

Evolving Landscape in HR+/HER2- Metastatic Breast Cancer

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Disclosures

- Spouse, Stock: EQRX; Grail, Array BioPharma and Pfizer (Prior Employee)
- Advisory/Consulting: Genentech/Roche, Immunomedics, Seattle Genetics, Oncosec, 4D pharma, Daicchi Saknyo, Puma Biotechnology, Mersna, Menarini Silicon Biosystems, Myovant Sciences, Takeda

What do we do after progression on CDK 4/6i?

- **Performance of endocrine monotherapy therapy post cdk 4/6 is poor; role for novel endocrine agents?**
- **Is there a role for continuation of cdk 4/6 inhibition beyond progression?**
- **Tackle endocrine resistance**

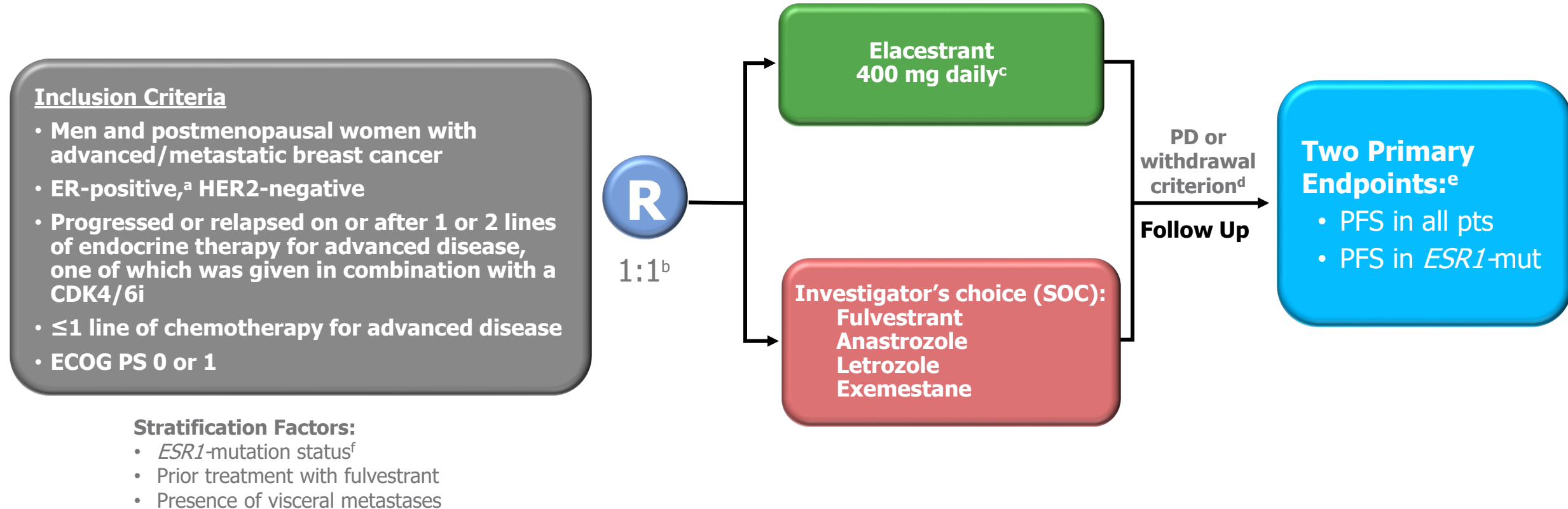
Oral SERD Trial Landscape in Pretreated mBC

| | EMERALD ¹ | SERENA-2 ² | EMBER-3 ³ | AMEERA-3 ⁴⁻⁶ | acelERA ⁶⁻⁹ |
|--|----------------------------------|-------------------------------|---|---|---|
| Treatment | Elacestrant | Camizestrant | Imlunestrant +/- abemaciclib | Amcenestrant | Giredestrant |
| Control Arm | fulvestrant / AIs | fulvestrant | fulvestrant / exemestane | fulvestrant / AIs / tamoxifen | fulvestrant / AIs |
| Phase (n) | Phase 3 (478) | Phase 2 (240) | Phase 3 (800) | Phase 2 (367) | Phase 2 (303) |
| Patients | Men or postmenopausal women | Postmenopausal women | Men or postmenopausal women | Men or women (any menopausal status) | Men or women (any menopausal status) |
| Prior CDK4/6i | Required (100%) | Permitted | Permitted | Permitted (79.7%) | Permitted (42%) |
| Allowed Prior Fulvestrant | YES | NO | NO | YES | YES |
| Allowed Prior Chemotherapy in mBC | YES | YES | NO | YES | YES |
| Data readout | Positive (Registrational) | Positive (Non-Registrational) | Ongoing | Negative | Negative |

1. Bidard FC, et al. *J Clin Oncol.* 2022;40(28):3246-3256. 2. SERENA2. ClinicalTrials.gov identifier: NCT04214288. Accessed November 18, 2022. <https://clinicaltrials.gov/ct2/show/NCT04214288>; 3. EMBER-3. Clinical Trials.gov identifier: NCT04975308. Accessed November 18, 2022. <https://clinicaltrials.gov/ct2/show/NCT04975308>; 4. AMEERA3. ClinicalTrials.gov identifier: NCT04059484. Accessed November 18, 2022. <https://clinicaltrials.gov/ct2/show/NCT04059484>; 5. Tolaney SM, et al. *Ann Oncol.* 2022; 33(7):S88-S121 (Abstr 212MO); 6. Evaluate Vantage. <https://www.evaluate.com/vantage/articles/news/trial-results/roche-has-rare-breast-cancer-setback>. Accessed July 20, 2022; 7. acelERA ClinicalTrials.gov identifier: NCT04576455. Accessed November 18, 2022. <https://clinicaltrials.gov/ct2/show/NCT04576455>; 8. Martin M, et al. *J Clin Oncol.* 2021;39(15):abstr TPS1100; 9. Martin Jimenez M, et al. *Ann Oncol.* 2022;33(7):S88-S121 (abstr 211MO).

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EMERALD Phase 3 Study Design



^aDocumentation of ER+ tumor with ≥ 1% staining by immunohistochemistry; ^bRecruitment from February 2019 to October 2020; ^cProtocol-defined dose reductions permitted; ^dRestaging CT scans every 8 weeks;

^eBlinded Independent Central Review; ^f*ESR1*-mutation status was determined by ctDNA analysis using the Guardant360 assay (Guardant Health, Redwood City, CA).

PFS, progression-free survival; Pts, patients; R, randomized; SOC, standard of care.

Baseline Characteristics

| | Elacestrant | | SOC | |
|---|------------------|-----------------------------|------------------|-----------------------------|
| Parameter | All (N=239) | <i>ESR1</i> -mut (N=115) | All (N=239) | <i>ESR1</i> -mut (N=113) |
| Median age, years (range) | 63.0 (24-89) | 64.0 (28-89) | 63.0 (32-83) | 63.0 (32-83) |
| Gender, n (%) | | | | |
| Female | 233 (97.5) | 115 (100) | 238 (99.6) | 113 (100) |
| Male | 6 (2.5) | 0 | 1 (0.4) | 0 |
| ECOG PS, n (%) | | | | |
| 0 | 143 (59.8) | 67 (58.3) | 135 (56.5) | 62 (54.9) |
| 1 | 96 (40.2) | 48 (41.7) | 103 (43.1) | 51 (45.1) |
| >1 | 0 | 0 | 1 (0.4) | 0 |
| Visceral metastasis*, n (%) | 163 (68.2) | 81 (70.4) | 170 (71.1) | 84 (74.3) |
| Prior CDK4/6i, n (%) | 239 (100) | 115 (100) | 239 (100) | 113 (100) |
| Number of prior lines of endocrine therapy,** n (%) | | | | |
| 1 | 129 (54.0) | 73 (63.5) | 142 (59.4) | 69 (61.1) |
| 2 | 110 (46.0) | 42 (36.5) | 97 (40.6) | 44 (38.9) |
| Type of prior endocrine therapy,** n (%) | | | | |
| Fulvestrant | 70 (29.3) | 27 (23.5) | 75 (31.4) | 28 (24.8) |
| AI | 193 (80.8) | 101 (87.8) | 194 (81.2) | 96 (85.0) |
| Tamoxifen | 19 (7.9) | 9 (7.8) | 15 (6.3) | 9 (8.0) |
| Number of prior lines of chemotherapy,** n (%) | | | | |
| 0 | 191 (79.9) | 89 (77.4) | 180 (75.3) | 81 (71.7) |
| 1 | 48 (20.1) | 26 (22.6) | 59 (24.7) | 32 (28.3) |

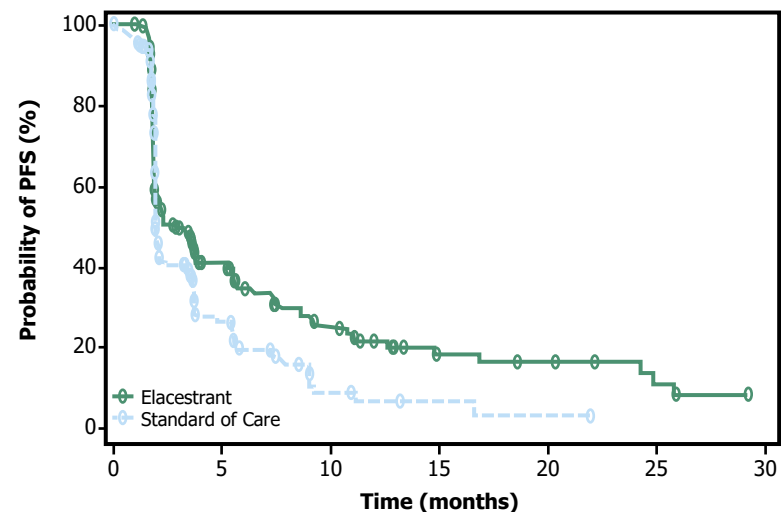
*Includes lung, liver, brain, pleural, and peritoneal involvement

**In the advanced/metastatic setting

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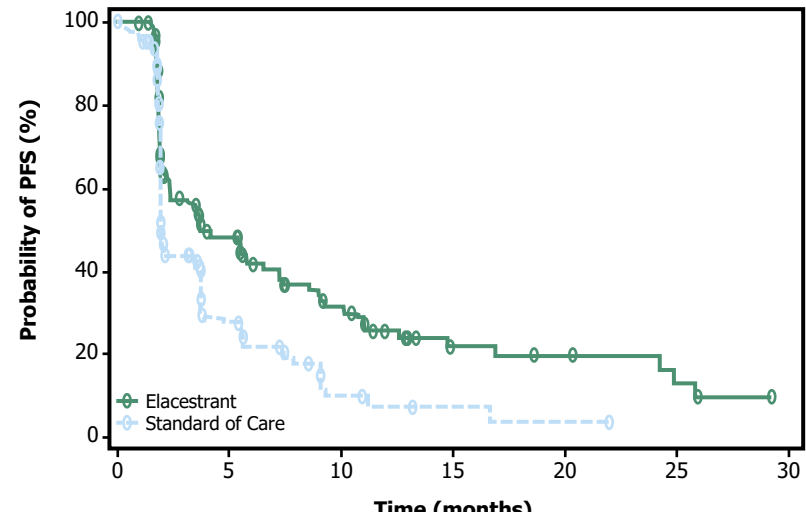
All Patients: PFS by Duration of CDK4/6i

At least 6 mo CDK4/6i



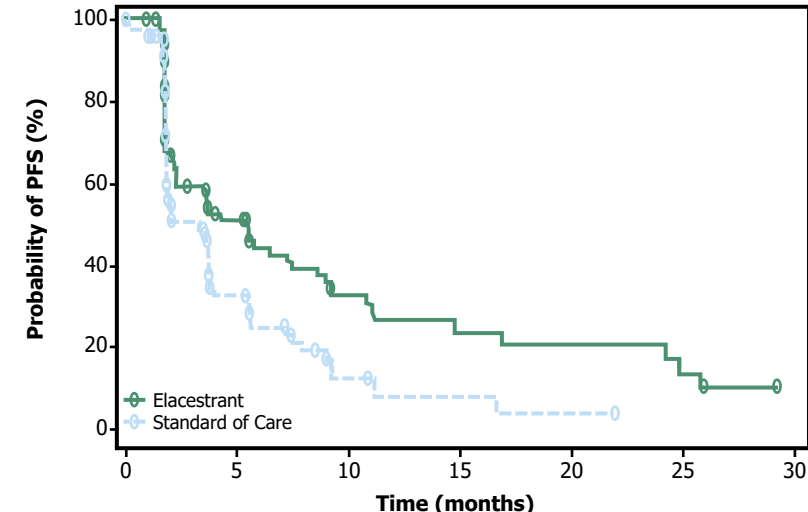
Elacestrant 202 90 53 37 29 24 16 12 10 9 8 7 6 1 1 0
SOC 205 71 32 20 13 6 3 2 2 1 1 0

At least 12 mo CDK4/6i



Elacestrant 150 76 48 35 28 23 15 11 9 8 7 6 6 1 1 0
SOC 160 55 26 18 13 6 3 2 2 1 1 0

At least 18 mo CDK4/6i



Elacestrant 98 51 35 26 23 18 11 10 8 7 7 6 6 1 1 0
SOC 119 47 22 15 10 5 2 2 2 1 1 0

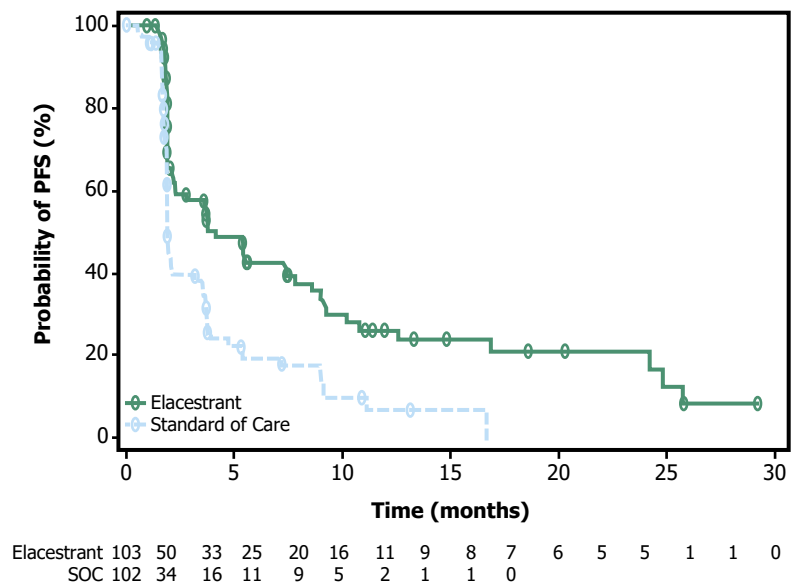
| | Elacestrant | SOC Hormonal Therapy |
|--------------------------------------|---------------------------------|------------------------------|
| Median PFS, months (95% CI) | 2.79 (1.94 - 3.78) | 1.91 (1.87 - 2.14) |
| PFS rate at 12 months, % (95% CI) | 21.00 (13.57 - 28.43) | 6.42 (0.75 - 12.09) |
| Hazard ratio (95% CI) | 0.688 (0.535 - 0.884) | |

| | Elacestrant | SOC Hormonal Therapy |
|--------------------------------------|---------------------------------|------------------------------|
| Median PFS, months (95% CI) | 3.78 (2.33 - 6.51) | 1.91 (1.87 - 3.58) |
| PFS rate at 12 months, % (95% CI) | 25.64 (16.49 - 34.80) | 7.38 (0.82 - 13.94) |
| Hazard ratio (95% CI) | 0.613 (0.453 - 0.828) | |

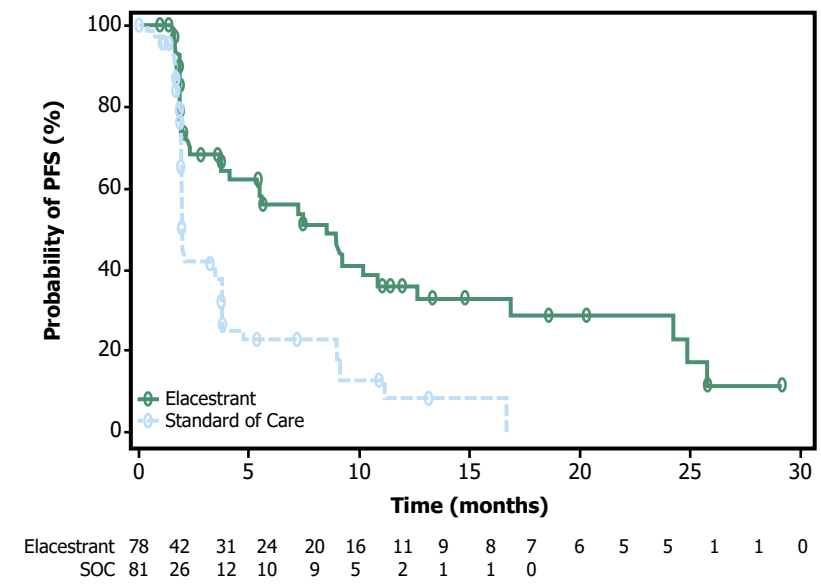
| | Elacestrant | SOC Hormonal Therapy |
|--------------------------------------|---------------------------------|------------------------------|
| Median PFS, months (95% CI) | 5.45 (2.33 - 8.61) | 3.29 (1.87 - 3.71) |
| PFS rate at 12 months, % (95% CI) | 26.70 (15.61 - 37.80) | 8.23 (0.00 - 17.07) |
| Hazard ratio (95% CI) | 0.703 (0.482 - 1.019) | |

Patients with *ESR1*-mut Tumors: PFS by Duration of CDK4/6i

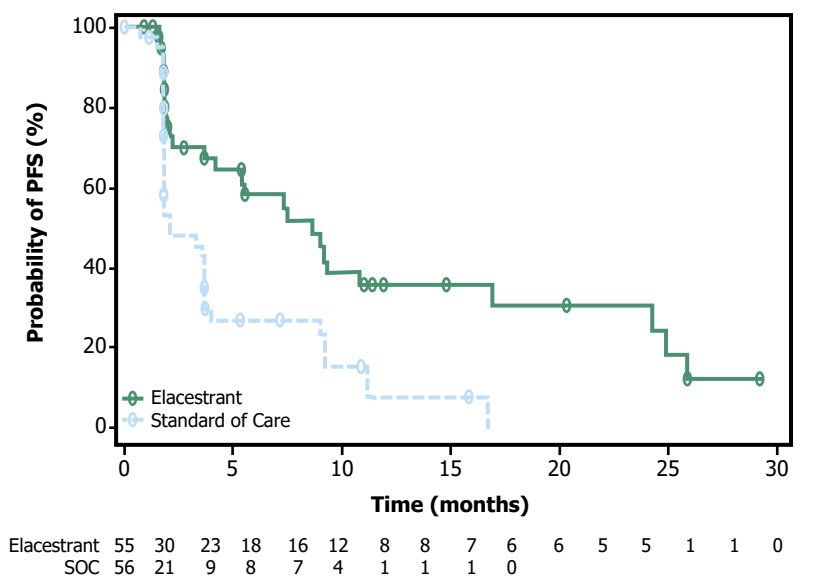
At least 6 mo CDK4/6i



At least 12 mo CDK4/6i



At least 18 mo CDK4/6i



| | Elacestrant | SOC Hormonal Therapy |
|--------------------------------------|---------------------------------|------------------------------|
| Median PFS, months (95% CI) | 4.14 (2.20 - 7.79) | 1.87 (1.87 - 3.29) |
| PFS rate at 12 months, % (95% CI) | 26.02 (15.12 - 36.92) | 6.45 (0.00 - 13.65) |
| Hazard ratio (95% CI) | 0.517 (0.361 - 0.738) | |

| | Elacestrant | SOC Hormonal Therapy |
|--------------------------------------|---------------------------------|------------------------------|
| Median PFS, months (95% CI) | 8.61 (4.14 - 10.84) | 1.91 (1.87 - 3.68) |
| PFS rate at 12 months, % (95% CI) | 35.81 (21.84 - 49.78) | 8.39 (0.00 - 17.66) |
| Hazard ratio (95% CI) | 0.410 (0.262 - 0.634) | |

| | Elacestrant | SOC Hormonal Therapy |
|--------------------------------------|---------------------------------|------------------------------|
| Median PFS, months (95% CI) | 8.61 (5.45 - 16.89) | 2.10 (1.87 - 3.75) |
| PFS rate at 12 months, % (95% CI) | 35.79 (19.54 - 52.05) | 7.73 (0.00 - 20.20) |
| Hazard ratio (95% CI) | 0.466 (0.270 - 0.791) | |

RIGHT Choice study design

- Pre-/perimenopausal women
- HR+/ HER2– ABC (>10% ER+)
- No prior systemic therapy for ABC
- Measurable disease per RECIST 1.1
- Aggressive disease^a
 - Symptomatic visceral metastases
 - Rapid disease progression or impending visceral compromise
 - Markedly symptomatic non-visceral disease
- ECOG PS ≤ 2^b
- Total bilirubin ≤ 1.5 ULN
- N = 222^c

R 1:1

Ribociclib
(600 mg, 3 weeks on/1 week off)
+
**Letrozole or anastrozole +
goserelin**

**Investigators' choice of
combination CT^e**

Docetaxel + capecitabine
Paclitaxel + gemcitabine
Capecitabine + vinorelbine

Tumor imaging evaluation
Q6W for 1st 12 weeks, Q8W for
next 32 weeks, then Q12W^f

Primary endpoint

- PFS (locally assessed per RECIST 1.1)

Secondary endpoints

- TTF
- 3-month TFR
- ORR
- CBR
- TTR
- OS
- Safety
- QOL

Exploratory endpoints

- Biomarker analyses
- Healthcare resource utilization

Stratified by (1) the presence or absence of liver metastases and by (2) DFI^d < or ≥2 years

ABC, advanced breast cancer; CBR, clinical benefit rate; CT, chemotherapy; DFI, disease-free interval; ECOG PS, Eastern Cooperative Oncology Group performance status; ER+, estrogen receptor positive; HER2–, human epidermal growth factor receptor 2 negative; HR+, hormone receptor positive; ORR, overall response rate; OS, overall survival; PFS, progression-free survival; Q6W, every 6 weeks; Q8W, every 8 weeks; Q12W, every 12 weeks; QOL, quality of life; RECIST, Response Evaluation Criteria In Solid Tumors; TFR, treatment failure rate; TTF, time to treatment failure; TTR, time to response; ULN, upper limit of normal.

^a Where combination CT is clinically indicated by physician's judgment; ^b For patients with ECOG 2, the poor performance status should be due to breast cancer; ^c Patients were enrolled from Feb 2019 to Nov 2021; ^d Disease-free interval is defined as the duration from date of complete tumor resection for primary breast cancer lesion to the date of documented disease recurrence; ^e If one of the combination CT drugs had to be stopped because of toxicity, the patient was allowed to continue on the other, better-tolerated CT drug (monotherapy); ^f Until disease progression, death, withdrawal of consent, loss to follow-up, or patient/guardian decision, and at end of treatment.

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Baseline characteristics were well balanced

| Parameter, n (%) | RIB + ET n = 112 | Combo CT n = 110 |
|---------------------------|---------------------|---------------------|
| Median age, years | 44.0 | 43.0 |
| ≥40 years | 80 (71.4) | 72 (65.5) |
| Race^a | | |
| Asian | 60 (53.6) | 58 (52.7) |
| White | 51 (45.5) | 52 (47.3) |
| Histological grade | | |
| Grade 1 | 10 (8.9) | 16 (14.5) |
| Grade 2 | 66 (58.9) | 61 (55.5) |
| Grade 3 | 35 (31.3) | 29 (26.4) |
| ≥50% ER+ | 95 (84.8) | 95 (86.4) |
| PR+ | 99 (88.4) | 102 (92.7) |

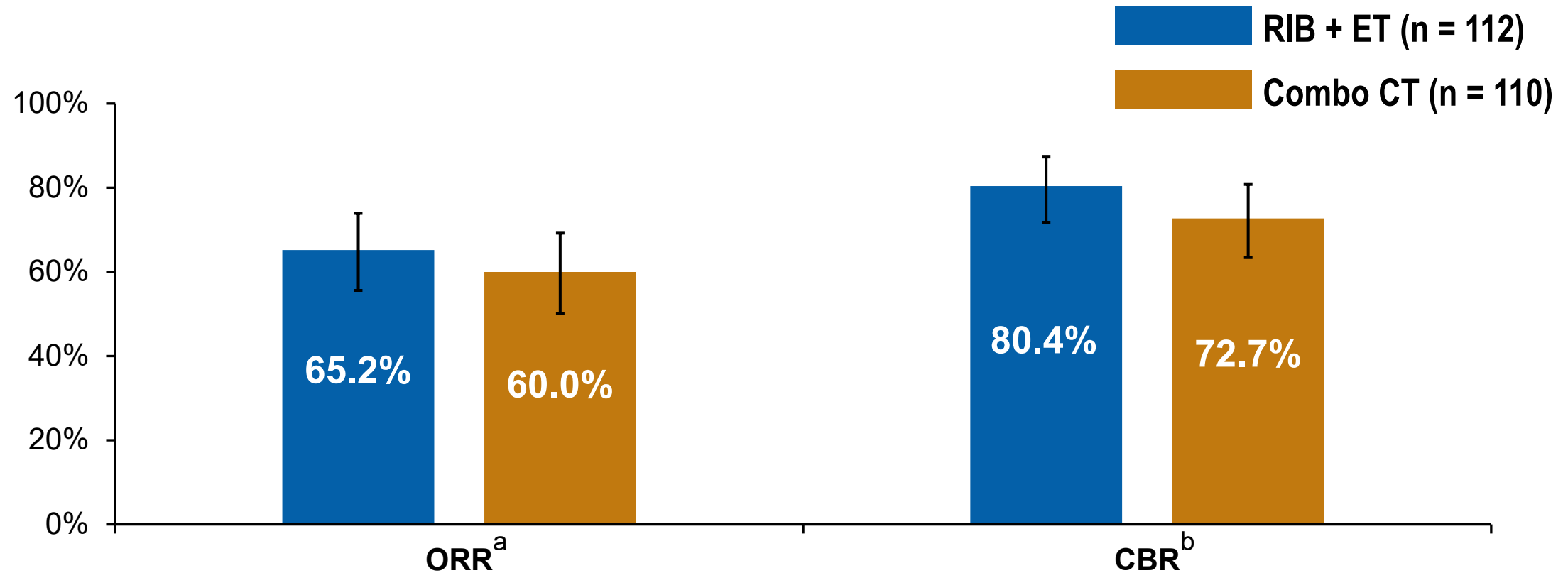
| Parameter, n (%) | RIB + ET n = 112 | Combo CT n = 110 |
|--|---------------------|---------------------|
| Disease status | | |
| De novo | 71 (63.4) | 73 (66.4) |
| Visceral metastatic sites^b | | |
| Liver | 56 (50.0) | 57 (51.8) |
| Lung | 63 (56.3) | 58 (52.7) |
| Liver or lung | 89 (79.5) | 85 (77.3) |
| Aggressive disease characteristic | | |
| Rapid progression | 23 (20.5) | 18 (16.4) |
| Symptomatic non-visceral disease | 15 (13.4) | 16 (14.5) |
| Symptomatic visceral metastases | 74 (66.1) | 76 (69.1) |
| Visceral crisis^c | 61 (54.5) | 55 (50.0) |

Combo CT, combination chemotherapy; ER+, estrogen receptor positive; ET, endocrine therapy; RIB, ribociclib.

^a One patient (0.9%) in the RIB arm was African American; ^b The same patient may have multiple visceral metastatic sites. ^c Based on PI's judgment, which followed ABC3 and NCCN guidelines, which were available at the time of study design.

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ORR and CBR were similar between RIB + ET and combination CT



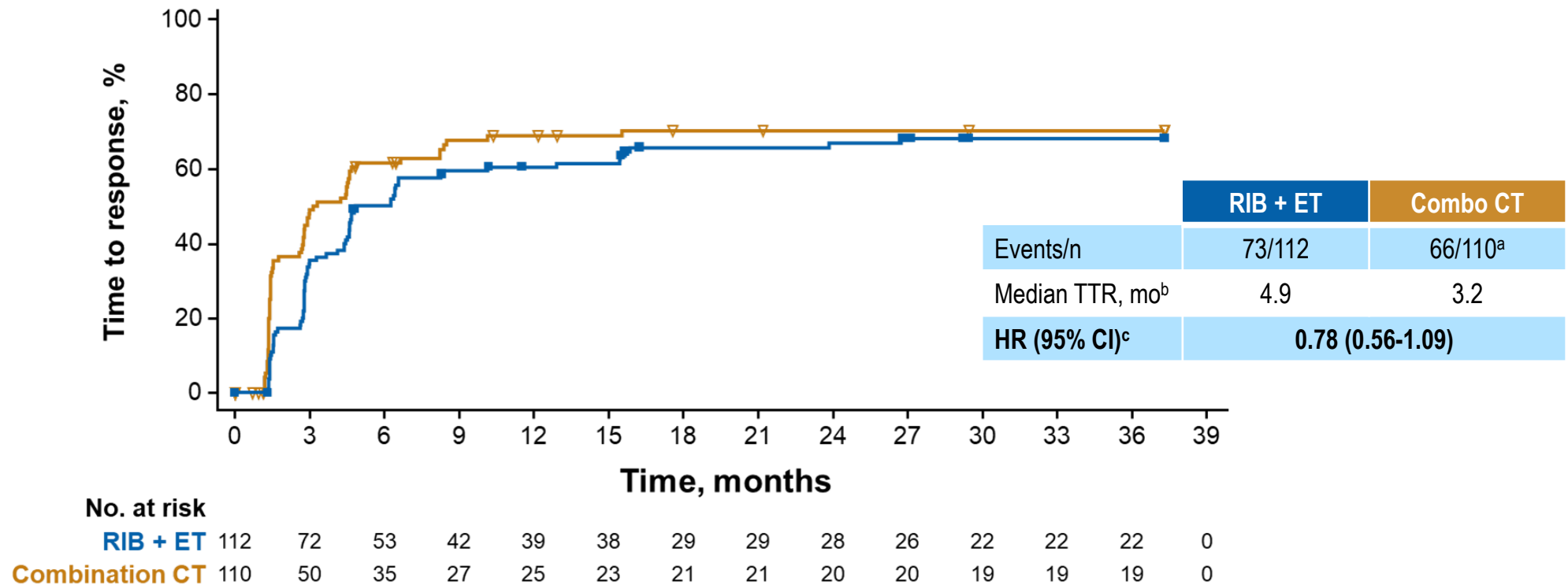
- A sensitivity analysis^c confirmed the ORR and CBR findings in the safety set

CBR, clinical benefit rate; Combo CT, combination chemotherapy; CR, complete response; ET, endocrine therapy; ORR, overall response rate; PD, progressive disease; PR, partial response, RIB, ribociclib; SD, stable disease.

^a Proportion of patients with CR or PR without confirmation (confirmation imaging was not mandatory according to study protocol); ^b Proportion of patients with CR or PR without confirmation or SD or non-CR/non-PD ≥ 24 weeks; ^c This analysis included all patients who received ≥ 1 dose of any component of the study treatment (safety set).

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Time to onset of response (TTR) for RIB + ET was similar to combination CT



- A sensitivity analysis^d confirmed the TTR findings in the safety set

Combo CT, combination chemotherapy; CR, complete response; ET, endocrine therapy; HR, hazard ratio; IRT, interactive response technology; PR, partial response; RIB, ribociclib.

^a Ten patients in CT arm did not receive any treatment; ^b TTR is defined as the time from the date of randomization to the first documented response of either CR or PR without confirmation (confirmation imaging was not required according to study protocol); ^c HR is obtained from Cox Proportional-Hazards model stratified by liver metastasis and disease-free interval per IRT; ^d The sensitivity analysis excluded the 10 patients in the CT arm who did not receive any treatment and were removed from the denominator for the CT arm.

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Changing CDK4/6i after CDK 4/6i – Pace Trial (Ph II)

Aim: (1) Role of maintaining CDK4/6i beyond progression, with change of ET to fulvestrant, (2) adding ICPI

Eligibility Criteria

- HR+/HER2- MBC
- Progression on CDK4/6i and ET, with ≥ 6 mo SD on prior regimen
- ≤ 2 prior lines ET for MBC
- No prior fulvestrant
- 0-1 prior chemo for MBC

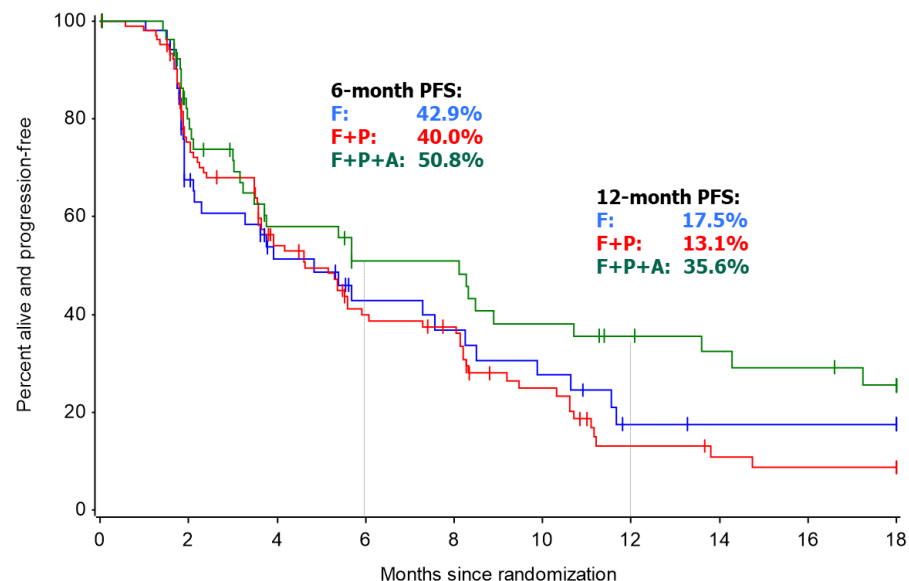
N=220

R
A
N
D
O
M
I
Z
E

Fulvestrant

Fulvestrant
Palbociclib

Fulvestrant
Palbociclib
Avelumab



Patient/tumour characteristics

80% postmenopausal
 60% visceral disease
 15% 1 prior chemo for MBC

Prior CDK4/6i therapy

Palbo 90%
 Prior CDK4/6i for >12m in 75%
 88% went straight from prior CDK4/6i to PACE

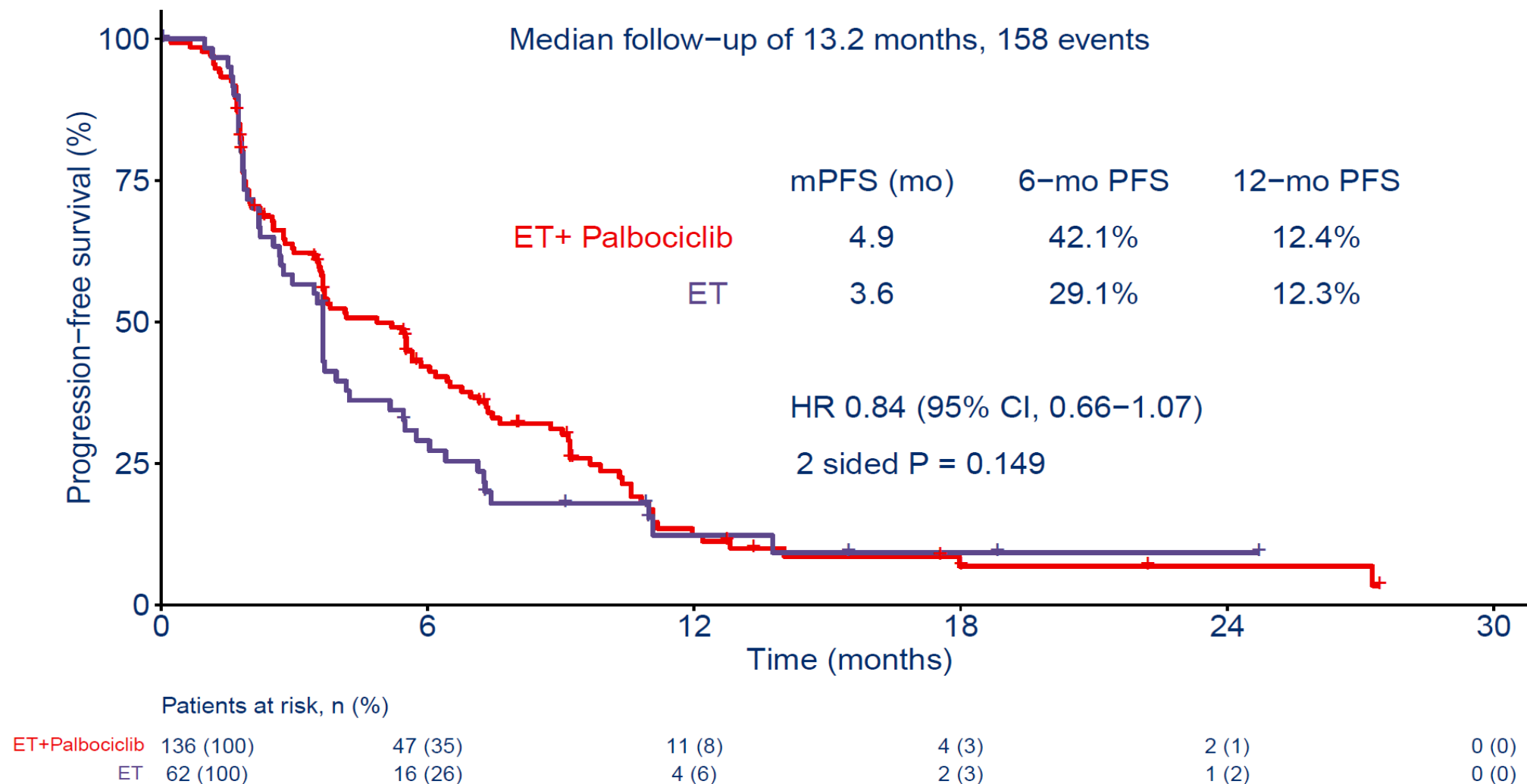
Guardant 360 ctDNA

54% *ESR1* alteration
 35% *PIK3CA* alteration
 11% *RB1* alteration

Combining palbociclib with fulvestrant beyond progression on prior CDK4/6i did not significantly improve PFS compared with using fulvestrant alone.

| | Pts | PFS Events | Median PFS, mo (90% CI) | HR vs F (90% CI) | P-value |
|--------------|-----|------------|---------------------------|---------------------|---------|
| F | 55 | 34 | 4.8 (2.1, 8.2) | -- | -- |
| F+P | 111 | 79 | 4.6 (3.6, 5.9) | 1.11 (0.74-1.66) | P=0.62 |
| F+P+A | 54 | 35 | 8.1 (3.2, 10.7) | 0.75 (0.47-1.20) | P=0.23 |

Primary Objective: Investigator-assessed PFS (ITT Population)



CI: Confidence interval; HR: Hazard ratio; ITT: Intention to treat; mo: Months; mPFS: Median progression-free survival; PFS: Progression-free survival.

Changing CDK4/6i And ET after CDK 4/6i - The MAINTAIN-trial (Ph II)

Key Entry Criteria

- Progression on ET + any CDK 4/6 inhibitor
- ER and/or PR $\geq 1\%$, HER2- MBC
- ≤ 1 line of chemo for MBC
- Measurable or non-measurable
- Postmeno or premeno and GnRHa

1:1

N=120

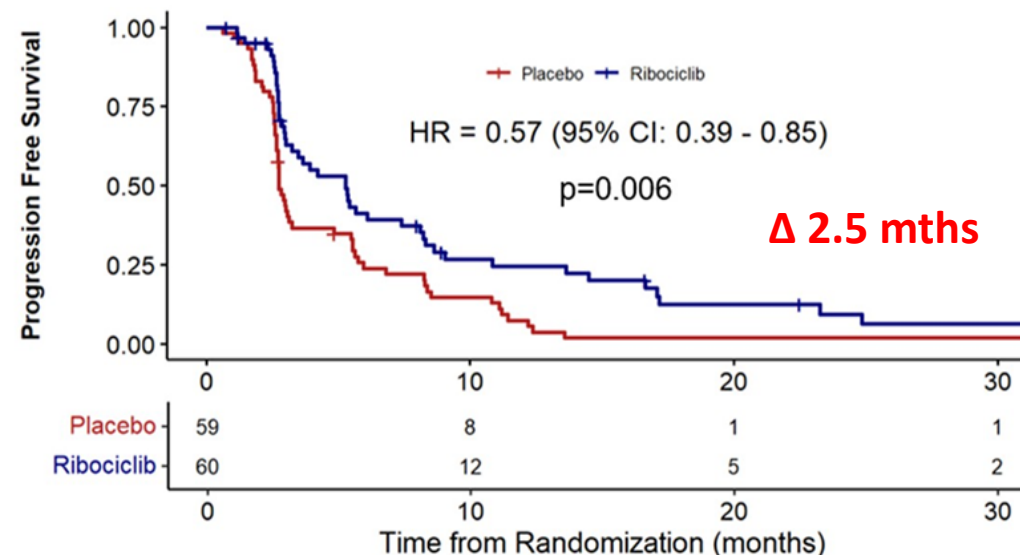
Arm 1
Ribociclib + Switch
Endo Tx

Arm 2
Placebo + Switch
Endo Tx

87% of the pts received prior palbociclib

83% of the pts switched to Fulvestrant

66% were treated prior with CDK 4/6i >12 mths

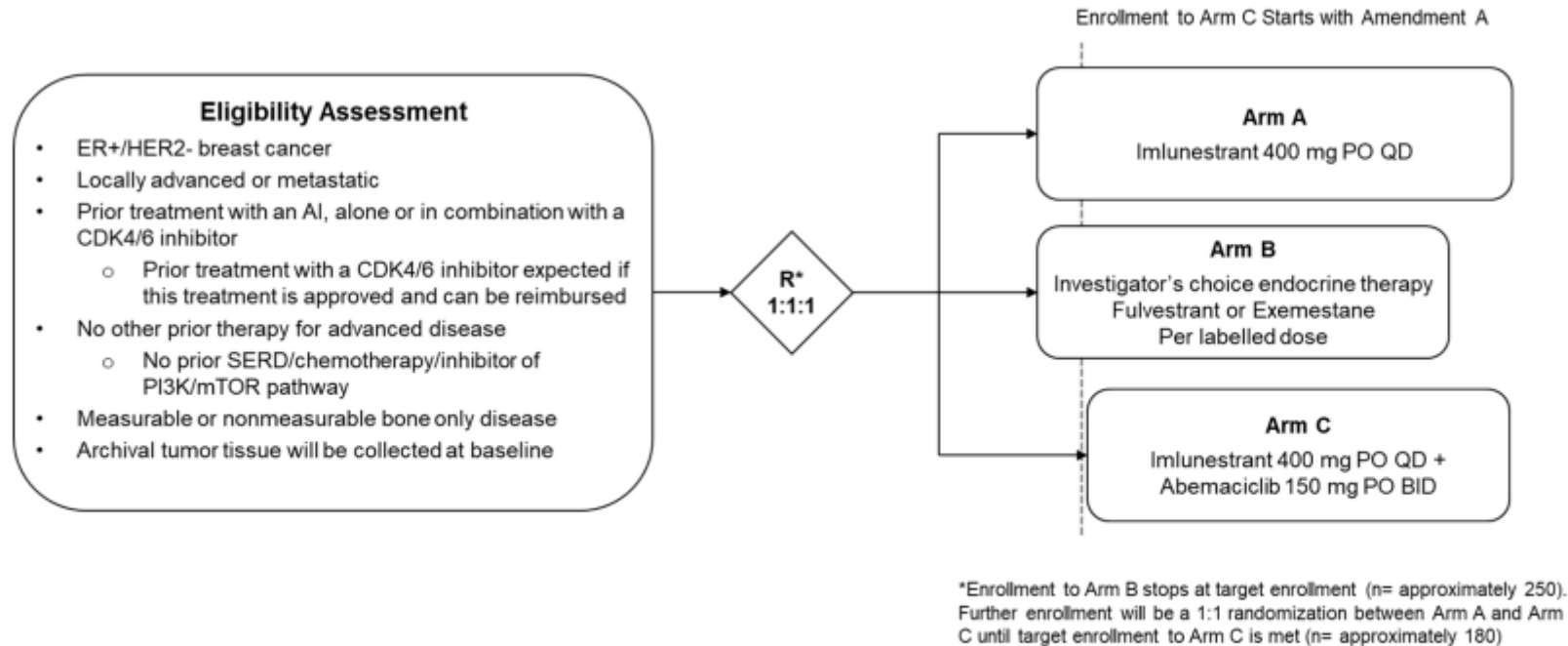


| | ET+ Placebo | ET+ Ribo |
|----------------------------|------------------|------------------|
| Median PFS months (95% CI) | 2.76 (2.66-3.25) | 5.29 (3.02-8.12) |
| PFS rate at 6 months | 23.9% | 41.2% |
| PFS rate at 12 months | 7.4% | 24.6% |

Ongoing Trials

Await data from larger randomized phase 3 trials postMONARCH: Fulvestrant + Abema vs Fulvestrant

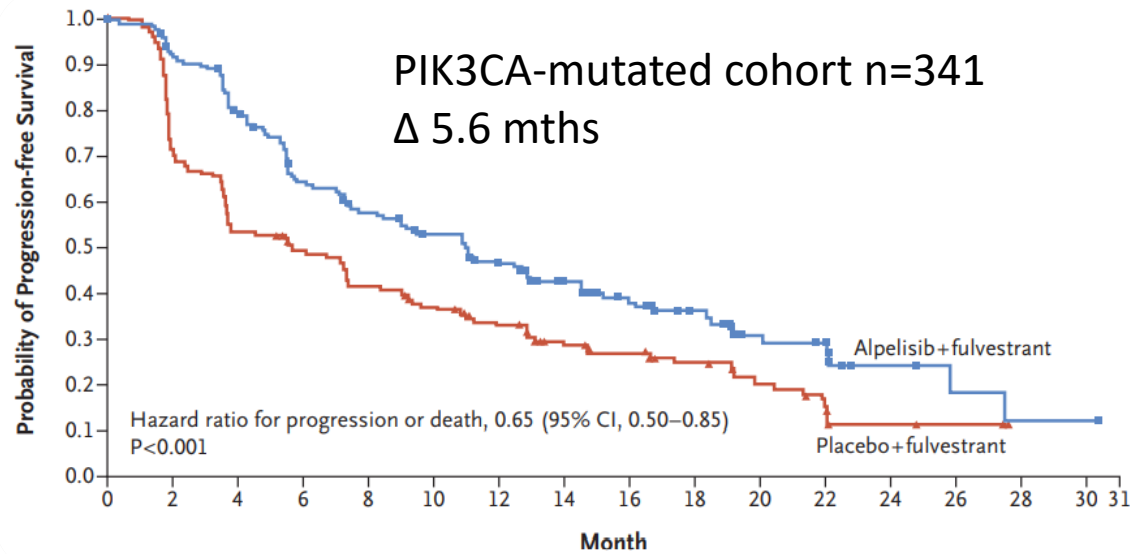
N= 860



Note: *ESR1* mutation status will be centrally determined in plasma by Guardant 360 ctDNA assay from a blood draw at baseline.

Option for patients with *PIK3CA* mutations: Ful + Alpelisib

SOLAR-1(PH III): Fulvestrant +/- Alpelisib (pts progressed on or after aromatase inhibitor)



- Numerical improvement in median OS of 7.9-month in the mutated cohort
- Discontinuation rate was 25% in FUL+ALP- arm versus 4% in the FUL-arm
- Most common side effects (Grade III): hyperglycemia (36%), rash (10%), diarrhea (7%)
- **6% had prior CDK 4/6i**

Median PFS

11.0 months (ALP+FUL) versus 5.7 months (FUL); HR 0.65; 95% CI, 0.50 to 0.85; p<0.001

BYLieve (PhII, single arm, cohort A):

ALP + FULV showed clinical benefit after CDK 4/6i treatment: 50.4% 6-months PFS rate (median 7.3 mo)

Phase 3 Capitello-291: Prior treatments

Patients with HR+/HER2– ABC

- Men and pre-/post-menopausal women
- Recurrence or progression while on or <12 months from end of adjuvant AI, or progression while on prior AI for ABC
- ≤2 lines of prior endocrine therapy for ABC
- ≤1 line of chemotherapy for ABC
- Prior CDK4/6 inhibitors allowed (at least 51% required)
- No prior SERD, mTOR inhibitor, PI3K inhibitor, or AKT inhibitor
- HbA1c <8.0% (63.9 mmol/mol) and diabetes not requiring insulin allowed
- FFPE tumor sample from the primary/recurrent cancer available for retrospective central molecular testing

R1:1
(N=708)

Capivasertib

400 mg twice daily,
4 days on, 3 days off

Fulvestrant

500 mg: cycle 1, days 1 &
15; then every 4 weeks

Stratification factors:

- Liver metastases (yes/no)
- Prior CDK4/6 inhibitor (yes/no)
- Region*

Placebo

Twice daily,
4 days on, 3 days off

Fulvestrant

500 mg: cycle 1, days 1 &
15; then every 4 weeks

Dual primary endpoints

PFS by investigator assessment

- Overall
- AKT pathway-altered tumors (≥1 qualifying *PIK3CA*, *AKT1*, or *PTEN* alteration)

Key secondary endpoints

Overall survival

- Overall
- AKT pathway-altered tumors

Objective response rate

- Overall
- AKT pathway-altered tumors

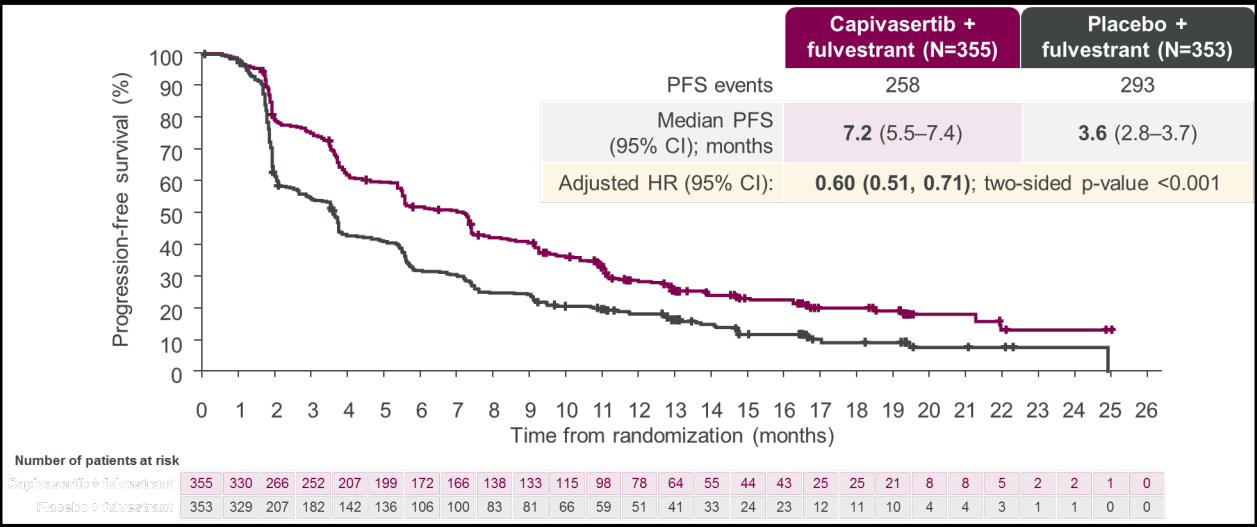
| Characteristic | | Overall population | | AKT pathway-altered population | |
|--|----------------------|------------------------------------|-------------------------------|------------------------------------|-------------------------------|
| | | Capivasertib + fulvestrant (N=355) | Placebo + fulvestrant (N=353) | Capivasertib + fulvestrant (N=155) | Placebo + fulvestrant (N=134) |
| Prior endocrine therapy for ABC; n (%) | 0 | 40 (11.3) | 54 (15.3) | 14 (9.0) | 20 (14.9) |
| | 1 | 286 (80.6) | 252 (71.4) | 130 (83.9) | 96 (71.6) |
| | 2 | 29 (8.2) | 47 (13.3) | 11 (7.1) | 18 (13.4) |
| Previous CDK4/6 inhibitor for ABC; n (%) | | 245 (69.0) | 244 (69.1) | 113 (72.9) | 91 (67.9) |
| Previous chemotherapy; n (%) | Adjuvant/neoadjuvant | 180 (50.7) | 170 (48.2) | 79 (51.0) | 67 (50.0) |
| | ABC | 65 (18.3) | 64 (18.1) | 30 (19.4) | 23 (17.2) |

Phase 3 Capitello-291: AKT pathway alterations

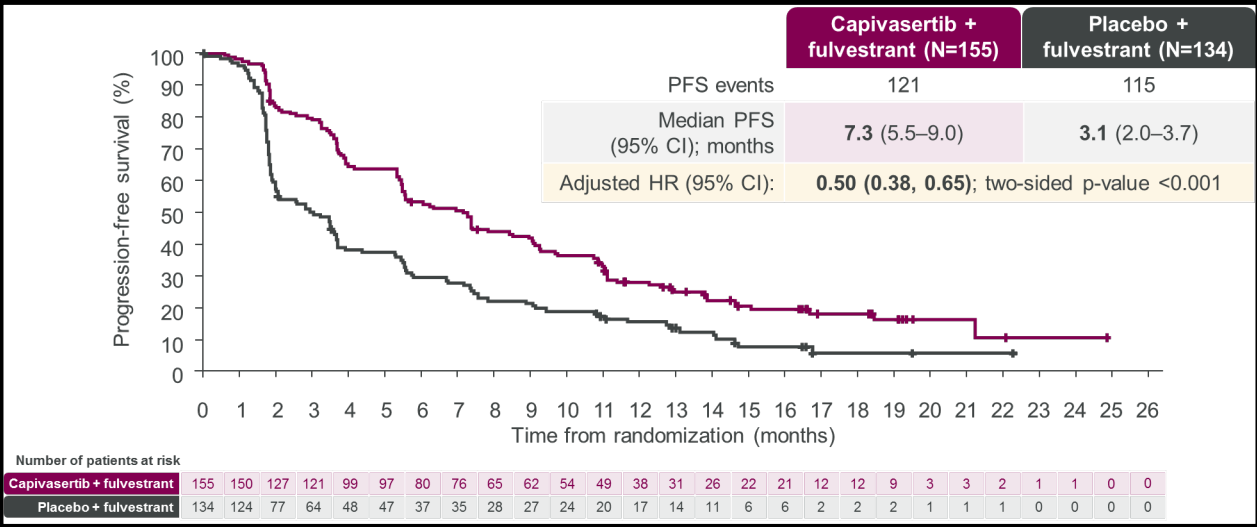
| Alteration; n (%) | | Capivasertib + fulvestrant (N=355) | Placebo + fulvestrant (N=353) |
|-------------------------------------|-----------------|------------------------------------|-------------------------------|
| Any AKT pathway alteration | | 155 (43.7) | 134 (38.0) |
| PIK3CA | Any | 116 (32.7) | 103 (29.2) |
| | PIK3CA only | 110 (31.0) | 92 (26.1) |
| | PIK3CA and AKT1 | 2 (0.6) | 2 (0.6) |
| | PIK3CA and PTEN | 4 (1.1) | 9 (2.5) |
| AKT1 only | | 18 (5.1) | 15 (4.2) |
| PTEN only | | 21 (5.9) | 16 (4.5) |
| Non-altered | | 200 (56.3) | 219 (62.0) |
| AKT pathway alteration not detected | | 142 (40.0) | 171 (48.4) |
| Unknown | | 58 (16.3) | 48 (13.6) |
| No sample available | | 10 (2.8) | 4 (1.1) |
| Preanalytical failure | | 39 (11.0) | 34 (9.6) |
| Post analytical failure | | 9 (2.5) | 10 (2.8) |

AKT pathway alteration status was determined centrally using next-generation sequencing in tumor tissue with the FoundationOne®CDx assay (and Burning Rock assay in China)

Phase 3 Capitello-291: Dual-primary endpoint: Investigator-assessed PFS in the overall population and AKT pathway-altered population



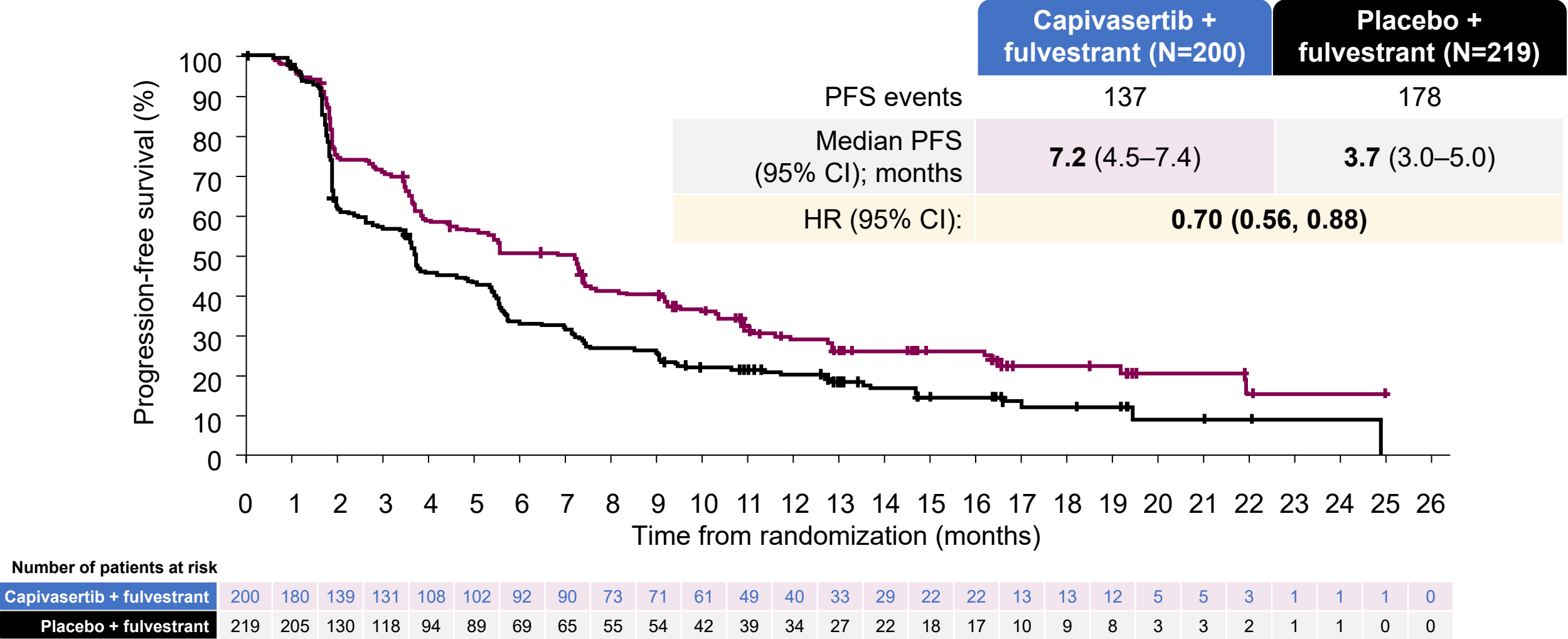
Overall population



AKT pathway-altered population

13% discontinuation, 20% dose reduction; most common AE: diarrhea , rash, nausea, fatigue
Diarrhea grade 3 : 9.3%
Rash grade 3 12%
Hyperglycemia grade 3 2.3%

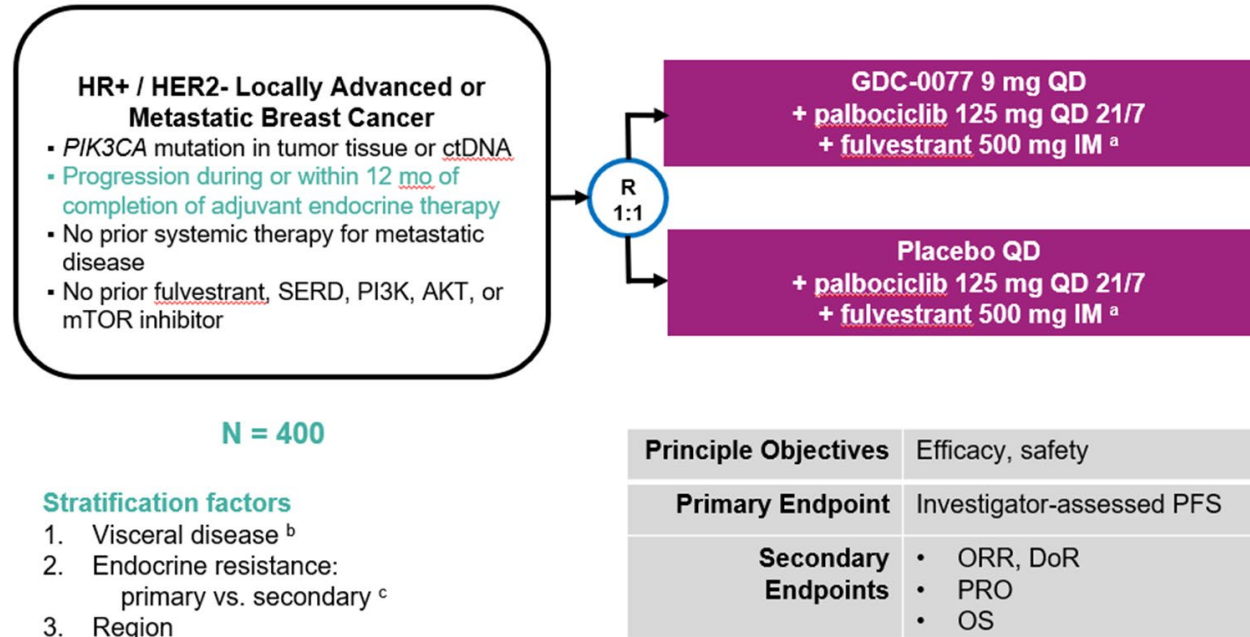
Phase 3 Capitello-291: Exploratory analysis: Investigator-assessed PFS in the non-altered population (including unknown[†])



+ indicates a censored observation. †Patients with no valid NGS results. HR was estimated using the Cox proportional hazard model stratified by the presence of liver metastases and prior use of CDK4/6 inhibitor.

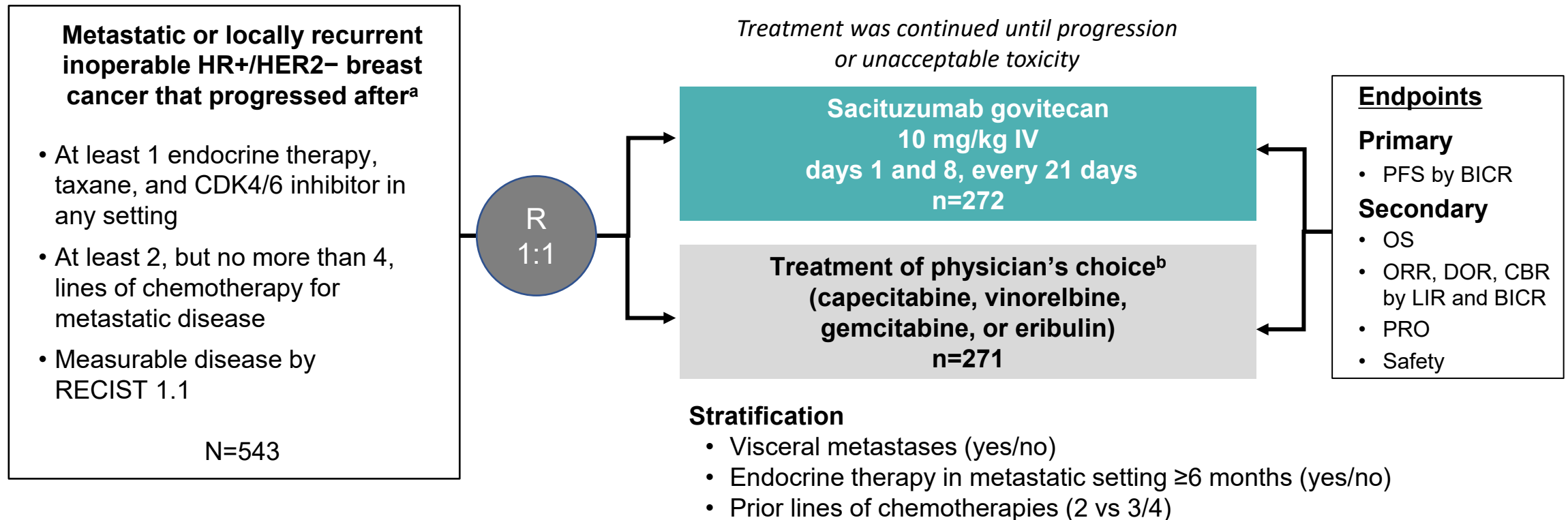
Triplet Strategies with CDK4/6i + PI3Ki/Akti + Fulvestrant ongoing in 1L

WO41554: Study Design Inavolisib: α PI3Ki



ClinicalTrials.gov Identifier: NCT04191499

TROPiCS-02: A Phase 3 Study of SG in HR+/HER2– Locally Recurrent Inoperable or Metastatic Breast Cancer



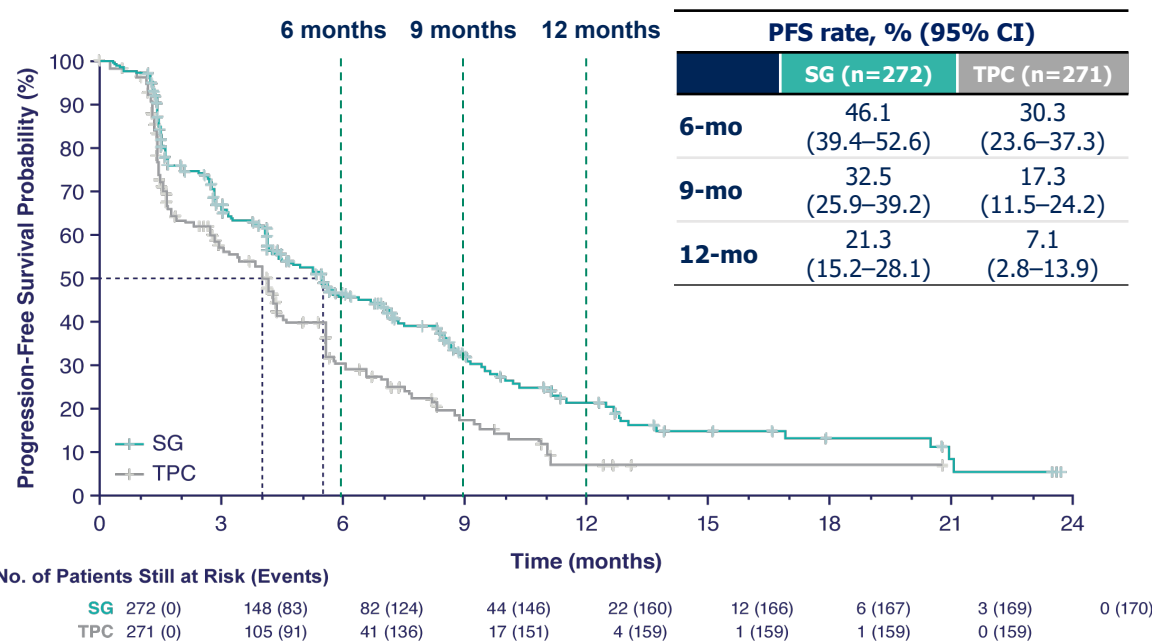
^aDisease histology based on ASCO/CAP criteria. ^bSingle-agent standard-of-care treatment of physician's choice was specified prior to randomization by the investigator.

ASCO/CAP, American Society of Clinical Oncology/College of American Pathologists; BICR, blinded independent central review; CBR, clinical benefit rate; CDK, cyclin-dependent kinase; DOR, duration of response; HER2–, human epidermal growth factor receptor 2-negative; HR+, hormonal receptor-positive; IV, intravenously; LIR, local investigator review; (neo)adjuvant, neoadjuvant or adjuvant; ORR, objective response rate; OS, overall survival; PFS, progression-free survival; PRO, patient-reported outcomes; R, randomized; RECIST, Response Evaluation Criteria in Solid Tumors.

PFS & OS in the ITT Population

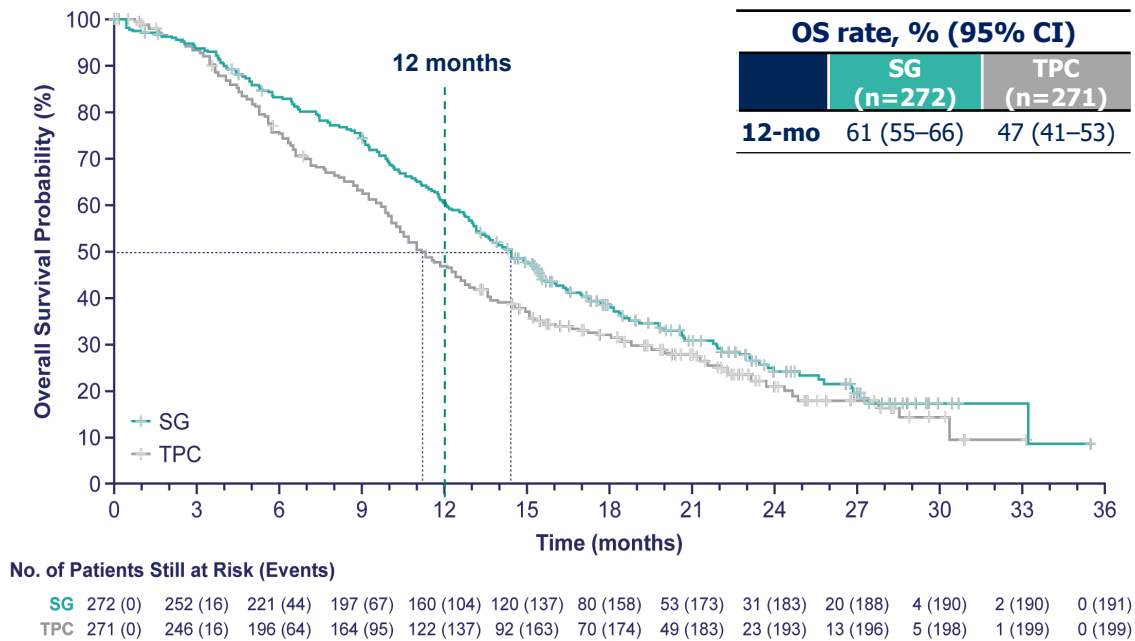
PFS¹

| BICR analysis | SG (n=272) | TPC (n=271) |
|-----------------------------|------------------|---------------|
| Median PFS, mo (95% CI) | 5.5 (4.2–7.0) | 4.0 (3.1–4.4) |
| Stratified HR (95% CI) | 0.66 (0.53–0.83) | |
| Stratified Log Rank P value | P=0.0003 | |



OS²

| | SG (n=272) | TPC (n=271) |
|-----------------------------|------------------|------------------|
| Median OS, mo (95% CI) | 14.4 (13.0–15.7) | 11.2 (10.1–12.7) |
| Stratified HR (95% CI) | 0.79 (0.65–0.96) | |
| Stratified Log Rank P value | P=0.020 | |



SG demonstrated a statistically significant improvement in PFS and OS vs TPC

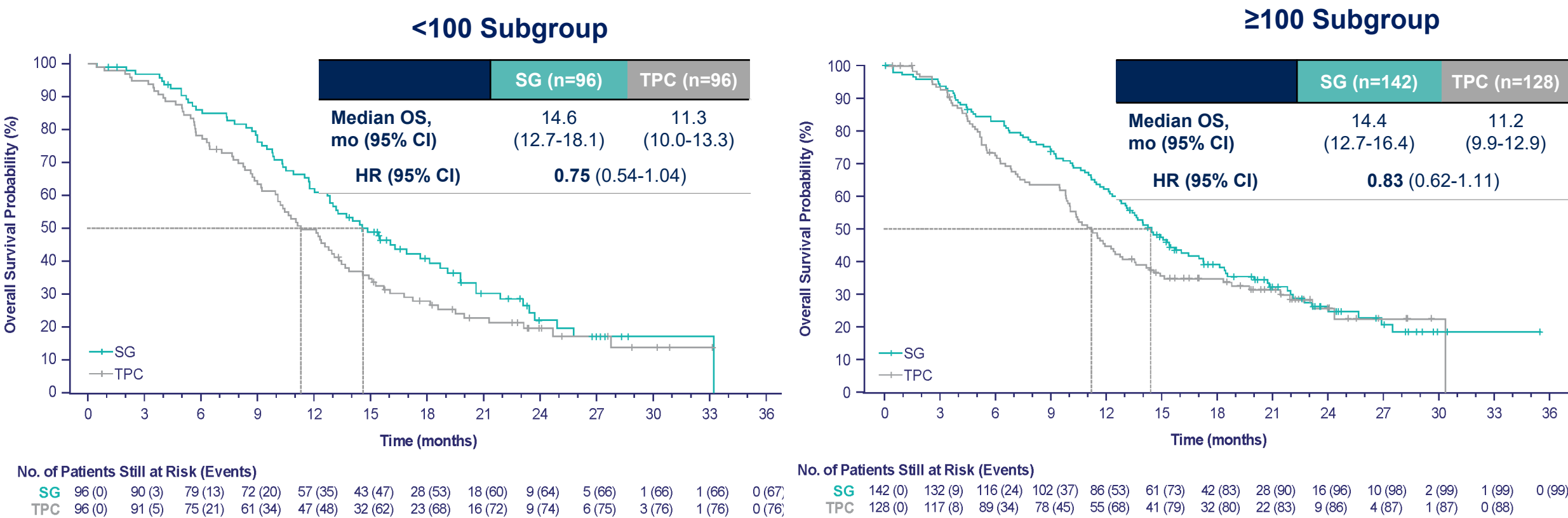
Median follow-up was 10.2 months.

BICR, blinded independent central review; ITT, intent-to-treat; OS, overall survival; PFS, progression-free survival; SG, sacituzumab govitecan; TPC, treatment of physician's choice.

1. Rugo HS, et al. *J Clin Oncol*. 2022;40:3365-3376. Adapted from Rugo HS, et al. Sacituzumab govitecan in hormone receptor-positive/human epidermal growth factor receptor 2-negative metastatic breast cancer. *J Clin Oncol*. 2022. doi: 10.1200/JCO.22.01002. Reprinted with permission from American Society of Clinical Oncology. 2. Rugo H, et al. ESMO 2022. Oral LBA76.

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Overall Survival: Trop-2 H-Score Cutoff of 100



OS benefit with SG over TPC observed in subgroups with Trop-2 H-score <100 and ≥100

Hazard ratio is from an unstratified Cox Regression analysis.
H-score; histochemical score; OS, overall survival; SG, sacituzumab govitecan; TPC, treatment of physician's choice; Trop-2, trophoblast cell surface antigen 2.

Clinical pathway for treatment of ER+/HER2- MBC

1st Line

Endocrine Therapy +/- CDK4/6i

2nd Line

If no CDK4/6i in 1L

ET + CDK4/6i

Prior CDK4/6i in 1L

ET + Alpelisib (PIK3CAmut)

ET + Everolimus

Single agent ET

Chemotherapy

PARP inhibitor (gBRCA1/2mut)

Pembrolizumab (MSI-H/dMMR)

Larotrectinib/Entrectinib (NTRK fusions)

**3rd Line
and
beyond**

If no CDK4/6i in 1/2L

Abemaciclib +/- ET

Prior CDK4/6i

ET + Everolimus

Chemotherapy

Single agent ET

PARP inhibitor (gBRCA1/2mut)

Pembrolizumab (MSI-H/dMMR)

Larotrectinib/Entrectinib (NTRK fusions)

If ESR1 mutation: single agent
elacestrant
Switch ET + Ribo if prior
Palbo. No palbo after palbo

Sacituzumab if at least 2 prior
lines of systemic tx
? ADC after ADC

Trials in HR+/HER2- MBC at Winship

- Serena-6
- Inavolisib Front line or Second Line Trial
- Loxo PI3K mutant specific inhibitor (H1047R)
- Elevate (Elacestrant combinations)
- OP-1250 Phase III Trial
- ELAINE-3 Trial
- Saci +/- Pembro

Take Home

- Consider single agent elecestrant for those with durable response on CDK4/6i and *ESR1m*
- Activity of 1st line ET + ribo front vs chemotherapy in pts with "aggressive disease"
- Await results from postMONARCH in terms of switching ET and CDK 4/6 inh
- Capivasertib might be the new SOC for all comers but toxicity remains an issue
- Sacituzumab Govitecan is approved for ET-resistant HR+/HER2- disease. Prior exposure to ET and at least 2 lines of systemic tx