

OPERA-01: A randomized, open-label, phase 3 study of palazestrant (OP-1250) vs. standard-of-care treatment for ER+/HER2- advanced or metastatic breast cancer after endocrine and CDK4/6 inhibitor therapy



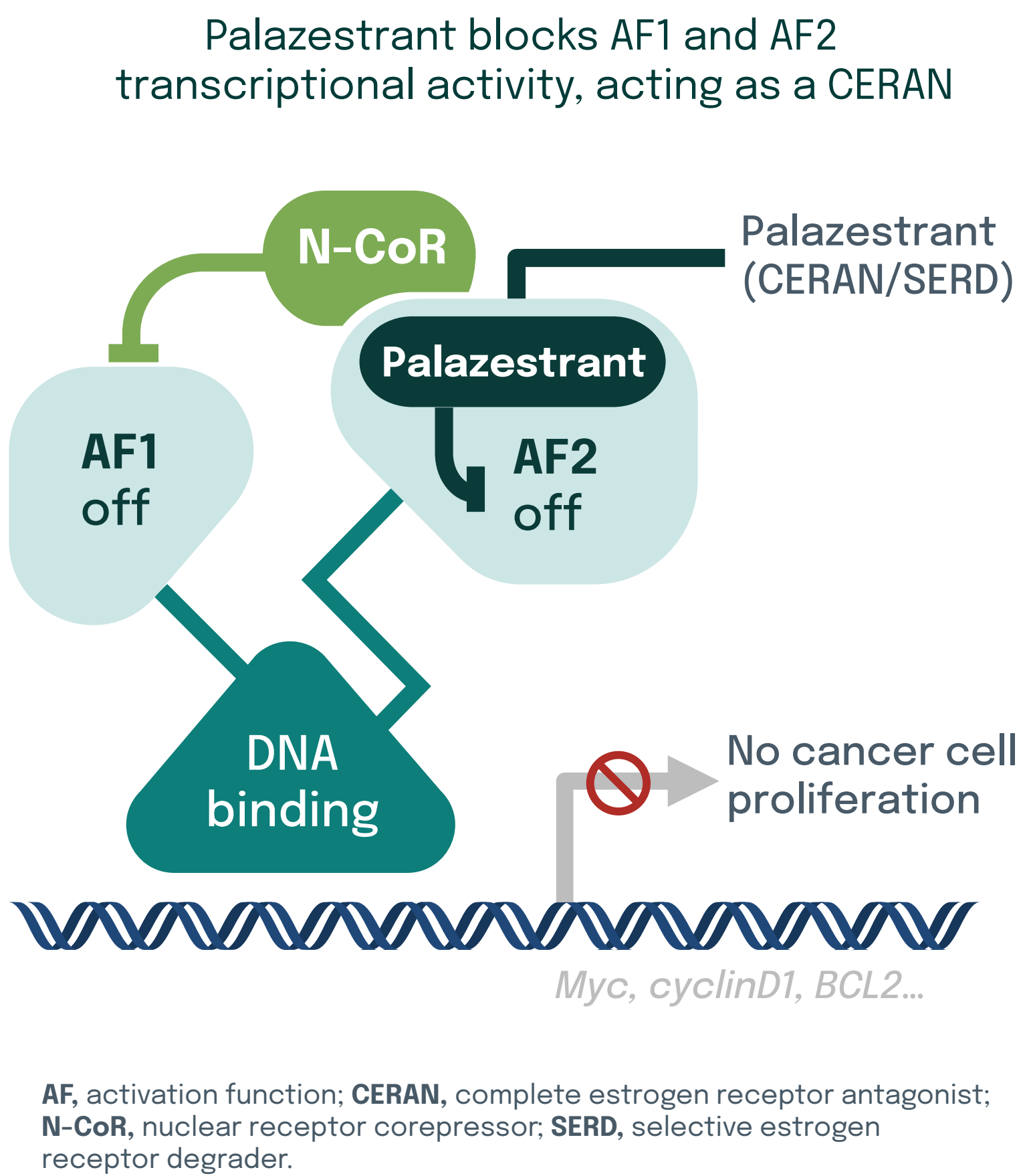
Barbara Pistilli, MD¹; Meritxell Bellet Ezquerro, MD, PhD²; Lucia Del Mastro, MD³; Heather McArthur, MD, MPH⁴; Jane Meisel, MD⁵; Peter Schmid, MD, PhD⁶; Joohyuk Sohn, MD, PhD⁷; Elisabeth de Kermadec, MD, MPH⁸; Rachel Wei, PhD⁸, Arlene Chan, MBBS, FRACP, MMED⁹

¹Gustave Roussy, Villejuif, France; ²Vall d'Hebron University Hospital, Vall d'Hebron Institute of Oncology, Barcelona, Spain; ³IRCCS Ospedale Policlinico San Martino, University of Genova, Genova, Italy; ⁴University of Texas Southwestern, Dallas, TX, USA; ⁵Winship Cancer Institute, Atlanta, GA, USA; ⁶Barts Cancer Institute, London, United Kingdom; ⁷Yonsei Cancer Center, Seoul, Republic of Korea; ⁸Olema Oncology, San Francisco, CA, USA; ⁹Breast Cancer Research Centre-WA, Curtin University, Breast Clinical Trials Unit, Hollywood Private Hospital, Nedlands, WA, Australia.

BACKGROUND

- In estrogen receptor-positive (ER+), human epidermal growth factor receptor 2-negative (HER2-), metastatic breast cancer (mBC), adding a cyclin-dependent kinase 4/6 inhibitor (CDK4/6i) to endocrine therapy (ET) has improved outcomes and is the current standard-of-care (SOC) treatment in the first-line setting.¹
- ET resistance to first-line treatment develops in most patients, which is often attributed to activating mutations in *ESR1*.² Limited options exist for treatment after progression on prior ET and CDK4/6i, and most patients will transition to chemotherapy.
- Palazestrant (OP-1250) is a small molecule oral complete ER antagonist (CERAN) and selective ER degrader (SERD) that binds to the ligand-binding domain of ER and completely blocks ER-driven transcriptional activity in both wild-type (*ESR1*-wt) and mutant (*ESR1*-mut) forms of ER.³ (Figure 1)
- In preclinical studies, palazestrant demonstrated better tumor shrinkage in *ESR1*-wt and *ESR1*-mut models when compared to fulvestrant; it also showed efficacy in brain metastasis models.³

Figure 1: Mechanism of Action of Palazestrant (OP-1250)³



- In early-phase trials, palazestrant was well tolerated, with favorable pharmacokinetics supporting once-daily dosing; it also showed antitumor activity and combinability with palbociclib⁴ and ribociclib.⁵
- In a phase 2 monotherapy study in patients with heavily pretreated ER+/HER2- advanced BC, median progression-free survival (PFS) was 4.6 months for all patients and 5.6 months for *ESR1*-mut patients; the clinical benefit rate (CBR) was 40% and 52%, respectively.⁶
 - In patients who received palazestrant as second- or third-line treatment, with or without prior chemotherapy, median PFS was 7.2 months for all patients and 7.3 months for *ESR1*-mut patients,⁶ which compares favorably to available treatment options in this patient population.^{4,*}

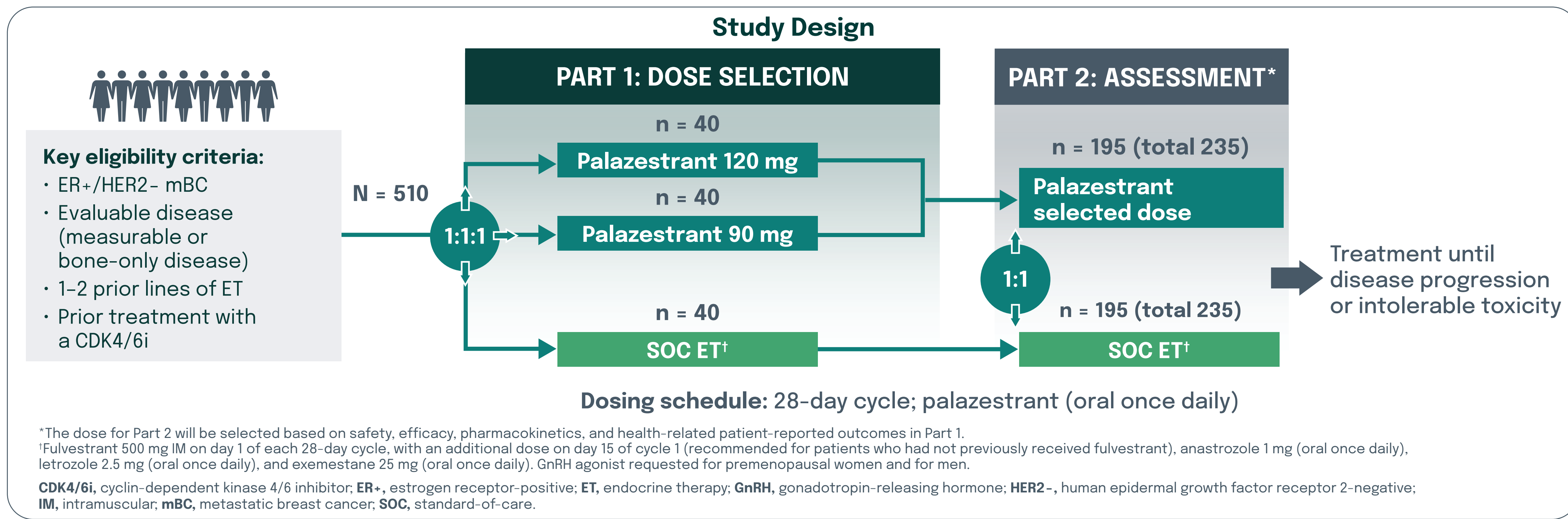
*This incorporates publicly available data that have not been independently verified and does not constitute a head-to-head comparison between palazestrant and any other available or investigational SERD.

OPERA-01: STUDY DESIGN & ELIGIBILITY

OPERA-01 is an international, multicenter, randomized, open-label, active-controlled, phase 3 study (NCT06016738).

- The study will compare the safety and efficacy of palazestrant to the standard-of-care options of fulvestrant or an aromatase inhibitor (letrozole, anastrozole, or exemestane) in women and men with mBC whose disease has advanced on ET in combination with a CDK4/6i.
- The study consists of two parts: a three-arm dose selection part (part 1), followed by assessment of the selected dose of palazestrant versus standard of care (part 2).

OPERA-01 TRIAL SCHEMA



Key eligibility criteria

Inclusion Criteria:

- Adult female or male patients
- ER+/HER2- locally-advanced or metastatic BC that is not amenable to curative therapy
- Evaluable disease (measurable per RECIST v1.1 or bone only)
- Previously received and progressed on a CDK4/6i in combination with ET in the advanced setting
 - duration of the most recent prior ET must be at least 6 months
 - one additional line of ET will be allowed
- Eastern Cooperative Oncology Group Performance Status of 0 or 1
- Adequate hematologic, hepatic, and renal functions
- Female patients can be pre-, peri-, or postmenopausal
- Male and pre- or perimenopausal female patients must be willing to take a GnRH (luteinizing hormone-releasing hormone) agonist

Exclusion Criteria:

- Symptomatic visceral disease, imminent organ failure, or any disease burden that makes the patient ineligible for endocrine monotherapy
- Received prior chemotherapy in the advanced/metastatic setting
- Any contraindications to the selected SOC ET in the local prescribing information
- Symptomatic central nervous system (CNS) metastases, carcinomatous meningitis, leptomeningeal disease, or a spinal cord compression that requires immediate CNS-directed treatment
- Clinically significant comorbidities, such as significant cardiac or cerebrovascular disease, or gastrointestinal disorders that could affect absorption of study treatment, and others
- Have received a prior elacestrant or experimental SERD

ENDPOINTS

Primary endpoints

- PFS, as assessed by BIRC, in the *ESR1*-mut population
- PFS, as assessed by BIRC, in the *ESR1*-mut-nd population

Key secondary endpoints

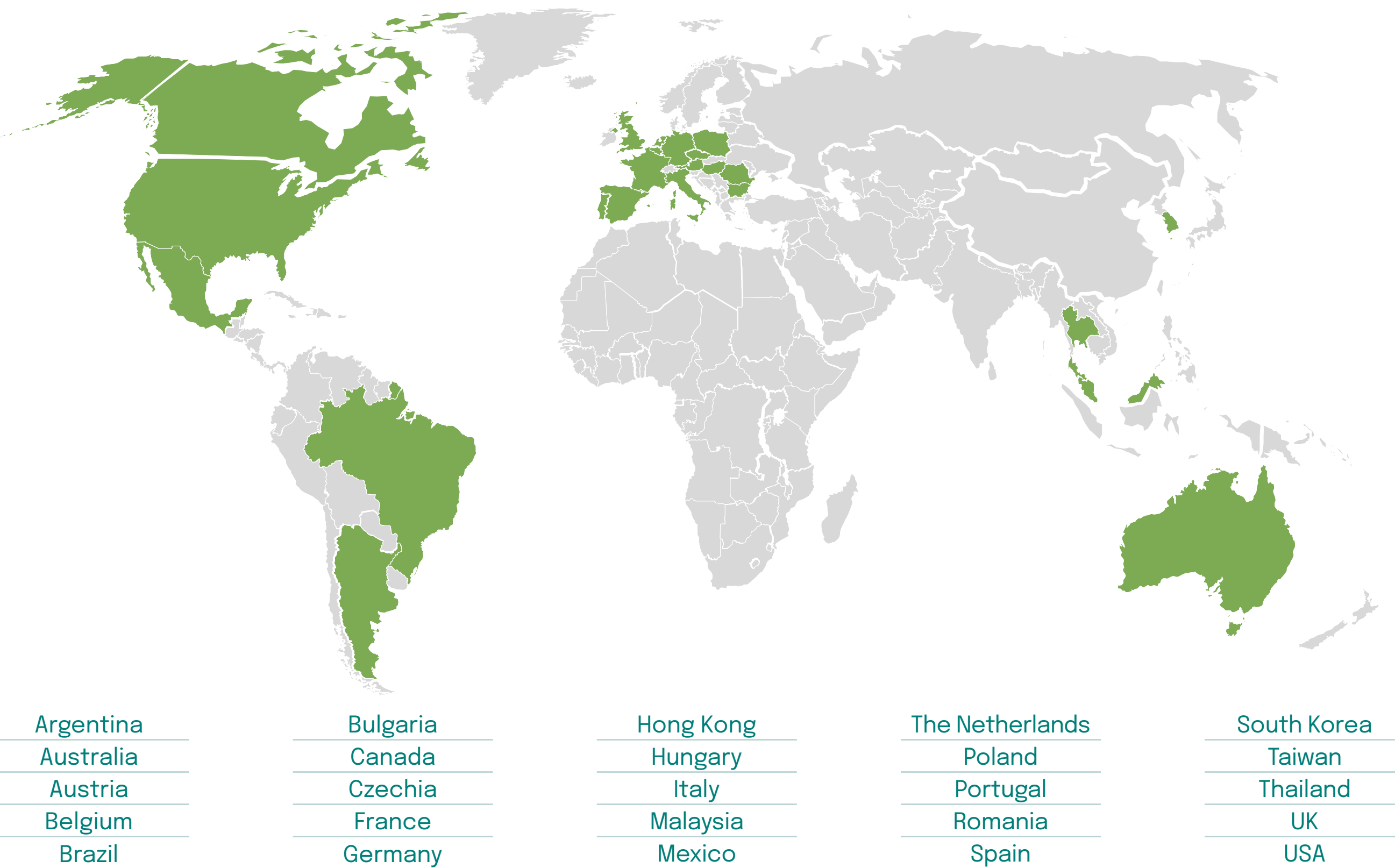
- OS in the *ESR1*-mut population
- OS in the *ESR1*-mut-nd population

Other secondary endpoints

- PFS (per local investigator) for *ESR1*-mut, *ESR1*-mut-nd, and all patients
- ORR, CBR, and DOR (per BIRC and local investigator) in *ESR1*-mut, *ESR1*-mut-nd, and all patients
- Safety and tolerability
- Pharmacokinetics
- Patient-reported outcomes

BIRC, blinded independent review committee; CBR, clinical benefit rate; DOR, duration of response; *ESR1*, estrogen receptor 1; *ESR1*-mut, *ESR1* mutation; *ESR1*-mut-nd, *ESR1* mutation not detected; ORR, objective response rate; OS, overall survival; PFS, progression-free survival.

GEOGRAPHIC FOOTPRINT OF OPERA-01



Enrollment began in November 2023.

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Disclosures

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Contact

For more information about the OPERA-01 trial, please visit the clinicaltrials.gov website or email OPERA-01@olema.com

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