









Breast Cancer Update in Hormone Sensitive Breast Cancer

Ricardo H. Alvarez, M.D., M.Sc.

Breast Medical Oncologist

Oncology Consultants, Houston Texas



Hilton Aventura Miami | Aventura, FL October 14 - 15, 2022











Disclosures

Dr. Alvarez has disclosed the following:

- Employment or leadership position: Oncology Consultants, PA
- Consultant or Advisory Role: Eisai, Novartis, R-Pharma, AstraZeneca
- Stock Ownership: none.
- Honoraria: Gilead
- Expert Testimony: None.
- Contract Research: AstraZeneca Pharmaceuticals, Daichi Sankyo Inc., GlaxoSmithKline, Novartis, Pfizer, , Cylene Pharmaceuticals, Millennium Pharmaceuticals, Boheringer-Ingelheim Pharmaceuticals Inc, Eisai Inc, Bio-Path Holding Inc, Celgene Corporation, Pfizer Inc,











Outline

- Treating patients with chemotherapy based upon a "static" genomic score
 - Phase III RxPONDER trial
 - MINDACT
- Treating patients based on an "adaptive" biomarker (Ki-67)
 - POETIC and ADAPT trials
- New adjuvant trials with CDK 4/6 inhibitors
 - Abemaciclbi, Ribociclib, and Palbociclib
- Novel SERDs (specific Estrogen Degradators)
 - Elacestrant, Amcestrant, Camizestrant, Imlunestrant, Rintodestrant, Giredestrant
- Important clinical trials results
 - MONARCH-3, TROPION 02, TROPION 01, PATRITUTUMAB











HR+ Early Breast Cancer (EBC) 2022

- Breast cancer is one of the most common cancer with approximately 1,500,000 cases and 500,000 deaths each year worldwide
- More than 200,000 women are diagnosed with invasive breast cancer in the USA every year.
- More than 90% of all breast cancer will be diagnosed as early-stage disease
- Greater than 70% of these will be HR+, HER2-
- Standard treatment is multidisciplinary and depends on the risk of recurrence
- Tamoxifen and aromatase inhibitors are the most common agents used worldwide in early ER+ breast cancer
- Adjuvant endocrine therapy (ET) is standard for HR+, HER2- EBC
 - Decreases risk of recurrence and death
 - Up to 20% of patients may experience disease recurrence in the 1st 10 years
 - Increased risk in those with high-risk clinical or pathological features beyond 10 years



Intermediate quality of evidence/moderate strength of recommendation

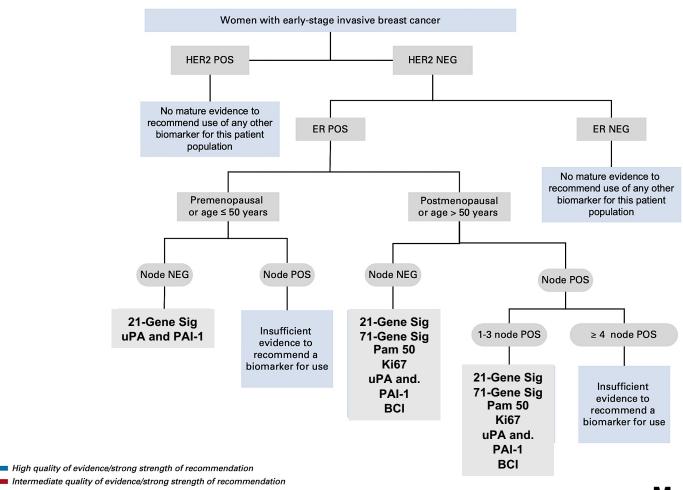








Biomarkers for adjuvant endocrine and chemotherapy in early-stage breast cancer: ASCO Guidelines Update









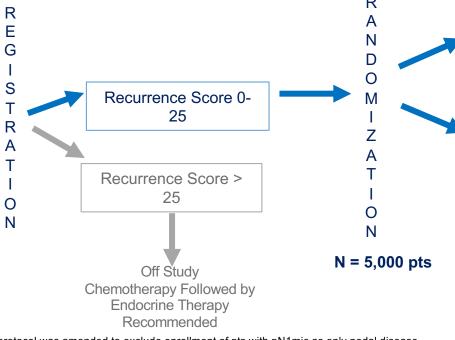






Key Entry Criteria

- Women age ≥ 18 yrs
- ER and/or PR ≥ 1%, HER2- breast cancer with 1*-3 LN+ without distant metastasis
- Able to receive adjuvant taxane and/or anthracycline-based chemotherapy**
- Axillary staging by SLNB or ALND



Stratification Factors

Recurrence Score: 0-13 vs.14-

Arm 1:

Chemotherapy Followed by

Endocrine Therapy

Arm 2:

Endocrine Therapy Alone

Menopausal Status: pre vs. post Axillary Surgery: ALND vs. SLNB





^{*} After randomization of 2,493 pts, the protocol was amended to exclude enrollment of pts with pN1mic as only nodal disease.

^{**} Approved chemotherapy regimens included TC, FAC (or FEC), AC/T (or EC/T), FAC/T (or FEC/T). AC alone or CMF not allowed. ALND = Axillary Lymph Node Dissection, SLNB = Sentinel Lymph Node Biopsy



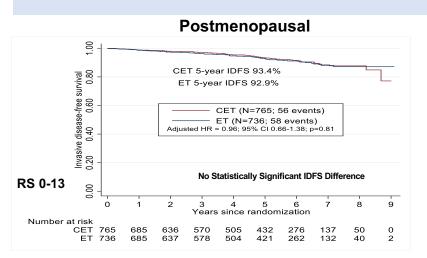


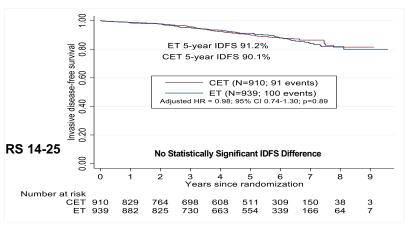




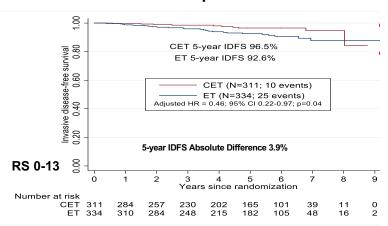


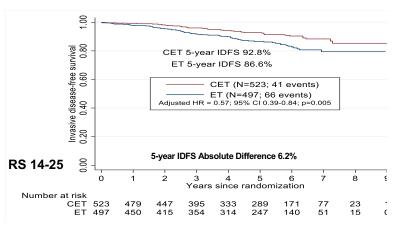
IDFS Stratified by Recurrence Score and Menopausal Status





Premenopausal





















RxPONDER Conclusions

- Postmenopausal women with 1-3 positive nodes and RS 0-25 can likely safely forego adjuvant chemotherapy without compromising IDFS.
- This will save ten of thousands of women the time, expense, and potentially harmful side effects that can be associated with chemotherapy infusions
- Premenopausal women with positive nodes and RS 0-25 likely benefit significantly from chemotherapy











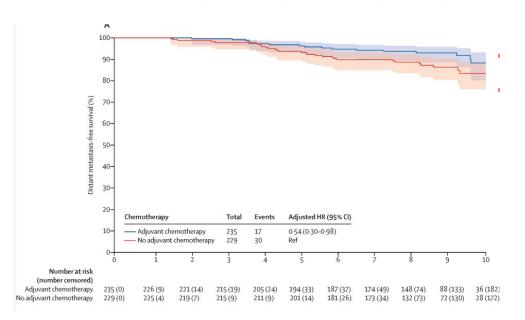




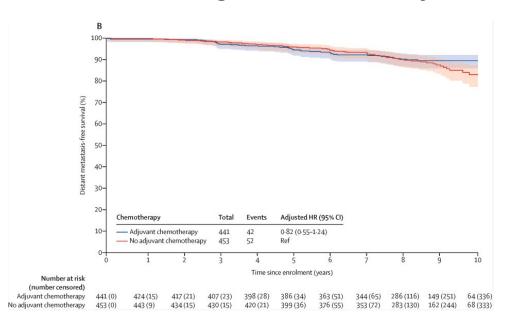
Distant Metastasis-Free Survival in MINDACT

DMFS according to age: Clinical High-risk, Genomic Low-risk by age

Patients aged 50 years or younger



Patients aged older than 50 years







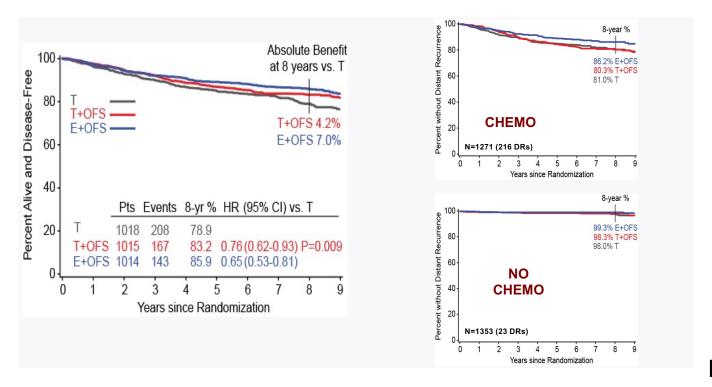






SOFT 8-Year Update

T+OFS Significantly improves DFS vs. T-Alone; Exemestane adds more benefits



Fleming G. SABCS 2017.



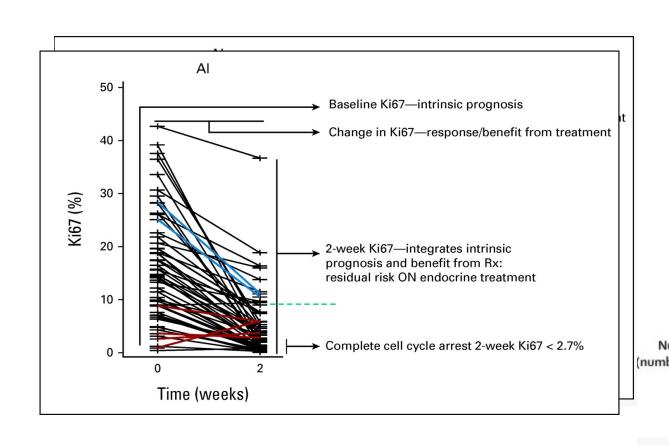


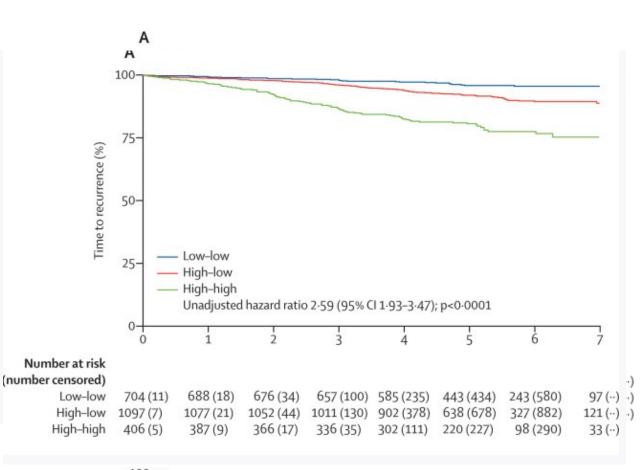






Endocrine Treatment Based on an "Adaptive" Biomarker (KI-67): Finding from POETIC







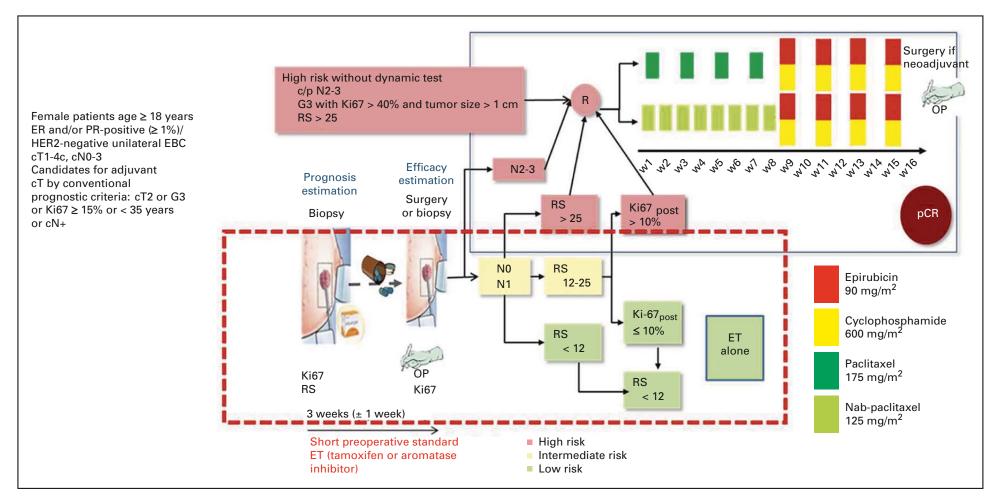








Endocrine therapy response and 21-gene expression assay for therapy guidance in HR+/HER2- EBC - ADAPT







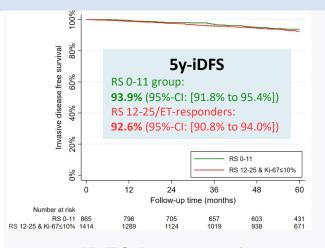








ADAPT: 5-year IDFS

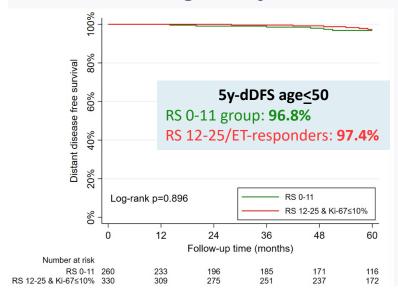


Trial Hypothesis: 5y-iDFS Noninferiority

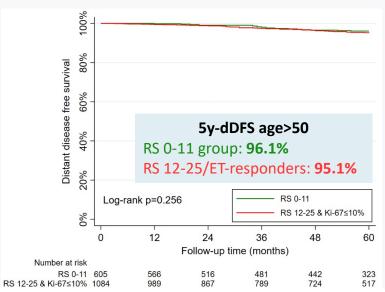
95%-LCL of 5y-iDFS difference: -3.3% (RS12-25/ET-responders vs. RS0-11)

The one-sided lower 95% confidence limit of the observed 5y-iDFS difference (-1.3%) was -3.3%; thus, the pre-specified criterion to accept the primary NI-hypothesis was met (p=.05).

dDFS in age ≤50 years



dDFS in age >50 years













Summary: Ki-67 and neoadjuvant endocrine therapy

- POETIC: Perioperatory AI therapy in postmenopausal women: Elevated Ki-67 (>10%) after 2 weeks of AI therapy identifies patients with increased risk for breast cancer recurrence
- ADAPT: ET response (KI-67: <10%) more likely with Al than tamoxifen (78% vs. 42%;
 P< .001)
- For those that achieve ET response, both premenopausal and postmenopausal patients had dDFS (>96%)
- Need for new strategies for premenopausal women other than AI + OFS.



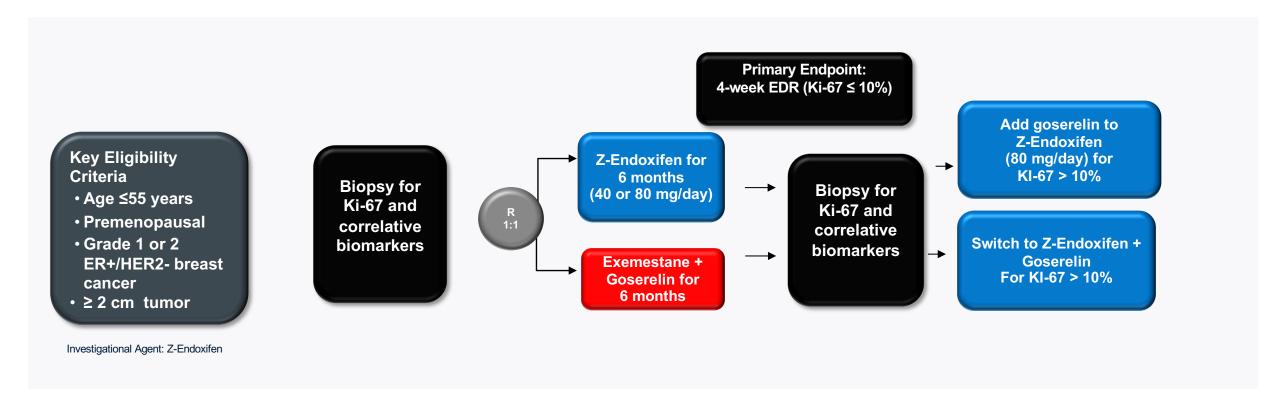








EVANGELINE: A randomized phase 2 trial of (Z)-endoxifen and exemestane + goserelin in premenopausal women



Randomized Phase III Clinical Trials Evaluating CDK 4/6 Inhibitors in Early-Stage ER-Positive/HER2-Negative Breast Cancer

| Trial name and identifier | Estimated enrollment | Study treatment | Study population | Primary endpoint |
|---------------------------|----------------------|--|--|--|
| PALLAS NCT02513394 | 5600 | Standard adjuvant endocrine therapy (at least 5 years) ± 125 mg palbociclib (2 years) | Stage II (stage IIA limited to max. 1000 patients) or stage III Can enroll after 6 months of adjuvant endocrine therapy | Invasive disease-free survival (iDFS) |
| PENELOPE-B NCT01864746 | 1250 | Standard adjuvant endocrine therapy ± palbociclib in a 28-day cycle for 13 cycles | Patients with residual disease and high risk of relapse (based on CPS-EG score) after neoadjuvant CT of at least 16 weeks | Invasive disease-free survival (iDFS |
| NataLEE NCT03701334 | 5000 | Standard adjuvant endocrine therapy (at least 5 years) ± 400 mg <u>ribociclib</u> (3 years) | Stage II/III breast cancer Can enroll after 6 months of adjuvant endocrine therapy | Invasive disease-free survival (iDFS |
| monarchE NCT03155997 | 4580 | Standard adjuvant endocrine therapy ± abemaciclib (2 years) | High-risk node-positive, breast cancer (≥4 lymph nodes, tumor >5 cm, grade 3 or central Ki67 ≥20%) Can enroll after 12 weeks of adjuvant endocrine therapy | Invasive disease-free survival (iDFS |

Completed (neo)adjuvant chemotherapy and radiation as per institutional guidelines and surgery with clear margins











MonarchE: Abemaciclib combined with ET for the adjuvent treatment of HR+, HER2-, Node-positive, English and the adjuvent treatment of HR+, HER2-, Node-positive, English and the adjuvent treatment of HR+, HER2-, Node-positive, English and the adjuvent treatment of HR+, HER2-, Node-positive, English and the adjuvent treatment of HR+, HER2-, Node-positive, English and the adjuvent treatment of HR+, HER2-, Node-positive, English and the adjuvent treatment of HR+, HER2-, Node-positive, English and the adjuvent treatment of HR+, HER2-, Node-positive, English and the adjuvent treatment of HR+, HER2-, Node-positive, English and the adjuvent treatment of HR+, HER2-, Node-positive, English and the adjuvent treatment of HR+, HER2-, Node-positive, English and the adjuvent treatment of HR+, HER2-, Node-positive, English and the adjuvent treatment of HR+, HER2-, Node-positive, English and the adjuvent treatment of HR+ and the adjuvent treatment of HR+.

Menopausal status

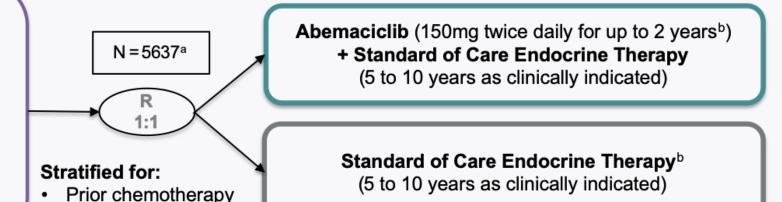
Region

HR+, HER2-, high risk early breast cancer High risk defined as:

- ≥4 positive axillary lymph nodes (ALN) OR
- 1-3 ALN and at least 1 of the below:
 - Tumor size ≥5 cm
 - Histologic grade 3
 - Centrally tested Ki67 ≥20%

Other criteria:

- Women or men
- Pre-/ postmenopausal
- With or without prior adjuvant/neoadjuvant chemotherapy
- · No distant metastases



Endocrine therapy of physician's choice

Primary Objective: Invasive disease-free survival (STEEP criteria) **Key Secondary Objectives**: Distant relapse-free survival, Overall survival, Safety, Patient reported outcomes, and Pharmacokinetics

^a Recruitment from July 2017 to August 2019; ^b Treatment period = first 2 years on study treatment after randomization



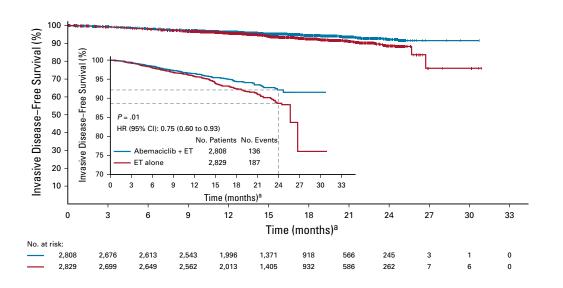


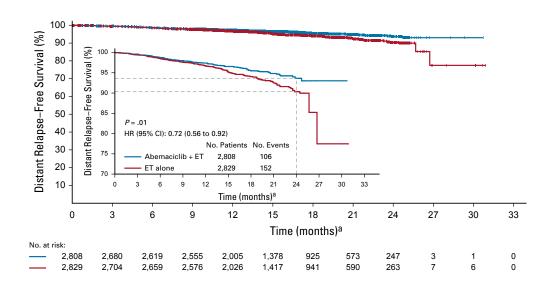






MonarchE: Abemaciclib combined with ET for the adjuvant treatment of HR+, HER2-, Node-positive, EBC









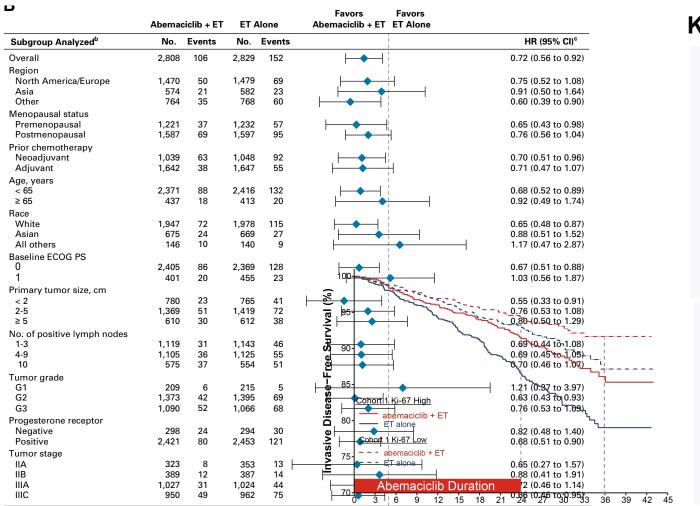






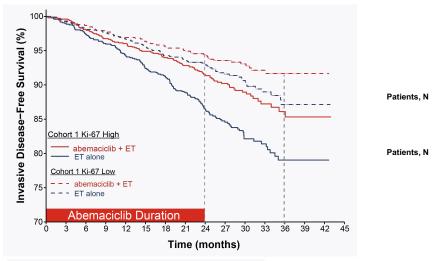
MonarchE: Abemaciclib combined with ET for the adjuvant treatment of HR+, HER2-, Node-positive, EBC

3 Time (months)



0.5

Ki-67 as a prognostic marker in cohort 1



| | Abemaciclib + ET | ET Alone | HR (95% CI) | | | | |
|-------------------------------|---------------------|------------------------|---|--|--|--|--|
| Cohort 1 Ki-67 High, N = 2003 | | | | | | | |
| Patients, N | 1017 | 986 | 0.626 | | | | |
| Events, n | 104 | 158 | (0.488, 0.803) | | | | |
| 3-Year Rates | 86.1% | 79.0% | (0.400, 0.003 | | | | |
| Cohort 1 Ki-67 Low, N = 1914 | | | | | | | |
| Patients, N | 946 | 968 | 0.704 | | | | |
| Events, n | 62 | 86 | 0.704 (0.506, 0.979) | | | | |
| 3-Year Rates | 91.7% | 87.2% | Ki-67 is not | | | | |
| | | Ki-67 is prognostic | predictive of abemaciclib benefit | | | | |

Harbeck Ann Oncol 2021. Johnston SRD, JCO 2020.



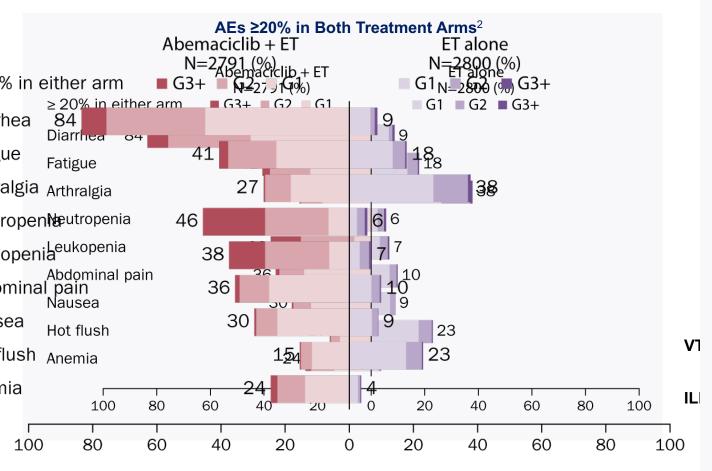








MonarchE: Safety Summary



Among the 2304 patients who experienced diarrhea³

- Median time to onset (any grade) was 8 days
- 20.5% had ≥1 dose reduction
- 22.9% had dose holds
- 5.0% of patients had their treatment discontinued

| Other events of interest, ² any grade | Abemaciclib + ET (n=2791) | ET alone (n=2800) | |
|--|---------------------------------|----------------------|--|
| VTE, % | 2.5 | 0.6 | |
| PE, % | 1.0 | 0.1 | |
| ILD, % | 3.2 | 1.3 | |



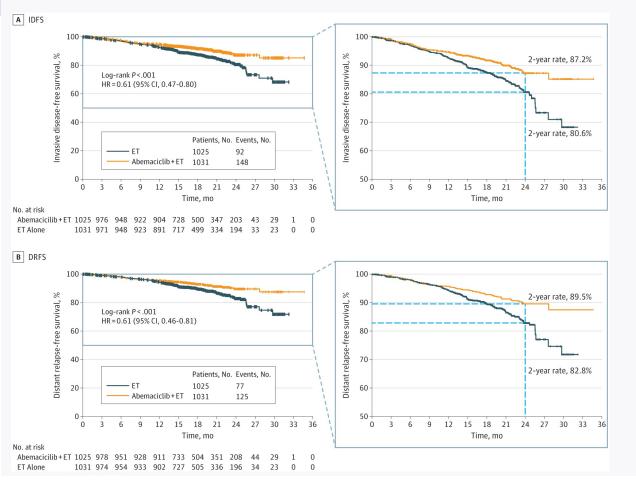








MonarchE: Patients who received neoadjuvant chemotherapy



Two-year IDFS rates were 87.2% in the abemaciclib + ET arm and 80.6% in the ET arm – 6.6% difference

Two-year DRFS rates were 89.5% in the abemaciclib + ET arm and 82.8% in ET arm – 6.7% difference







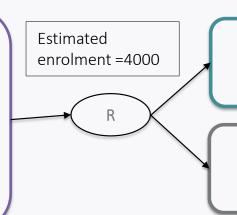




NATALEE: An ongoing adjuvant CDK4/6 Inhibitors trial

HR+, HER2-, early breast cancer

 Anatomic Stage II (either N0 with grade 2-3 and/or Ki67 ≥ 20% or N1) or III EBC



Ribociclib 400 mg/day (3 weeks on/1 week off) for 3 years +

+ Endocrine Therapy (Letrozole or Anastrozole)
Continues to 60 months

Endocrine Therapy (duration 60 months)

Other criteria:

- Women or men
- Pre*-/ postmenopausal
- With or without prior adjuvant/neoadjuvant chemotherapy
- No distant metastases

*Premenopausal and male patients will also receive goserelin 3.6 mg/28 d

Primary Objective: Invasive disease-free survival (STEEP criteria) **Key Secondary Objectives**: recurrence-free survival, distant DFS, overall survival, patient-reported outcomes, and RIBO pharmacokinetics. Safety and tolerability will also be evaluated.











Guidelines for abemaciclib use in patients with EBC

FDA-Approved Indication¹

Abemaciclib plus ET (tamoxifen or an AI) for the adjuvant treatment of adult patients with HR+ HER2-, node-positive EBC at a high risk of recurrence and a Ki-67 score of ≥20%

In monarchE, patients had to have tumor involvement in at least 1 ALN and either:

- ≥4 ALN, or
- 1-3 ALN and at least one of the following:
 - tumor grade 3
 - tumor size ≥ 50 mm
- Patients with available untreated breast tumor samples were tested retrospectively at central sites using the Ki-67 IHC MIB-1 pharmDx (Dako Omnis) assay to establish if the Ki-67 score was ≥20%, specified in the protocol as "Ki-67 high"

ASCO Guidelines²

Abemaciclib for two years plus ET for ≥5 years may be offered to the broader ITT population of patients with resected, HR+ HER2-, node-positive, EBC at high risk of recurrence

High risk of recurrence is defined as having:

- >4 positive ALNs, or
- 1-3 ALNs, and one or more of the following
 - histologic grade 3 disease
 - tumor size >5 cm, or
 - Ki-67 index >20%











CDK4/6 inhibitors: Phase III, First line studies in HR+ MBC

| | Paloma-2 Finn et al, NEJM 2016; Rugo et al BCRT 2019, Finn et al, ASCO 2022 | Monaleesa-2 Hortobagyi et al, NEJM 2016; Ann Oncol 2018; Slamon JCO 2018, Hortobagyi et al, NEJM 2022 | Monaleesa-3 Slamon et al, NEJM 2020; Ann Onc 2022; Neven et al, ESMO BC 2022 | Monarch-3 Goetz et al,JCO 2017; Johnston et al, NPJ Breast 2019 | Monaleesa-7 Tripathy et al Lancet Oncol 2018; Im et al, NEJM 2019; Lu et al CCR 2022 |
|-----------------|---|--|---|--|--|
| Study design | Letrozole/Pla vs Let/Palbociclib (1:2) | Letrozole/Pla vs Let/Ribociclib (1:1) | Fulvestrant/Pla vs Fulv/Ribociclib (2:1; 1 st line subset) | Letrozole/Pla vs Let/Abemaciclib (1:2) | AI or TAM/Pla vs AI or Tam+OS/Ribociclib (1:1) |
| Eligibility | Postmenopausal First line | Postmenopausal First line | Postmenopausal First Line DFI>12 mo | Postmenopausal First line DFI>12 mo | Pre/perimenopausal One prior chemo allowed (14%) |
| No. of pts | 666 No progression on Als <mark>DFI<12 mo: 22%</mark> | 668 No progression on Als DFI<12 mo: 1-3% | 365 1st line/726 total No progression on Als DFI<12 mo: not allowed | 493 No progression on Ais DFI<12 mo: not allowed | 672 DFI<12 mo 30% 60% no prior E rx |
| PFS | 14.5 vs 27.6 mo HR 0.56 (0.46-0.69) p<0.000001 | 16.0 vs 25.3 mo HR 0.556 (0.43-0.72); p=0.00000329 | 19.2 vs 33.6 1 st line HR 0.55 (0.49-0.71) (descriptive update) | 14.8 vs 28.2 mo HR 0.54 (0.418-0.698) P=0.00002 | 13.0 vs 23.8 mo. HR 0.55 (0.44-0.69) P<0.0001 |
| OS | Median FU 90 mo Med OS 51.2 v 55.9 mo HR 0.956 (0.777-1.777) P=0.338 DFI>12 mo (41%) Med OS 47.4 v 66.3 mo HR 0.728 (0.528-1.005) | Median FU 80 mo Med OS 51.4 v 63.9 mo HR 0.76 (0.63-0.93) P=0.004 | Median FU 70.8 mo. Med OS 51.8 v 67.6 mo HR 0.67 (0.50-0.90) | Not Reported | Median FU 53.5 mo Median OS: 58.7 v 48mo HR 0.763 (0.608-0.956) |



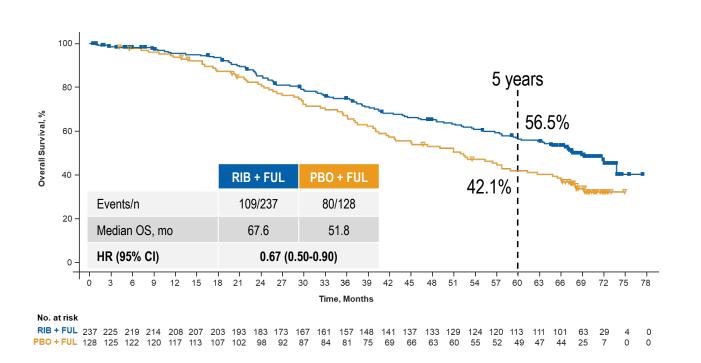








Monaleesa 3: mOS with first line ribociclib was 67.6 Mo



- ~50% of the trial population was a first line (n=356)
- The median duration of FU from randomization to

data cut-off was 70.8 months.

 At 5 years, the survival rate of the patient receiving
 Ribociclib was 56%



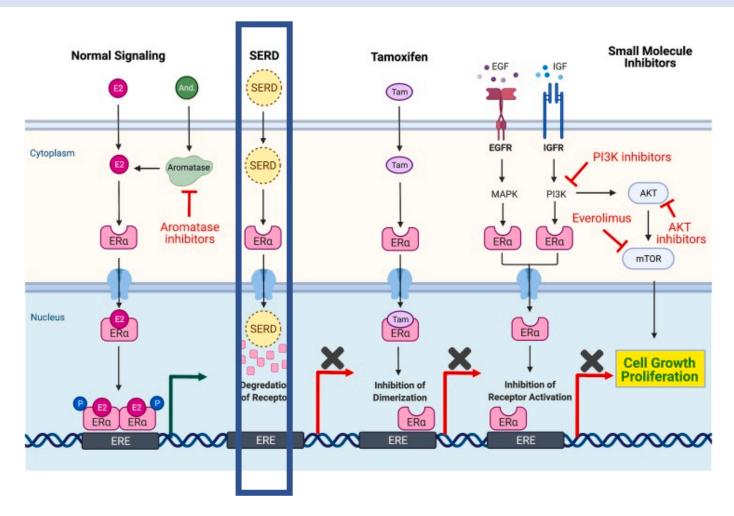








Drugs targeting the ER signaling pathway used for the treatment of ER+ breast cancer













Efficacy with select single-agent oral SERDs in Phase I clinical trials

Key Advantages: oral, highly potent, active against ESR1 mutation including Y537S

| Oral SERD | N | Median Lines of Rx for MBC | Prior CDK 4/6i (%) | Prior Fulvestrant (%) | ESR1 mutation at baseline (%) | RP2D | ORR (%) | CBR (%) | Median PFS (months) | Reference |
|------------------------------|------|-------------------------------------|-----------------------|-----------------------------|-------------------------------------|-----------|---------|---------|--|-------------------------|
| LSZ-102# | 77 | 4 (0-10) | 58 | 60 | 41.7 | 450mg | 1.4 | 9.1 | 1.8 | Jhaveri CCR 2021 |
| GDC-9545 (Giredestrant) | 111 | 1 (0-3) | 64 | 21 | 47 | 30mg | 15 | 50 | 7.2 | Jhaveri ASCO 2021 |
| RAD1901 (Elacestrant) | 50 | 3 (1-7) | 52 | 52 | 50 | 400mg | 19.4 | 42.6 | 4.5 | Bardia JCO 2021 |
| SAR439859 (Amcenestrant) | 62 | 2 (1-8) | 63 | 46.8 | 51 | 400mg | 8.5 | 33.9 | Not reported | Linden SABCS 2020 |
| AZD9833 (Camizestrant) | 98 | 3 (0-7) | 69 | 58 | 43 | 75mg | 10 | 35.3 | 5.4 | Baird SABCS 2020 |
| LY-3484356 (Imlunestrant) | 72 | 2 (0-8) | 90 | 39 | 49 (all cohorts) | 400mg | 12 | 55 | 6.5 mo (2 nd line post CDKi) | Jhaveri et al ASCO 2022 |
| G1T48 (Rintodestrant) | 67 | 2 (0-9) | 70 | 64 | 45 | 800mg | 5 | 30 | 2.6-3.6 | Aftimos SABCS 2020 |
| D0502* | 16 | NA | Not reported | Not reported | NA | 400mg | 10 | 50 | Not reported | Osborne SABCS 2020 |
| Zn-C5 | 56## | 2 (0-9) | 70 | 46 | 41 | 50mg/25mg | 5 | 38 | 3.8 | Kalinsky SABCS 2021 |











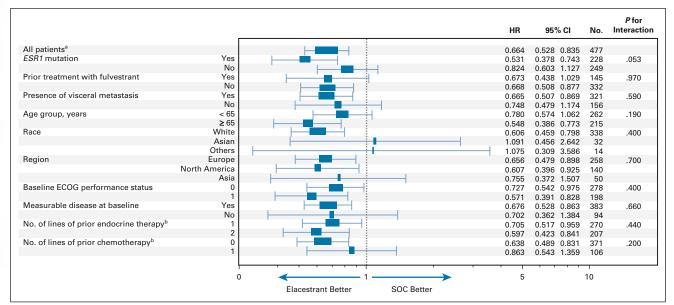


Elacestrant (RAD 1901) vs. Standard ET for ER+/HER-ABC. Emerald trial

Inclusion criteria

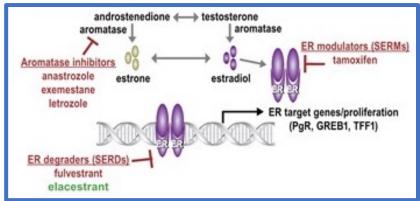
- Advanced/metastatic ER+/HER2- breast cancer
- Progressed or relapsed on or after 1 or 2 lines of endocrine therapy, 1 of which was given in combination with a CDK4/6 inhibitor, for advanced or metastatic breast cancer
- ECOG PS 0 or 1

Elacestrant 400 mg QD* Investigator's Choice of: Fulvestrant Anastrozole Letrozole Exemestane



Stratification factors:

- · ESR1-mut: Y/N
- · Prior treatment with fulvestrant: Y/N
- Presence of visceral metastases: Y/N



Drugs targeting the ER signaling Pathway

Primary Endpoints:

- IRS (all patients and ESR1-mut)
- Key secondary endpoint: OS (all patients and ESR1-mut)

Bidard F-C JCO 2022.





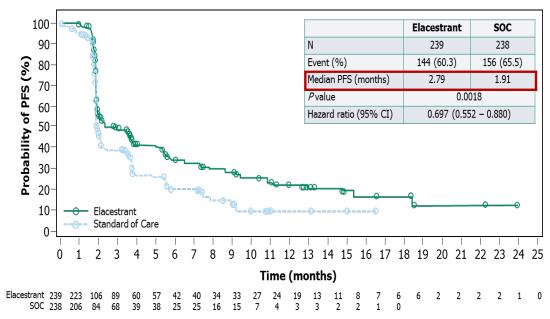




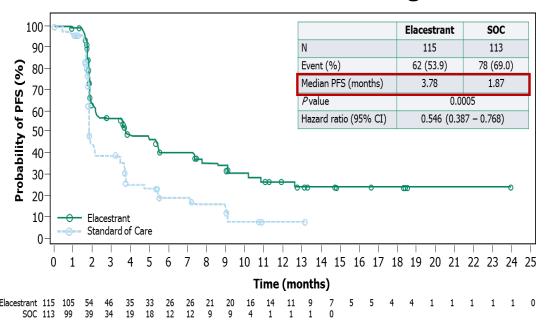


Emerald trial: Results





Patients With Tumors Harboring mESR1



Elacestrant is associated with a 30% reduction in the risk of progression or death in all patients with ER+/HER2- MBC

Elacestrant is associated with a 45% reduction in the risk of progression or death in patients harboring *mESR1*











EMERALD: Investigators' Conclusions

- Elacestrant is first oral SERD to demonstrate significant, clinically meaningful improvement in PFS vs SoC endocrine therapy as second- or third-line treatment for ER+/HER2- mBC following prior treatment with CDK4/6 inhibitor
 - 30% reduction in risk of progression or death in all patients
 - 45% reduction in risk of progression or death in patients with mESR1
 - Results for elacestrant vs fulvestrant consistent with those for elacestrant vs SoC
- Elacestrant was well tolerated with a safety profile consistent with other endocrine therapies
- Studies ongoing/planned to investigate elacestrant combinations (eg, with CDK4/6 inhibitors, mTOR inhibitors) in earlier lines in ER+/HER2- breast cancer















rant for **ER+/HER2- Advanced or MBC**

August 11, 2022 Kristi Rosa





The FDA has granted priority review to a new drug application seeking the approval of elacestrant for use in patients with estrogen receptor-positive/HER2-negative advanced or metastatic breast cancer.



The FDA has granted priority review to a new drug application (NDA) seeking the approval of elacestrant for use in patients with estrogen receptor (ER)-positive/HER2-negative advanced or metastatic breast cancer.1

The NDA is supported by findings from the phase 3 EMERALD trial

(NCT03778931), in which treatment with the oral selective estrogen receptor degrader (n = 239) resulted in a 30% reduction in the risk of disease progression vs standard of care (SOC; n = 238) per blinded independent central review (BICR; HR, 0.70; 95% CI, 0.55-0.88; P = .0018). The median progression-free survival (PFS) with elacestrant was 2.8 months compared with 1.9 months with SOC.

Data from a landmark analysis revealed that the 12-month PFS rates achieved with elacestrant vs SOC were 22.3% (95% CI, 15.2%-29.4%) and 9.4% (95% CI, 4.0%-14.8%), respectively.











Recent results of new SERDs in the post-CDK4/6 inhibitor setting

| | EMERALD (NCT03778931) | AMEERA-3 (NCT04059484) | aceERA (NCT04576455) | SERENA-2 (NCT04214288) | EMBER-3 (NCT04975348) |
|----------------------------------|--|---|---|---|--|
| N | 477 | 282 | 303 | 288 | 800 |
| Patient Population | ER+/HER2- ABC | ER+/HER2- ABC (ET sensitivity required) | ER+/HER2- ABC Measurable disease | ER+/HER2- MBC | ER+/HER2- MBC |
| Number of Prior Therapies | 1-2 | 0-2 | 0-2 | 0-2 | 1 (AI + CDK4/6i) |
| Prior Chemotherapy | 20% had 1 line | Allowed (≤1) or CDK | Allowed (≤1) | Allowed (≤1) | Not allowed |
| Prior Fulvestrant | 30% | Allowed | Allowed | Not allowed | Not allowed |
| Prior CDK 4/6i | 100% | 80% | Allowed | Allowed | Allowed |
| Treatment Arms | Elacestrant vs ET (Al or Fulvestrant) | Amcenestrant vs ET (AI, Tamoxifen or Fulvestrant) | Giredestrant vs ET (Al or Fulvestrant) | Camizestrant (various doses) vs Fulvestrant | Imlunestrant (N~370) vs ET (AI or Fulv) (N=280) vs Imlunestrant + Abemaciclib (N= 180) |
| Primary Endpoint | PFS in ITT and <i>ESR1</i> mutant | PFS | PFS | PFS | PFS |
| Results | Positive IIT: 2.79 vs 1.891 HR 0.7 <i>ESR1</i> m: 3.78 vs 1.87HR 0.55 | Did not meet primary EP | Did not meet primary EP | Not yet reported | Not yet reported Courtesy of Jhaveri |



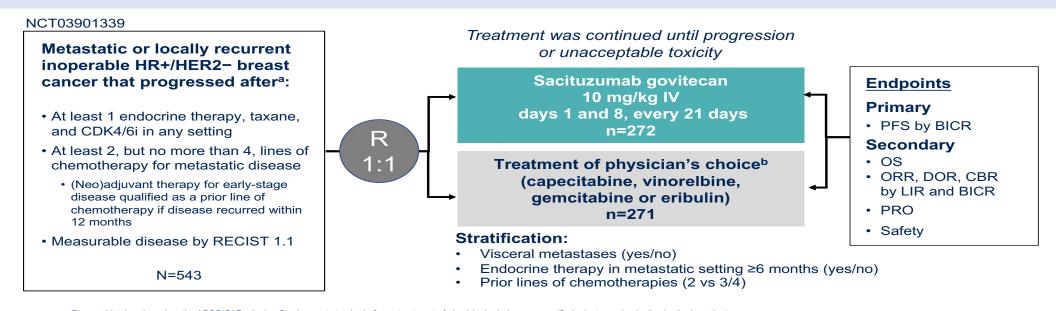








TROPiCS-02: A phase III trial of Sacituzimab Govitecan (SG) in HR+/HE2- MBC



Patients' characteristics:

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ET: 3

CT: 3. Safety: primary toxicity >gr3 is neutropenia and diarrhea. OS immature





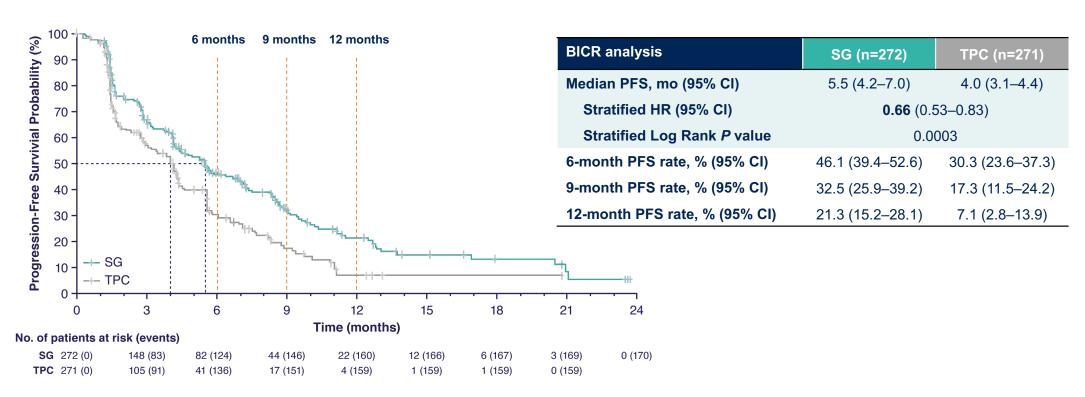


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SG demonstrated a statistically improvement in PFS vs TPC with a 34% reduction in the risk of disease progression/death. A higher proportion of patients were alive and progression free at all landmark time points.











Conclusions

- In patients with heavily pretreated HR+/HER2- advanced breast cancer who have received prior endocrine-based therapy, including prior CDK4/6i therapy, and at least 2 prior chemotherapy regimens for metastatic disease, SG demonstrated a statistically significant PFS benefit over TPC
 - The primary endpoint of PFS by BICR was met, with a 34% reduction in risk of disease progression or death (HR, 0.66; *P*<0.001)
 - A higher proportion of patients were alive and progression-free at all landmark time points, with three times as many patients' progression-free at the one-year mark when treated with SG compared to those who received TPC (21% vs 7%)
- At the first planned interim analysis of OS, a numeric trend for improvement for SG vs TPC was observed; results are not yet mature, and further follow-up for OS is ongoing
- SG also demonstrated an overall HRQoL benefit over TPC, with delayed deterioration in fatigue and global health status/QoL scales in EORTC QLQ-C30
- The safety profile of SG was manageable and consistent with that in previous studies;¹⁻³ no new safety concerns were identified.



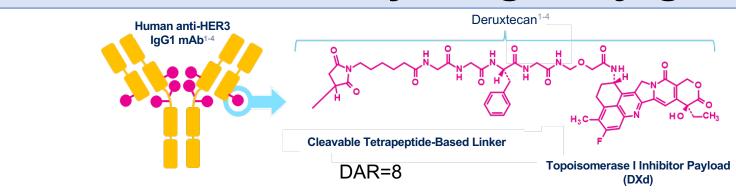








Patritumab Deruxtecan (U3-1402): An anti-HER3 Antibody Drug Conjugate.



- Dose escalation/finding study
- HER3+ disease
- For HR+/HER2- cohort
 - ≥2 and ≤6 lines of prior chemotherapy; ≥2 for advanced disease
 - HER3 low and high
- Safety similar between 4.6 and 6.4 mg/kg IV q3wk
 - Most common toxicities: GI and heme
 - 10% discontinuation due to AEs
 - 27% grade 3 thrombocytopenia
 - 6.6% ILD; 1 death

| Outcomes (BICR per RECIST 1.1) | HR+/HER2- (n=113) HER3-High and -Low |
|--------------------------------|--|
| Confirmed ORR, % (95% Cla) | 30.1 (21.8-39.4) |
| Best overall response, %b | |
| PR | 30.1 |
| SD | 50.4 |
| PD | 11.5 |
| NE | 8.0 |
| DOR, median (95% CI), mo | 7.2 (5.3-NE) |
| PFS, median (95% CI), mo | 7.4 (4.7-8.4) |
| 6-month PFS rate, % (95% CI) | 53.5 (43.4-62.6) |
| OS, median (95% CI), mo | 14.6 (11.3-19.5) |



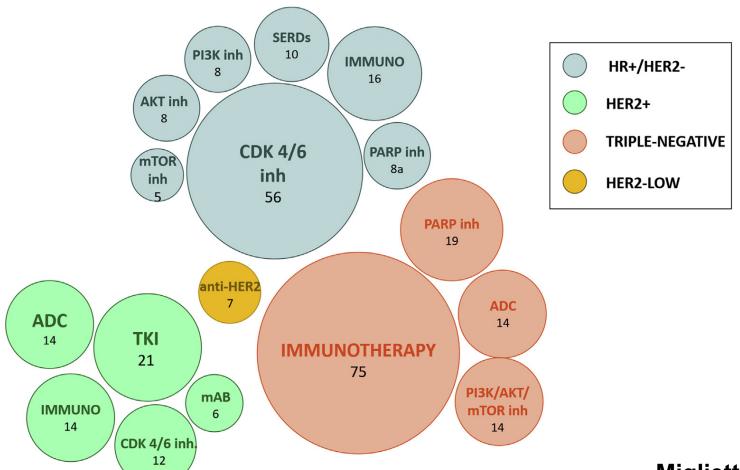








Current active phase II and II trials for MBC divide according to BC subtypes and drug categories













Summary

- Significant progress in chemotherapy de-escalation with TAILORx, RxPONDER, and MINDACT
- We are learning more about the impact of treatment factors on OS with ET plus CDK4/6i including prior CT and DFI
 - CDK4/6i should be employed as early as possible and before chemotherapy for MBC
 - Sequencing of CDK4/6i is still under investigation
- New approaches to hormone therapy
 - A broad range of SERDs/other agents
- Antibody-drug conjugates
 - Changing the approach to chemotherapy for HR+/HER2 low disease













Thank you!



Ricardo H. Alvarez, M.D., M.Sc.

Phone: (713) 827-9525

E-mail: <u>ralvarez@oncologyconsultants.com</u>

Facebook: Ricardo H. Alvarez

Tweeter: rhalvarez1