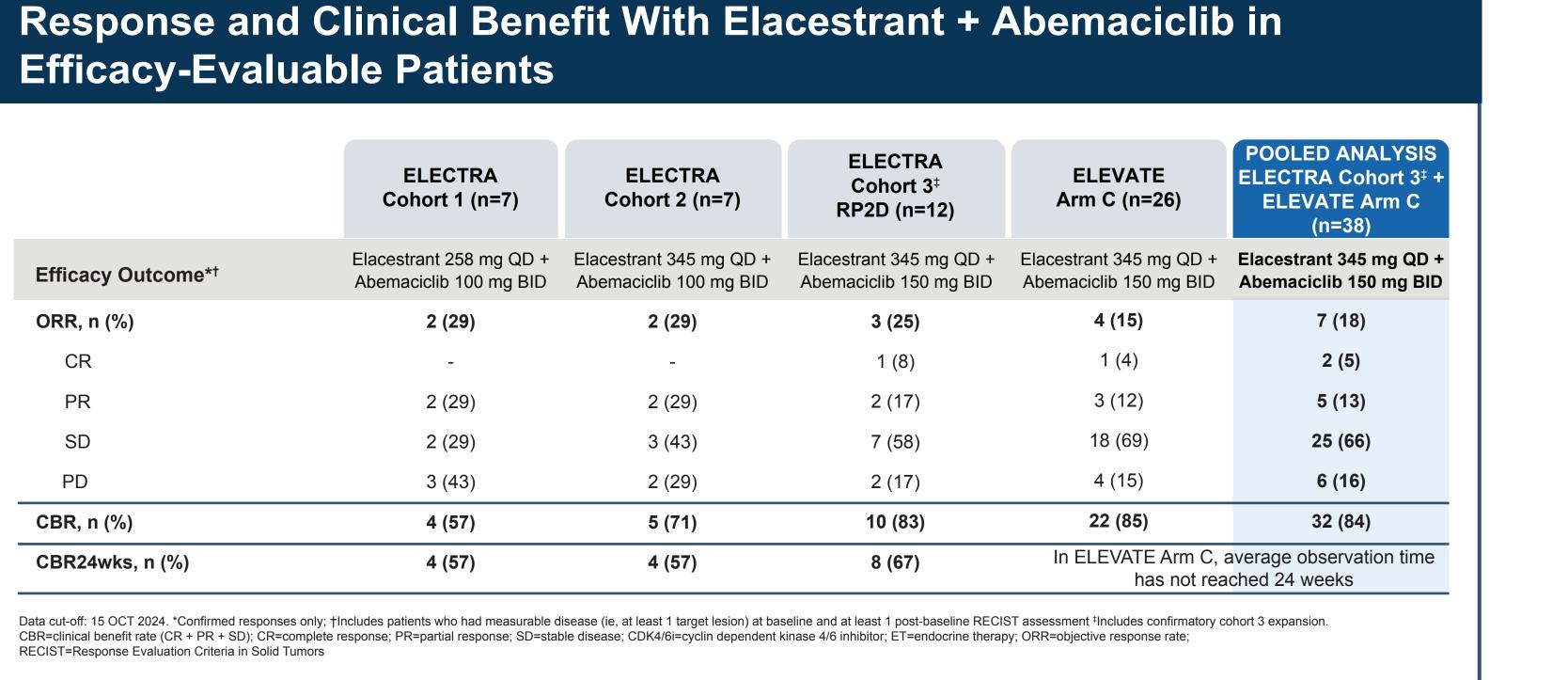
Treatment-Emer	gent A	dvers	e Even	its (TE	EAEs)	≥20%	at RP2	2D		
	ELEC Cohort		ELEC Cohort 2		ELEC Cohor RP2D (r	rt 3*	ELEVA		POOLED AI ELECTRA C ELEVATE (n=4	ohort 3* + E Arm C
	Elacestrant 258 mg QD + Abemaciclib 100 mg BID				Elacestrant 345 mg QD + Abemaciclib 150 mg BID		Elacestrant 345 mg QD + Abemaciclib 150 mg BID		_	
Preferred Term, n (%)	All Grades	Grade 3	All Grades	Grade 3	All Grades	Grade 3	All Grades	Grade 3	All Grades	Grade 3
Diarrhea	5 (63)	0	6 (86)	0	11 (92)	0	24 (80)	2 (7)	35 (83)	2 (5)
Nausea	6 (75)	0	5 (71)	0	8 (67)	0	19 (63)	2 (7)	27 (64)	2 (5)
Vomiting	1 (13)	0	3 (43)	0	4 (33)	1 (8)	13 (43)	0	17 (41)	1 (2)
Fatigue	1 (13)	0	1 (14)	0	2 (17)	0	13 (43)	2 (7)	15 (36)	2 (5)
Neutropenia/neutrophil decreased	2 (25)	2 (25)	3 (43)	2 (29)	9 (75)	7 (58)	5 (17)	4 (13)	14 (33)	11 (26)
Anemia	1 (13)	0	2 (29)	0	4 (33)	1 (8)	6 (20)	2 (7)	10 (24)	3 (7)
Constipation	0	0	3 (43)	0	0	0	9 (30)	0	9 (21)	0
Decreased appetite	2 (25)	Λ	3 (43)	Λ	2 (17)	0	7 (23)	Λ	9 (24)	0

No grade 4 AEs were reported during the elacestrant + abemaciclib treatment period

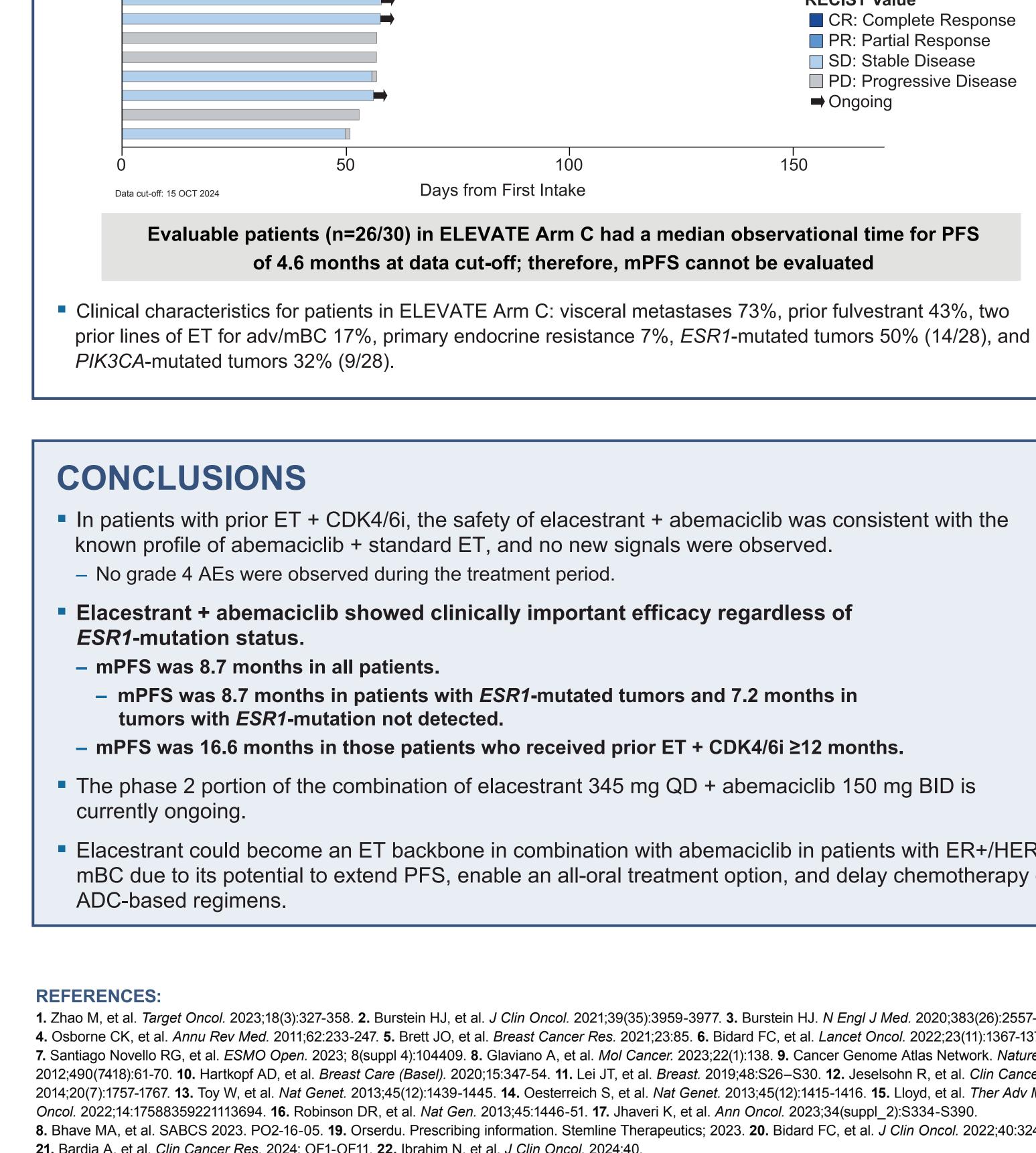
Data cut-off: 15 OCT 2024. *Includes confirmatory cohort 3 expansion. AE=adverse event; BID=twice daily; CDK4/6i=cyclin dependent kinase 4/6 inhibitor; ET=endocrine therapy; QD=once daily; RP2D=Recommended Phase 2 dose.

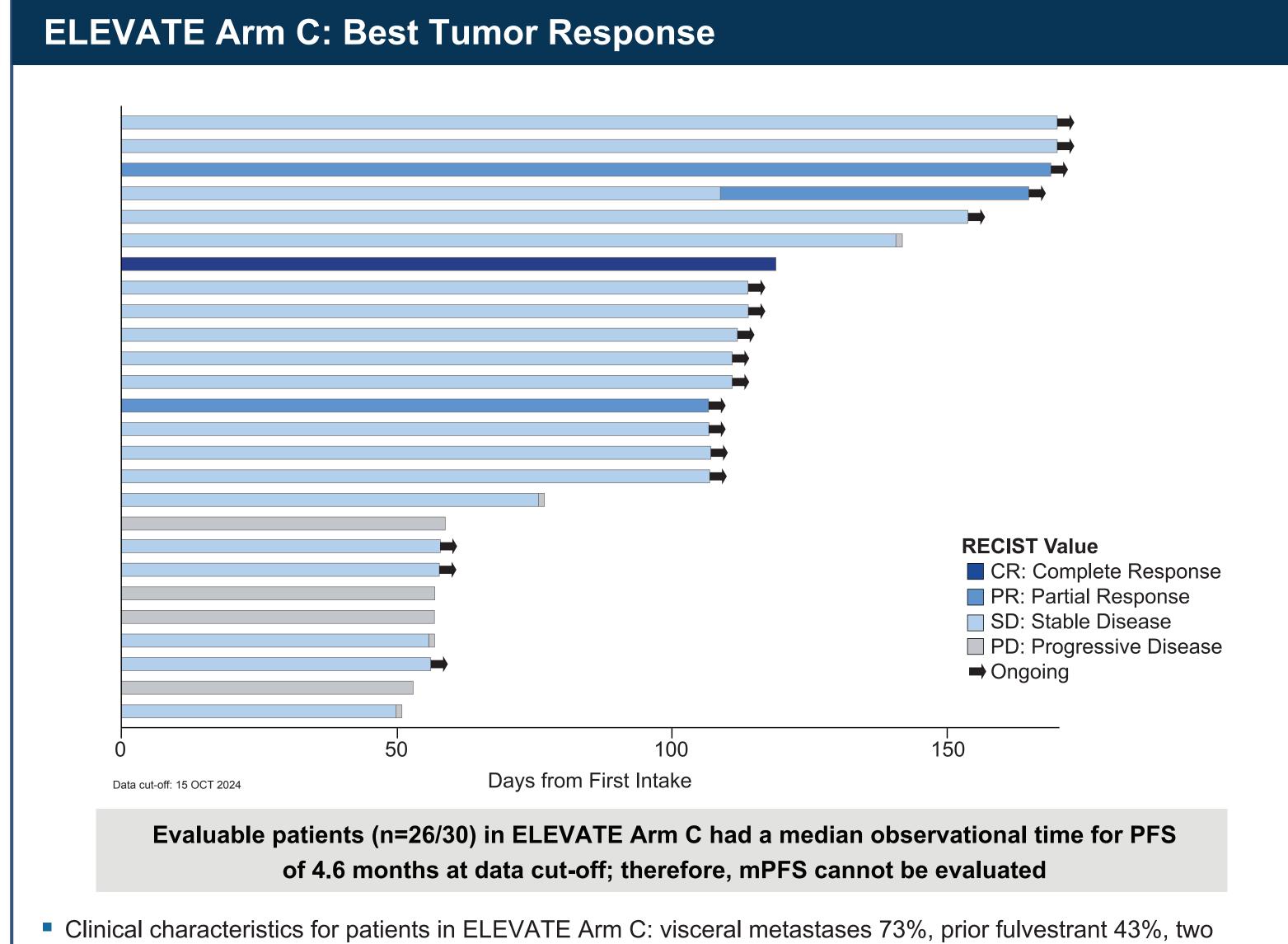
Population All patients Prior ET+CDK4/6i ESR1-mutated tumors ESR1-mutation not detected Prior ET+CDK4/6i ≥12 months Dose level Elacestrant 345 mg QD + Abemaciclib 150 mg BID (RP2D) Elacestrant 345 mg QD + Abemaciclib 100 mg BID Elacestrant 258 mg QD + Abemaciclib 100 mg BID	n 27 24 11 12 16	mPFS, mo 8.7 8.7 8.7 7.2 16.6	[95% CI] [6.1 – 16.6] [6.1 – 16.6] [2.0 – NC] [1.9 – NC] [7.5 – NC]
Prior ET+CDK4/6i ESR1-mutated tumors ESR1-mutation not detected Prior ET+CDK4/6i ≥12 months Prior ET+CDK4/6i ≥12 months Dose level Elacestrant 345 mg QD + Abemaciclib 150 mg BID (RP2D) Elacestrant 345 mg QD + Abemaciclib 100 mg BID	24 11 12 16 12 7	8.7 8.7 7.2 16.6	[6.1 – 16.6] [2.0 – NC] [1.9 – NC] [7.5 – NC]
ESR1-mutated tumors ESR1-mutation not detected Prior ET+CDK4/6i ≥12 months Dose level Elacestrant 345 mg QD + Abemaciclib 150 mg BID (RP2D) Elacestrant 345 mg QD + Abemaciclib 100 mg BID	11 12 16 12 7	8.7 7.2 16.6 8.7	[6.1 – 16.6] [2.0 – NC] [1.9 – NC] [7.5 – NC]
ESR1-mutation not detected Prior ET+CDK4/6i ≥12 months Dose level Elacestrant 345 mg QD + Abemaciclib 150 mg BID (RP2D) Elacestrant 345 mg QD + Abemaciclib 100 mg BID	11 12 16 12 7	8.7 7.2 16.6 8.7	[2.0 – NC] [1.9 – NC] [7.5 – NC]
ESR1-mutation not detected Prior ET+CDK4/6i ≥12 months ose level lacestrant 345 mg QD + Abemaciclib 150 mg BID (RP2D) lacestrant 345 mg QD + Abemaciclib 100 mg BID	12 16 12 7	7.2 16.6 8.7	[1.9 – NC] [7.5 – NC]
Dose level Elacestrant 345 mg QD + Abemaciclib 150 mg BID (RP2D) Elacestrant 345 mg QD + Abemaciclib 100 mg BID	16 12 7	16.6 8.7	[7.5 – NC]
lacestrant 345 mg QD + Abemaciclib 150 mg BID (RP2D) lacestrant 345 mg QD + Abemaciclib 100 mg BID	7		[7 2 – NC]
lacestrant 345 mg QD + Abemaciclib 100 mg BID	7		[7 2 – NC]
Elacestrant 345 mg QD + Abemaciclib 100 mg BID	7		[1.40]
Elacestrant 258 mg QD + Abemaciclib 100 mg BID	0	7.5	[1.9 – NC]
	8	8.4	[1.7 – 17.3]
linical characteristics: visceral metastases 74%, rimary endocrine resistance 26%, ESR1-mutated	•) and <i>PIK3CA</i> -mutate	ed tumors 25% (6/24)
All Patients	100	Prior ET+CDK4/6i	≥12 Months
mPFS 8.7 months	80-		mPFS 16.6 months
95% CI: 6.1 – 16.6			95% CI: 7.5 – NC
	- 60-	'	
- -	80 60 -		
<u></u>	SH 40-		<u> </u>
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+ Censored 0 3 6 9 12 15 18 21	0-	3 6 9 12	+ Censored 2 15 18 21
Months	U	Months	2 13 10 21
27 19 16 9 6 5 1 0	At Risk: 16	13 12 8 5	4 1 0
ESR1-Mutated Tumors	100 -	ESR1-Mutation Not	t Detected
mPFS 8.7 months	80-		mPFS 7.2 months
95% CI: 2.0 – NC	[95% CI: 1.9 – NC
	8 60 -		
-	$\tilde{\omega}$		
<u> </u>	SH 40-		
	L 40-		
		-	+
	20 -		
			+ Censored

At Risk: 12 8 6 4 2 1 0



mPFS in Efficacy-Evaluable Patients from ELECTRA Phase 1b





- In patients with prior ET + CDK4/6i, the safety of elacestrant + abemaciclib was consistent with the known profile of abemaciclib + standard ET, and no new signals were observed.
- Elacestrant + abemaciclib showed clinically important efficacy regardless of
- mPFS was 8.7 months in patients with *ESR1*-mutated tumors and 7.2 months in
- mPFS was 16.6 months in those patients who received prior ET + CDK4/6i ≥12 months.
- The phase 2 portion of the combination of elacestrant 345 mg QD + abemaciclib 150 mg BID is
- Elacestrant could become an ET backbone in combination with abemaciclib in patients with ER+/HER2mBC due to its potential to extend PFS, enable an all-oral treatment option, and delay chemotherapy or

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