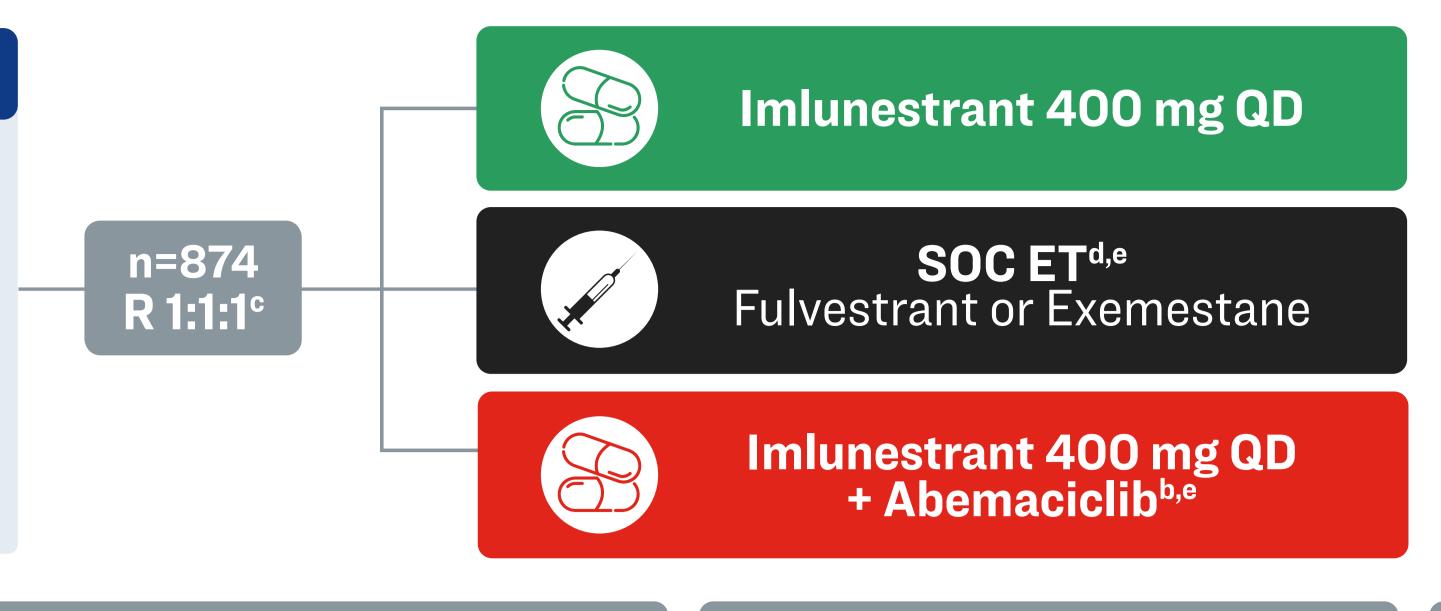
# EMBER-3: Study of Imlunestrant Alone or in Combination With Abemaciclib for Patients With ER+, HER2- ABC Following Progression on Previous ET

## **Study Design:**

### ER+, HER2- ABC

Men & pre<sup>a</sup>/postmenopausal women Prior therapy:

- Adjuvant: Recurrence on or within 12 months of completing AI ± CDK4/6i
- **ABC:** Progression on 1L AI ± CDK4/6i
- No other therapy for ABC



Infographic Objective: Present the primary outcome results of the EMBER-3 trial

#### **Stratification Factors:**

- Prior CDK4/6i therapy (yes/no)
- Visceral metastases (yes/no)
- Region<sup>c</sup>

#### **Primary Endpoints Investigator-Assessed PFS<sup>f</sup>:**

- A vs B in patients with ESR1mg
- A vs B in all patients C vs A in all patients<sup>h</sup>
- **Secondary Endpoints:**
- OS, PFS by BICR, and ORR
- CBR, DoR Safety

**Exploratory Endpoints:** PFS and OS

C vs B in all patients<sup>h</sup>

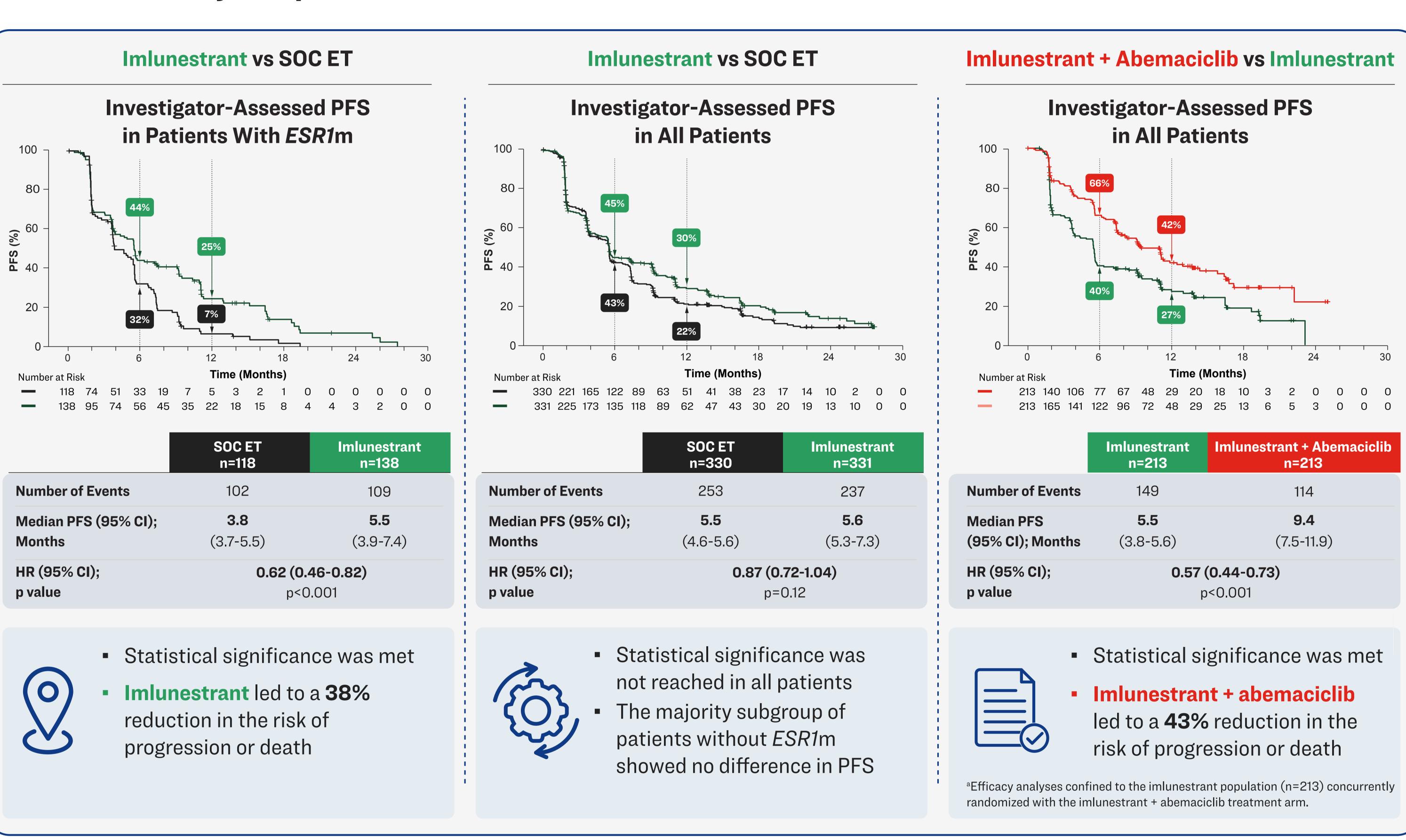
Enrolled October 2021 to November 2023 across 243 sites in 22 countries.

<sup>a</sup>GnRH agonist required in men and premenopausal women. <sup>b</sup>Enrollment to Arm C started with amendment A (at which point 122 patients had been randomized across Arms A and B). <sup>c</sup>East Asia vs North America/Western Europe vs Others. dInvestigators' choice. Labelled dose. Scans every 8 weeks for the first 12 months, then every 12 weeks. ESR1m status was centrally determined in baseline plasma by Guardant 360® ctDNA assay and Burning Rock Biotech OncoCompass plus assay for patients from China (n=40). <sup>h</sup>Analysis conducted in all concurrently randomized patients.

#### **Baseline Patient Demographics:**

- Demographics and baseline characteristics were well balanced at study entry
- Overall, ~37% of patients harbored an ESR1m and ~60% had previously received a CDK4/6

## **Results: Primary Endpoints**



# **Safety and Tolerability**

Top 3 Most Frequent TEAEs, %		Imlunestrant n=327		SOC ET n=324		Top 3 Most Frequent TEAEs, %	Imlunestrant + Abemaciclik n=208	
		Any Grade	Grade ≥3	Any Grade	Grade ≥3		Any Grade	Grade ≥3
Patients with ≥1	TEAE	83	17	84	21	Patients with ≥1 TEAE	98	49
Fatigue <sup>a</sup>		23	<1	13	1	Diarrhea	86	8
Diarrhea		21	<1	12	0	Nausea	49	2
Nausea		17	<1	13	0	Neutropenia <sup>a</sup>	48	20
Dose reductions due to AE, %		2		0		Dose reductions due to AE, %d	39	
Discontinuations due to AÉ, %		4		1		Discontinuations due to AÉ, %	6	
Deaths due to AE on study, %		2		1		Deaths due to AE on study, %	1	
njection Site TEAE, n/N (%)b		N,	/A	27/29	2 (9%)			
Reactiona	PRO-CTCAE, n/I	N (%)° N	/A	201/27	9 (72%)	Consistent with the known abemaciclib pro		nrofilo
Generally favorable safety profile						Consistent with the kilo	wii abeiliaciciik	prome

- Imlunestrant led to a statistically significant improvement in PFS vs SOC ET in patients with ESR1m (HR=0.62, 95% CI=0.46-0.82), but not in all patients with ER+, HER2- ABC (HR=0.87, 95% CI=0.72-1.04)
- Imlunestrant + abemaciclib demonstrated a statistically significant improvement in PFS vs imlunestrant alone in all patients (HR=0.57, 95%) CI=0.44-0.73), regardless of *ESR1*m status
- Treatment effect of imlunestrant monotherapy in the ESR1m population and imlunestrant + abemaciclib in the overall population across key subgroups and the secondary endpoints of ORR and PFS by BICR (not shown) supported the primary outcomes
- The safety profile associated with imlunestrant monotherapy was favorable with a low discontinuation rate and similar to that of SOC ET; the safety profile of imlunestrant in combination with abemaciclib was comparable to that of fulvestrant plus abemaciclib

Imlunestrant, as monotherapy or combined with abemaciclib, provides an all-oral targeted therapy option after progression on ET for patients with ER+, HER2- ABC

Reference: SABCS 2024 Presentation. Komal L. Jhaveri, et al. Abstract GS1-01: Imlunestrant, an Oral Selective Estrogen Receptor Degrader (SERD), as Monotherapy and Combined with Abemaciclib, for Patients with ER+, HER2- Advanced Breast Cancer (ABC), Pretreated with Endocrine Therapy (ET): Results of the Phase 3 EMBER-3 trial.

Abbreviations: 1L=First-line; ABC=Advanced Breast Cancer; AE=Adverse Event; AI=Aromatase Inhibitor; BICR=Blinded Independent Central Review; CBR=Clinical Benefit Rate; CDK4/6i=Cyclin-dependent Kinase 4/6 Inhibitor; CI=Confidence Interval; ctDNA=Circulating Tumor DNA; DoR=Duration of Response; ER=Estrogen Receptor; ET=Endocrine Therapy; EU=European Union; GnRH=Gonadotropin-releasing Hormone; HER2=Human Epidermal Growth Factor Receptor 2; HR=Hazard Ratio; m=Mutation; N/A=Not Applicable; ORR=Objective Response Rate; OS=Overall Survival; PFS=Progression-free Survival; PRO-CTCAE=Patient-Reported Outcomes Version of the Common Terminology Criteria for Adverse Events; QD=Once Daily; R=Randomized; SOC=Standard of Care; TEAE=Treatment-emergent Adverse Event.



A MEDICINE COMPANY

ClinicalTrials.gov identifier: NCT04975308