

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

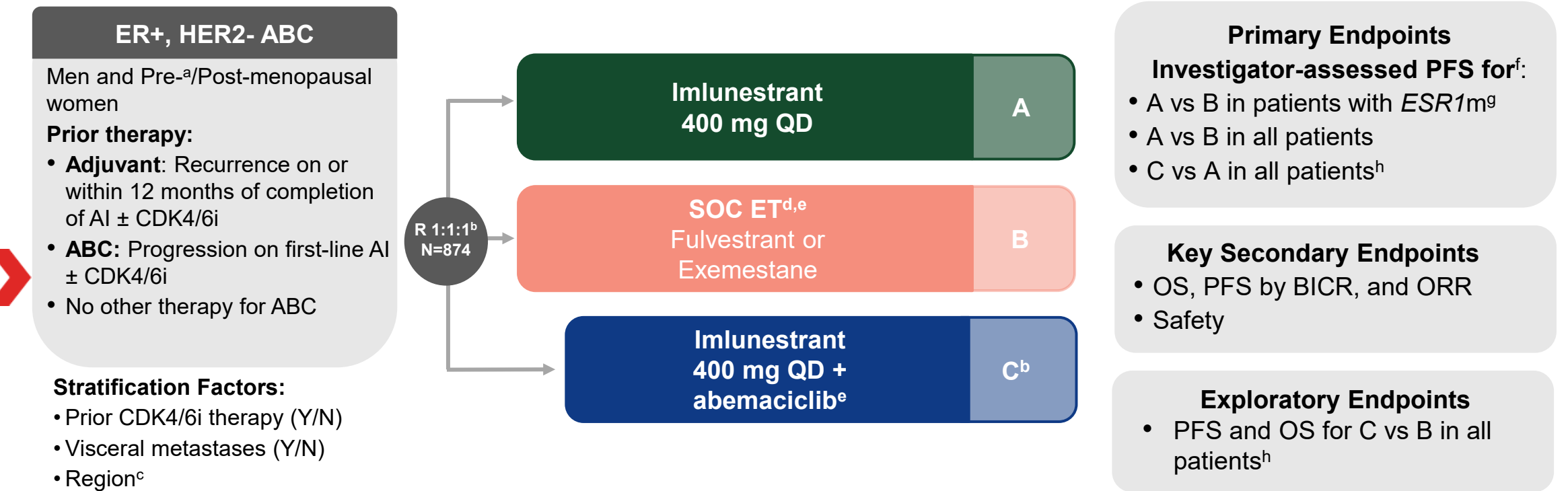
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Background



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/EU vs Others. <sup>d</sup>Investigators' choice. <sup>e</sup>Labelled dose. <sup>f</sup>Scans every 8 weeks for the first 12 months, then every 12 weeks. <sup>g</sup>*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.

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

Conclusions

- 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 *ESR1m* status
- Treatment effect of imlunestrant monotherapy in the *ESR1m* population and imlunestrant plus 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**

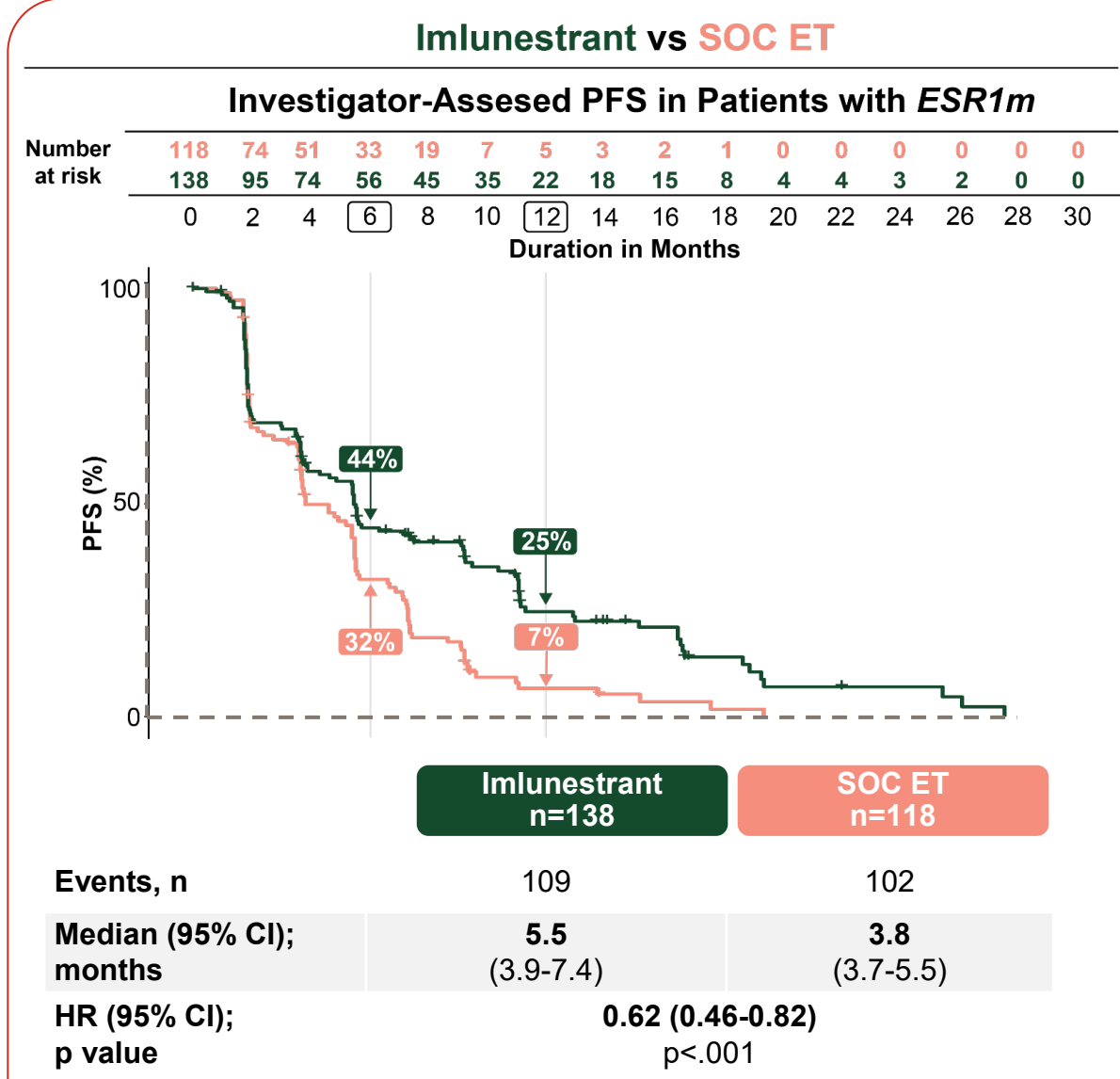
**Reference:** SABCS 2024 Presentation. Komal L. Jhaveri, et al. Abstract GS1-01: Imlunestrant, an Oral Selective Estrogen Receptor Degradar (SERD), as Monotherapy and Combined with Abemaciclib, for Patients with ER+, HER2- Advanced Breast Cancer (ABC), Pretreated with Endocrine Therapy (ET): Results of the Phase 3 EMBER-3 trial, and includes data from Jhaveri et al. NEJM. 2024; 10.1056/NEJMoa2410858

**Abbreviations:** 1L=first line; ABC=advanced breast cancer; AE=adverse event; AI=aromatase inhibitor; BICR=blinded independent central review; CDK4/6i=cyclin-dependent kinase 4/6 inhibitor; CI=confidence interval; ctDNA=circulating tumor DNA; ER=estrogen receptor; 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.

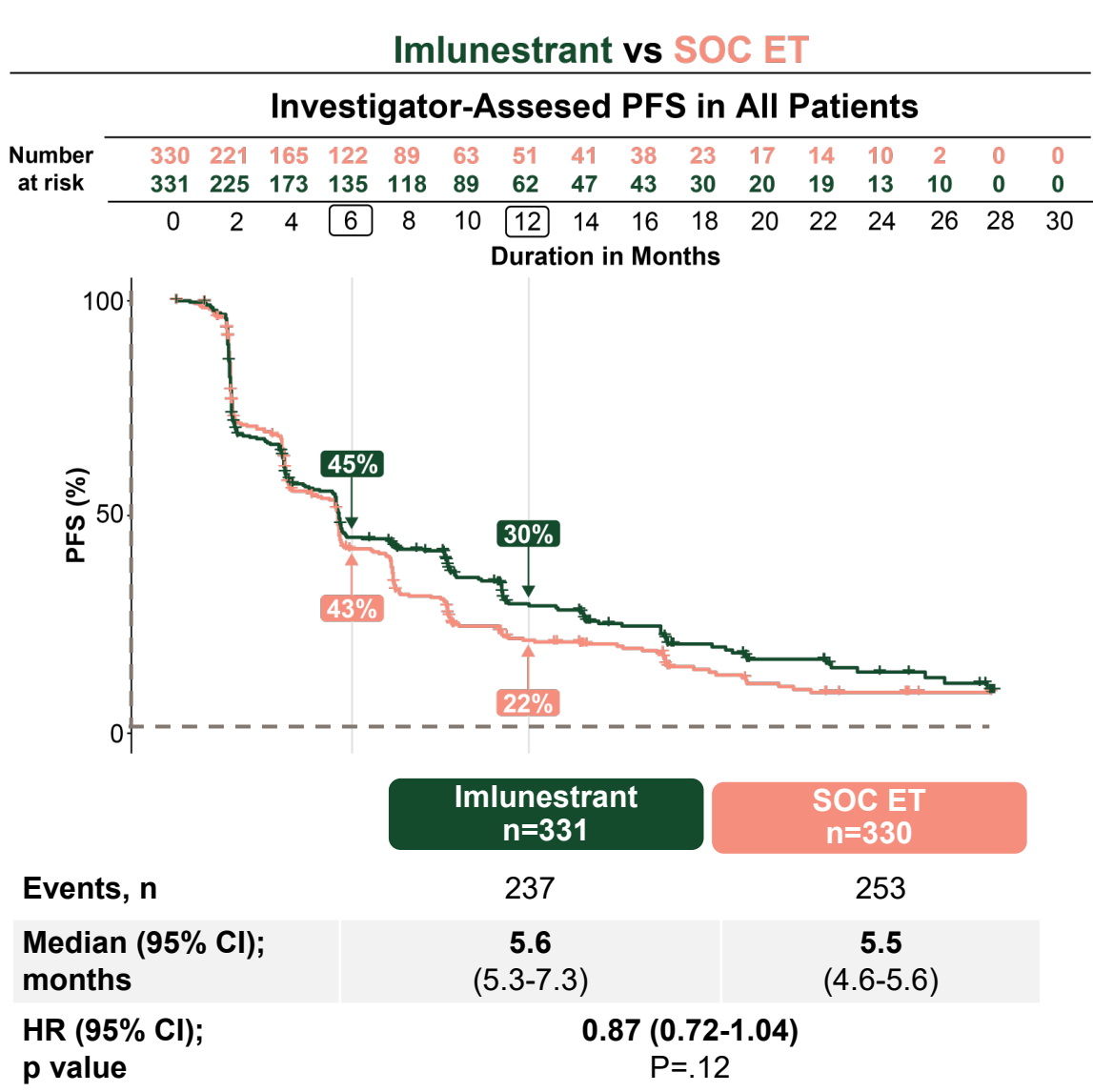
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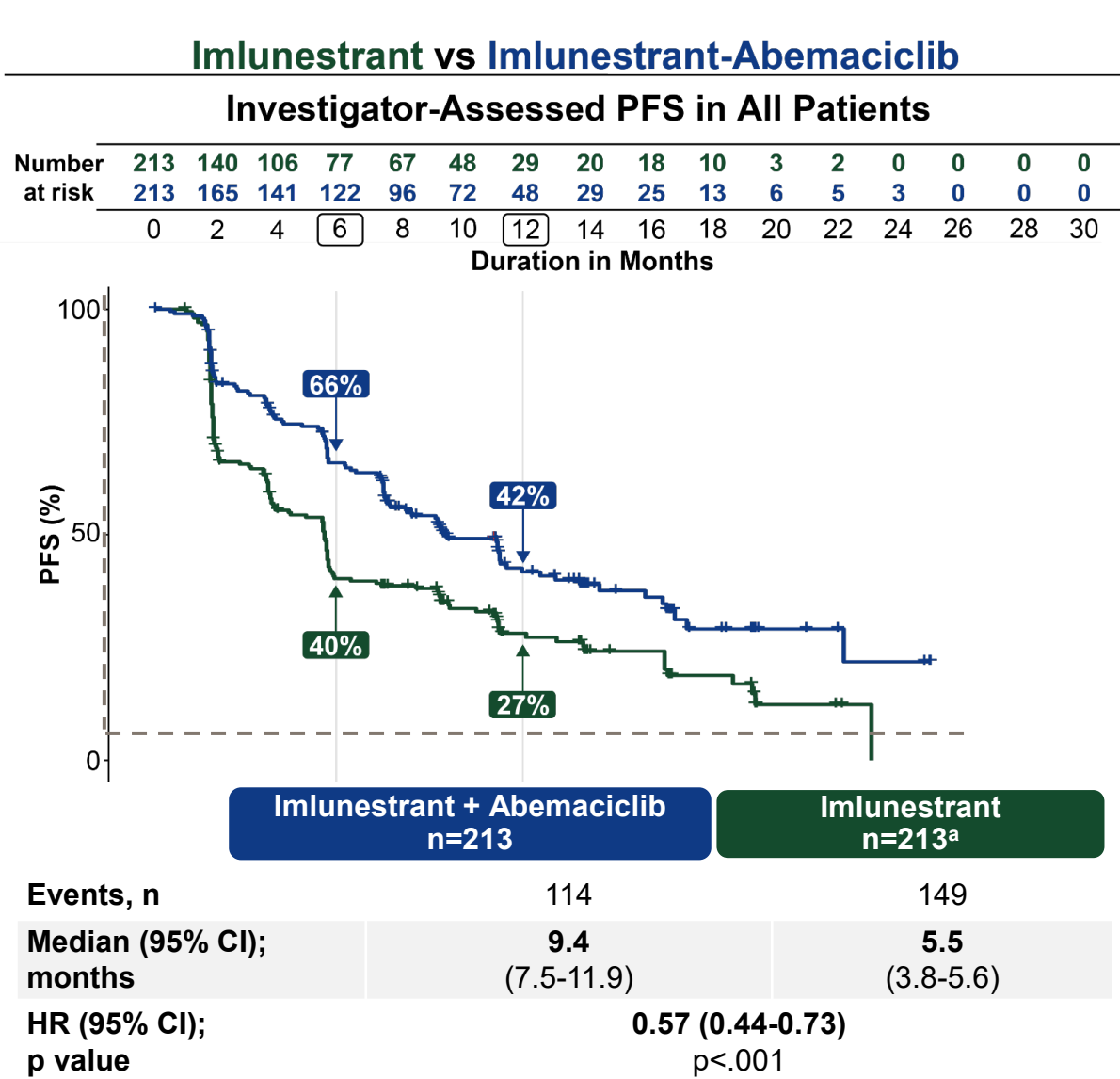
Results: Primary Endpoints



- Statistical significance was met
- Imlunestrant led to a **38%** reduction in the risk of progression or death



- Statistical significance was not reached in all patients
- The majority subgroup of patients without *ESR1m* showed no difference in PFS



- Statistical significance was met
- Imlunestrant + abemaciclib led to a **43%** reduction in the risk of progression or death

<sup>g</sup>Efficacy analyses confined to the imlunestrant population (n=213) concurrently randomized with the imlunestrant + abemaciclib treatment arm.

Safety and Tolerability

	Imlunestrant n=327		SOC ET n=324	
Parameters – number (%)	Any Grade	Grade ≥3	Any Grade	Grade ≥3
Patients with ≥1 TEAE	83	17	84	21
Top 3 Most Frequent TEAEs, %				
Fatigue <sup>a</sup>	23	<1	13	1
Diarrhea	21	<1	12	0
Nausea	17	<1	13	0
Dose reductions due to AE, %	2	0	1	0
Discontinuations due to AE, %	4	1	1	0
Deaths due to AE on study, %	2	1	1	0
Injection Site TEAE, n/N(%) <sup>b</sup>	N/A		27/292 (9%)	
Reaction <sup>a</sup> PRO-CTCAE, n/N (%) <sup>c</sup>	N/A		201/279 (72%)	

Generally favorable safety profile

<sup>a</sup>Consolidated term. <sup>b</sup>N=Evaluable patients received fulvestrant. <sup>c</sup>N=Evaluable patients completed patient-reported outcome survey (yes/no to injection site pain, swelling, or redness). <sup>d</sup>Dose reduction of imlunestrant alone: 2%; abemaciclib alone: 23%; both drugs: 14%.

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

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