Best of SABCS 2022



OFFICIAL



Metastatic Breast Cancer

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Disclosures

- Consultancy (Honoraria) in the last 24 months: Novartis, Lilly, Daiichi Sankyo, AstraZeneca, MSD.
- Travel/congresses grants: Pfizer, Roche, AstraZeneca, MSD, Lilly.

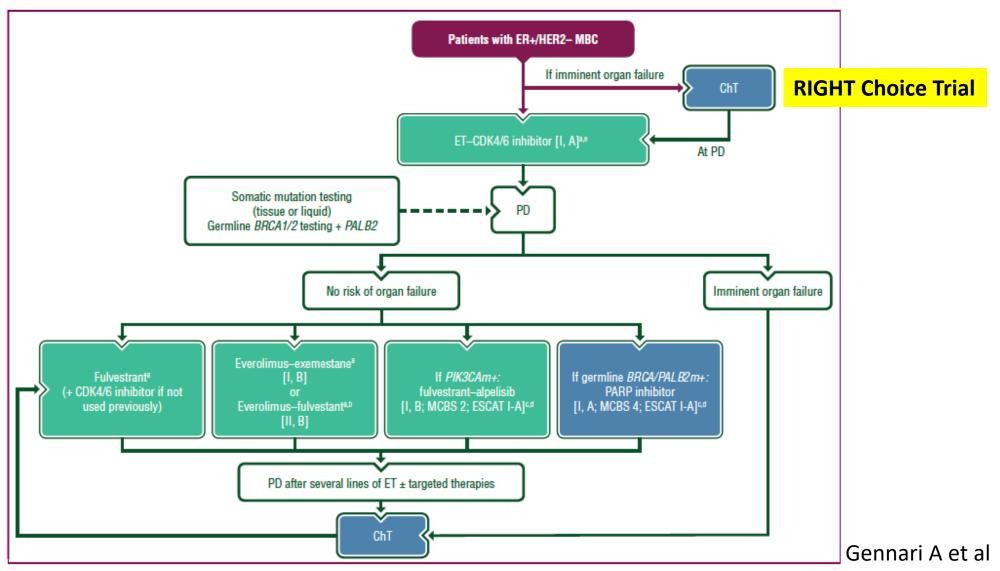


Focus

• ER+ HER2 – metastatic breast cancer

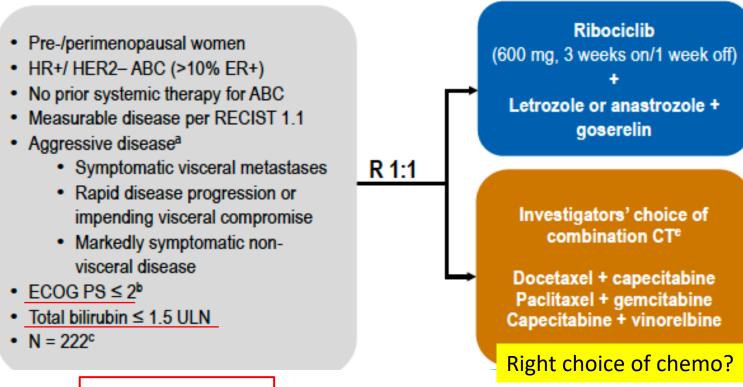
• HER2+ metastatic breast cancer

ER+ HER2 "negative" disease



ESMO guidelines 2021

RIGHT Choice Trial: Premenopausal women, untreated 'aggressive' disease



Primary endpoint

 PFS (locally assessed per RECIST 1.1)

Secondary endpoints

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

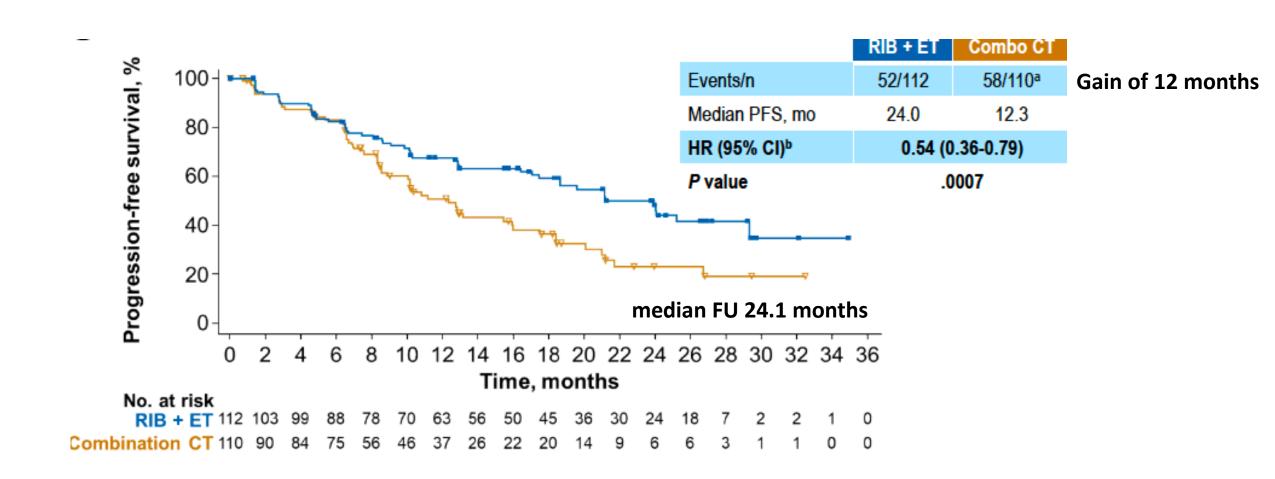
Exploratory endpoints

- Biomarker analyses
- · Healthcare resource utilization

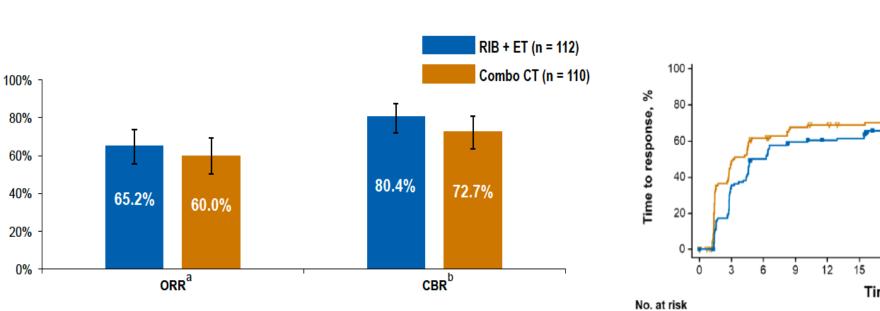
50% visceral crisis

Background: CT vs CDK4/6 inh trial (PEARL) included pretreated patients and no visceral crisis

RIGHT Choice trial: Primary Endpoint - PFS

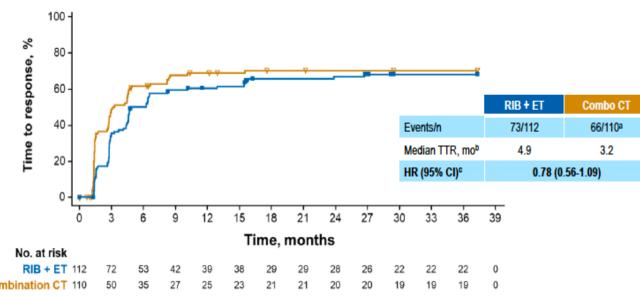


RIGHT Choice trial: Secondary Endpoints ORR, CBR and TTR

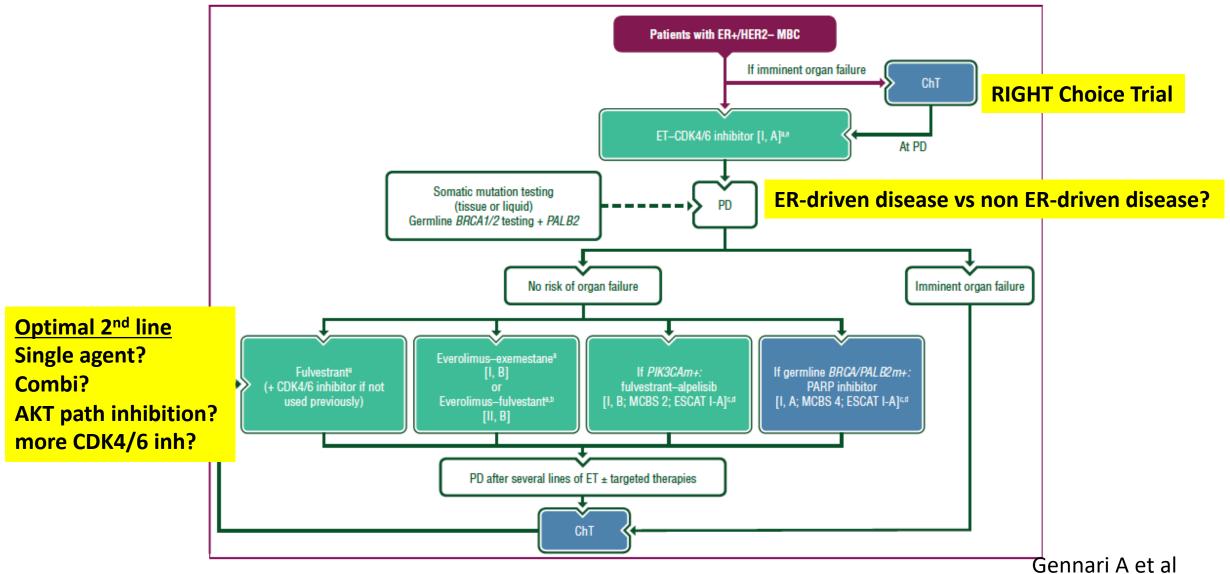


Response rates

Time to onset of response



ER+ HER2 "negative" disease



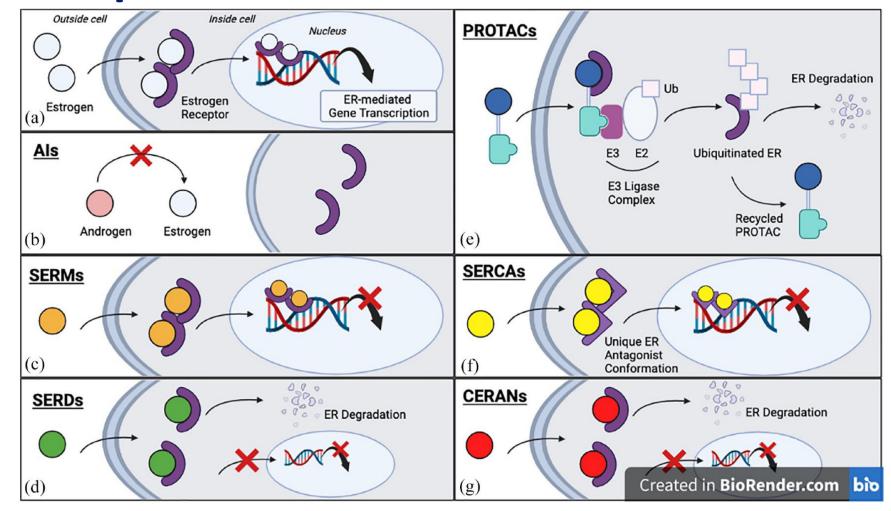
ESMO guidelines 2021

Optimal 2nd line in ER+ HER2- mBC?

- Targeting acquired resistance in ER-driven disease:
- (1L endocrine therapy > 6months adapted to >12 months CDK4/6i + ET) 1
 - Overcoming ESR1 mutations with SERDS
 - o EMERALD (update)
 - SERENA-2
 - New agents PROTACS: VERITAC
 - CDK4/6 inhibition after CDK 4/6 inhibition: PACE
- Tackling the AKT pathway beyond CDK4/6 inhibition: CAPItello-291

¹ABC5 ESO-ESMO guidelines F.Cardoso

SERD Selective Estrogen Receptor Degraders and novel therapies

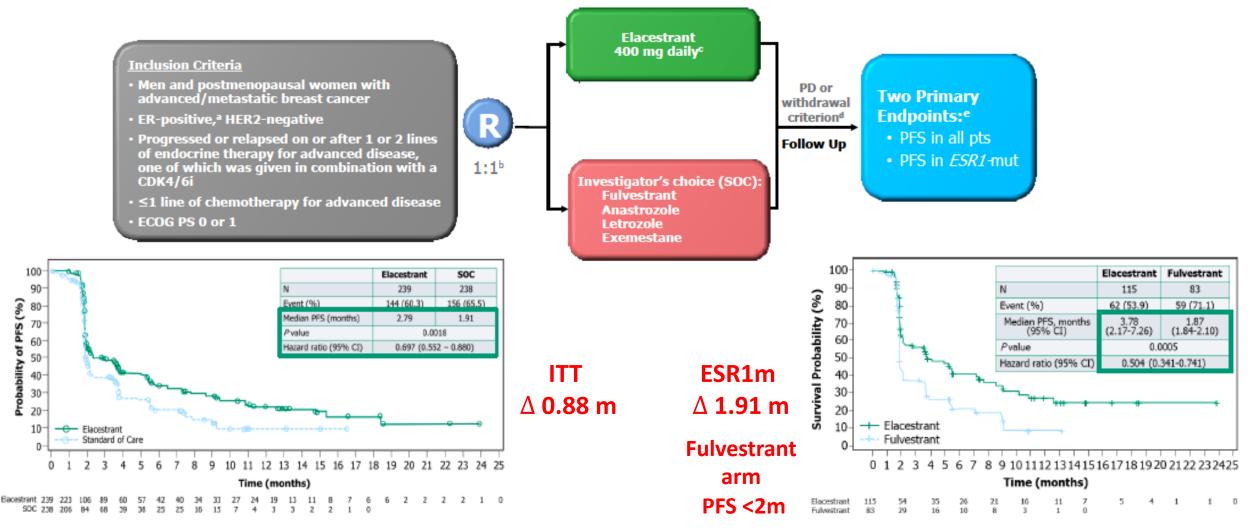


ARV-471

Tamoxifen

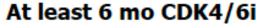
Fulvestrant Elacestrant Camizetrant

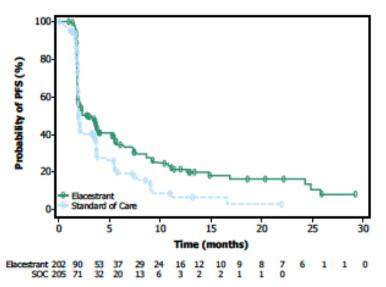
EMERALD phase 3 Trial: Elacestrant vs standard ET



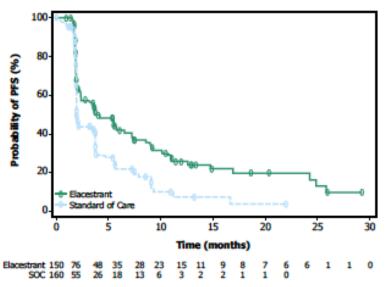
Bidard FC JCO 2022 Kaklamani V. SABCS 2022

EMERALD Trial: Updated PFS results by duration of previous CDK4/6i

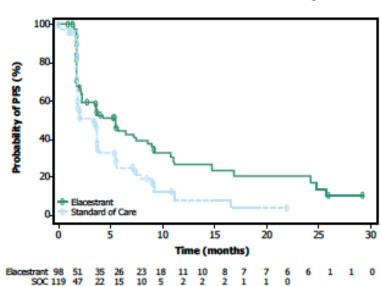




At least 12 mo CDK4/6i

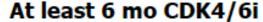


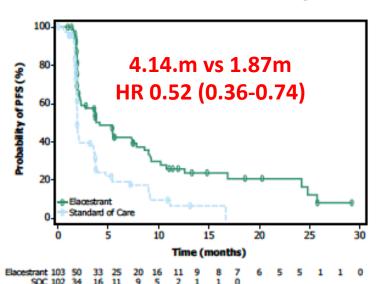
At least 18 mo CDK4/6i



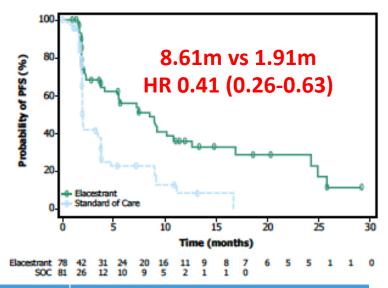
2.79m vs 1.91m HR 0.69 (0.53-0.88) 3.78m vs 1.91m HR 0.613 (0.45-0.83) 5.45m vs 3.29m HR 0.70 (0.48-1.02)

EMERALD Trial: Updated PFS results by duration of previous CDK4/6i – ESR1 mutated tumours

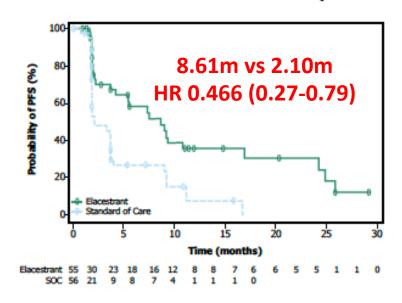




At least 12 mo CDK4/6i



At least 18 mo CDK4/6i



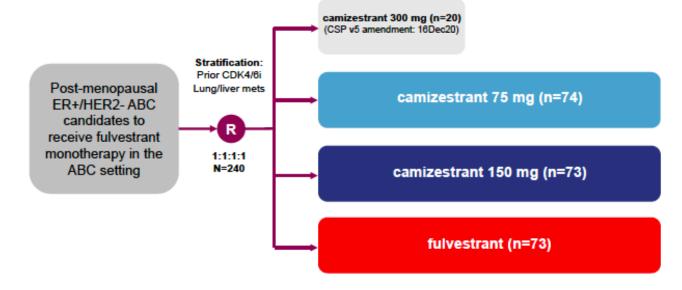
| Duration on CDK4/6i in the metastatic setting | <6 m | onths | 6- 12 months | | |
|---|-------------|---------------|-----------------------|---------------|--|
| ESR1-mut | Elacestrant | SoC | Elacestrant | SoC | |
| | (n=9) | (n=8) | (n=25) | (n=21) | |
| Median PFS (months) | 1.87 | 1.87 | 1.91 | 1.84 | |
| | (1.64) | (1.68 - 5.55) | (1.87 - 2.79) | (1.68 - 3.45) | |
| Hazard ratio | 1.565 (0.4 | 24 - 5.769) | 1.122 (0.547 - 2.347) | | |

Patient with a short duration of 1rst line should probably not receive a single agent SERD in 2nd line

SERENA-2 phase 2 Trial: Camizestrant vs Fulvestrant in post-menopausal women ER+HER2-

Key inclusion/exclusion criteria:

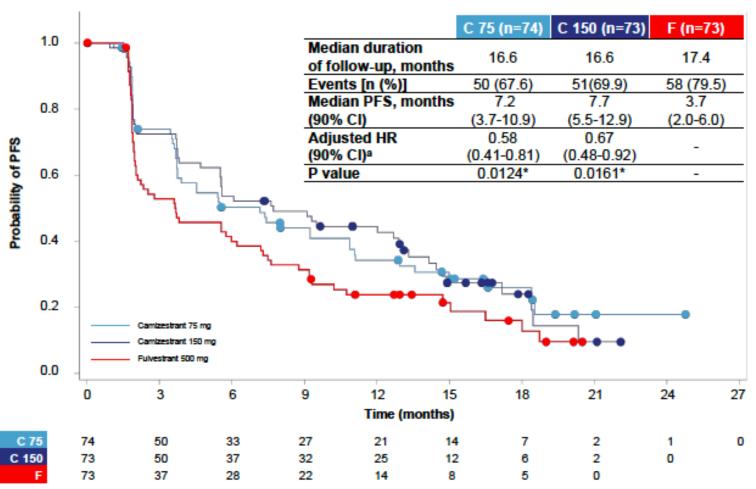
- Recurrence or progression on at least one line of ET
- No prior fulvestrant or oral SERD in ABC
- No more than one line of ET in ABC setting
- No more than one line CT in ABC setting
- Measurable and non-measurable disease



50% Prior CDK4/6 inh 58% Visceral M+ 36% ESR1 mutations (pl)

- · Primary endpoint: PFS (investigator assessment*)
- Secondary endpoints: CBR24, ORR, OS, safety
- Translational endpoints: serial ctDNA analysis including ESR1m, serial CTCs analysis

SERENA-2 phase 2 Trial: Primary Endoint: PFS by investigator assessment



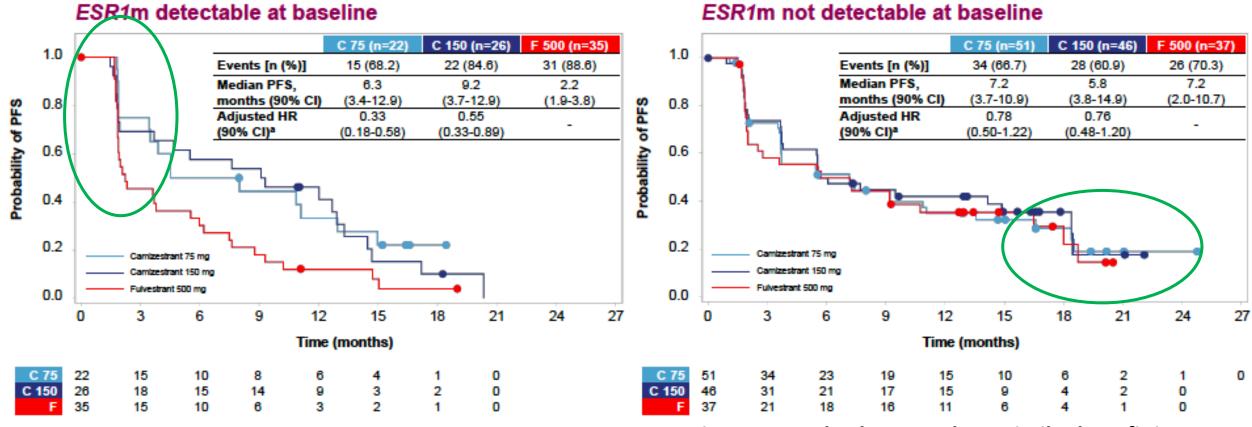
75mg: PFS ∆ **3.5m**

100mg: PFS Δ 4m in favour of camizestrant

Safety in camizestrant arms (75-150mg): CTCAE gr 3 was low (1.4-2.7% vs 1.4%)
Discontinuation due to tox in 2.7% (n=2)
Dose interruption in 15-20% vs 4%

Most frequently and mostly gr1: photopsia (12%)and bradycardia (5%) fatigue (5%) anemia (10%) asthenia (8%)

SERENA-2 phase 2 Trial: PFS by ESR1m



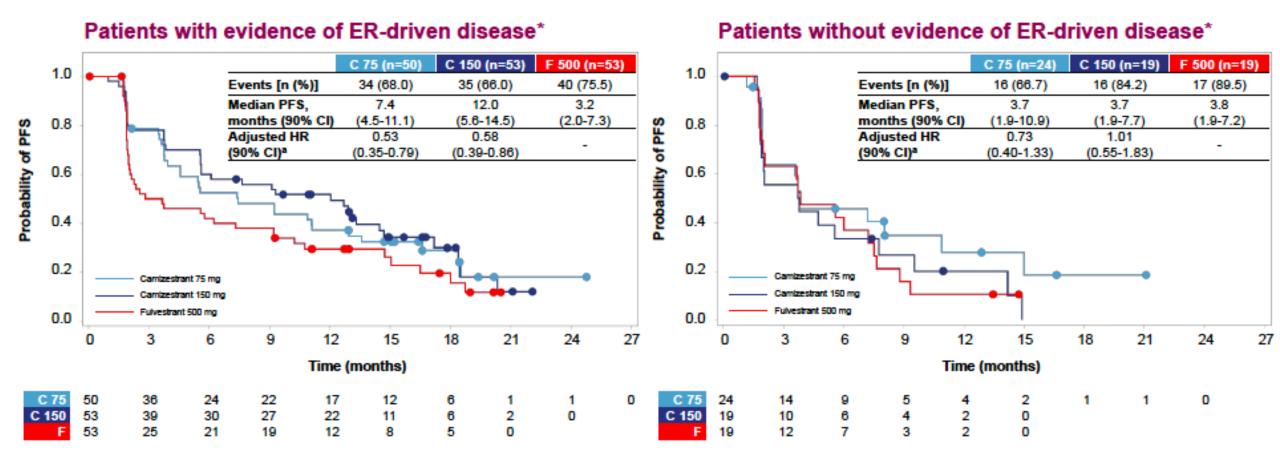
Some ESR1 mutant derive no benefit from SERDs

Camizestrant and Fulvestrant have similar benefit in ESR1 wt group

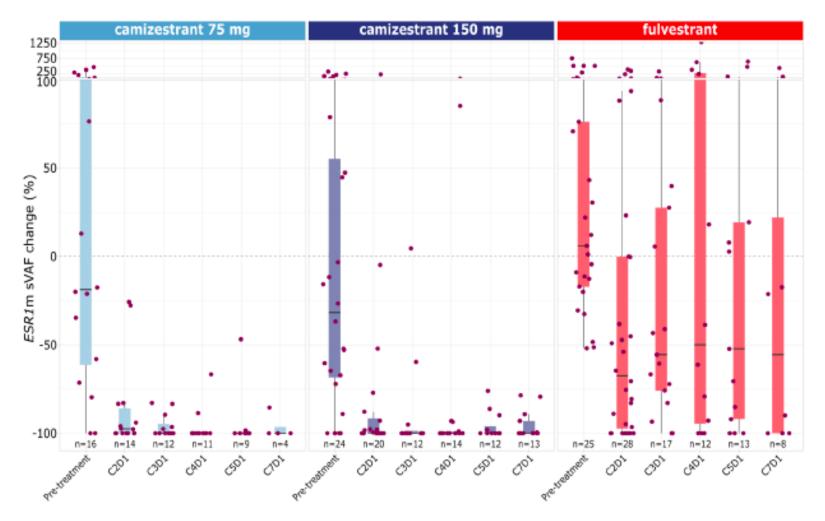
Some ESR1 wt patients will benefit from SERDs

Oliveira M. SABCS 2022

SERENA-2 phase 2 Trial: PFS by ER-driven disease

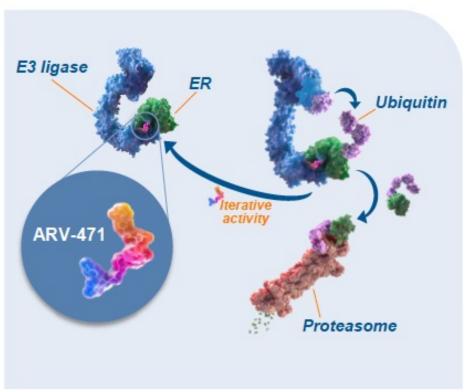


SERENA-2 phase 2 Trial: Changes in ESR1m ctDNA variant allele frequency



- Treatment with camizestrant 75 and 150 mg reduced the level of ESR1m ctDNA to undetectable or near undetectable levels by Cycle 2 Day 1 and maintained this to Cycle 7 Day 1
- Fulvestrant also reduced levels of ESR1m ctDNA, but not to the same extent as camizestrant

ARV-471, a PROTAC estrogen receptor degrader: phase 2 expansion VERITAC ph1/2



Phase 2 cohort expansion (Part B; VERITAC)

Key eligibility criteria

- Histologically or cytologically confirmed ER+ and HER2- advanced breast cancer
- Measurable or nonmeasurable disease per RECIST criteria v1.1
- ≥1 prior endocrine regimen (≥1 regimen for ≥6 months in the locally advanced or metastatic setting)
- ≥1 prior CDK4/6 inhibitor
- ≤1 prior chemotherapy regimen in the locally advanced or metastatic setting

ARV-471 200 mg orally QD^a (n=35)

ARV-471 500 mg orally QD^a (n=36)

Primary endpoint

 CBR (rate of confirmed CR or PR or SD ≥24 weeks)^b

Secondary endpoints

- · ORR, DOR, PFS, and OS
- AEs and laboratory abnormalities
- PK parameters

Exploratory endpoints

- · ESR1 mutational status
- ER protein levels

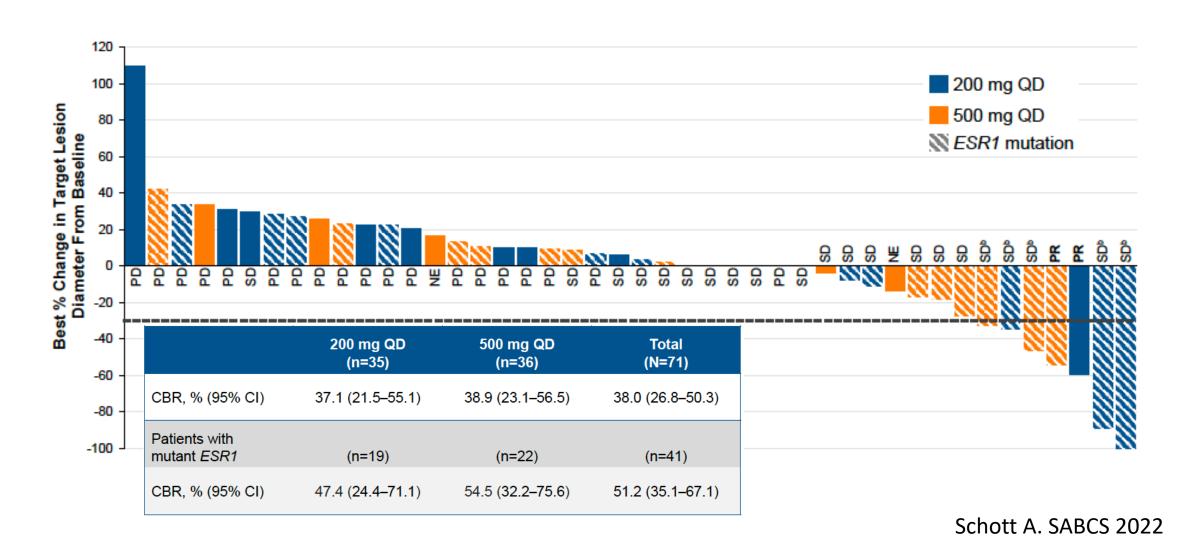
Data cutoff date for this analysis

June 6, 2022

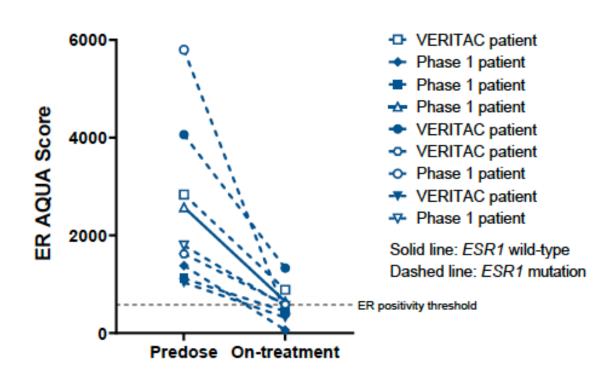
70% prior CDK4/6 inhibitor 60% ESR1 mutant

ARV-71 targets wt and mutant ER
It directly binds an E3 ubiquitin ligase and ER to trigger ubiquitination of ER

VERITAC: Primary Endpoint: Clinical Benefit Rate



VERITAC: ER degradation with 200mg



- Median ER degradation was 69% (range: 28%–95%)
- Mean ER degradation was 71%

PROOF of CONCEPT

VERITAC: Safety

| n (%) | 200 mg QD (n=35) | 500 mg QD (n=36) | Total (N=71) |
|----------------------------|---------------------|---------------------|-----------------|
| TEAEs | | | |
| Any grade | 32 (91) | 30 (83) | 62 (87) |
| Grade 3/4 | 9 (26) | 6 (17) | 15 (21) |
| Grade 5ª | 1 (3) | 0 | 1 (1) |
| Leading to discontinuation | 1 (3) | 2 (6) | 3 (4) |
| Leading to dose reduction | 0 | 3 (8) | 3 (4) |

- Dose reductions due to TEAEs
 - 500-mg QD cohort (to 400 mg QD)
 - ALT increased (n=1)
 - Neutropenia (n=1)
 - Fatigue (n=1)
- Discontinuations due to TEAEs
 - 200-mg QD cohort
 - QT prolongation (n=1)^b
 - 500-mg QD cohort
 - ECG T-wave abnormality (n=1)^c
 - Back pain/spinal cord compression (n=1)

Acute respiratory failure in the setting of disease progression and unrelated to ARV-471 treatment

^bPatient had QT prolongation at baseline, received a concomitant QT-prolonging drug during ARV-471 treatment, and had hypokalemia

Patient had ECG T-wave abnormality at baseline

VERITAC: Safety

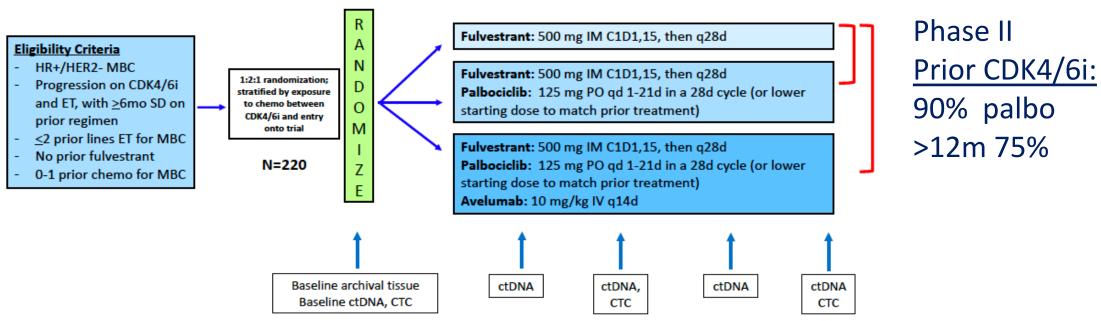
| | 200 mg QD (n=35) | | | 500 r | 500 mg QD (n=36) | | Total (N=71) | | |
|---------------|------------------|------------|---------------|------------|------------------|---------------------------|--------------|------------|--------------|
| n (%) | Grade 1 | Grade 2 | Grade 3/4ª | Grade 1 | Grade 2 | Grade 3/4 ^b | Grade 1 | Grade 2 | Grade 3/4 |
| Any TRAE | 13 (37) | 13 (37) | 2 (6) | 11 (31) | 9 (25) | 3 (8) | 24 (34) | 22 (31) | 5 (7) |
| Fatigue | 8 (23) | 6 (17) | 0 | 7 (19) | 2 (6) | 1 (3) | 15 (21) | 8 (11) | 1 (1) |
| Nausea | 2 (6) | 3 (9) | 0 | 6 (17) | 1 (3) | 0 | 8 (11) | 4 (6) | 0 |
| Arthralgia | 4 (11) | 0 | 0 | 5 (14) | 0 | 0 | 9 (13) | 0 | 0 |
| Hot flush | 6 (17) | 0 | 0 | 1 (3) | 0 | 0 | 7 (10) | 0 | 0 |
| AST increased | 3 (9) | 1 (3) | 0 | 2 (6) | 1 (3) | 0 | 5 (7) | 2 (3) | 0 |

[&]quot;Grade 3/4 TRAEs in the 200-mg QD cohort were grade 3 QT prolonged (n=1; same TEAE that led to discontinuation as shown in the prior slide) and grade 3 thrombocytopenia and grade 4 hyperbilirubinemia (n=1)

^bGrade 3/4 TRAEs in the 500-mg QD cohort were grade 3 fatigue, decreased appetite, and neutropenia (n=1 each)

AST=aspartate aminotransferase; QD=once daily; TEAE=treatment-emergent adverse event; TRAE=treatment-related adverse event

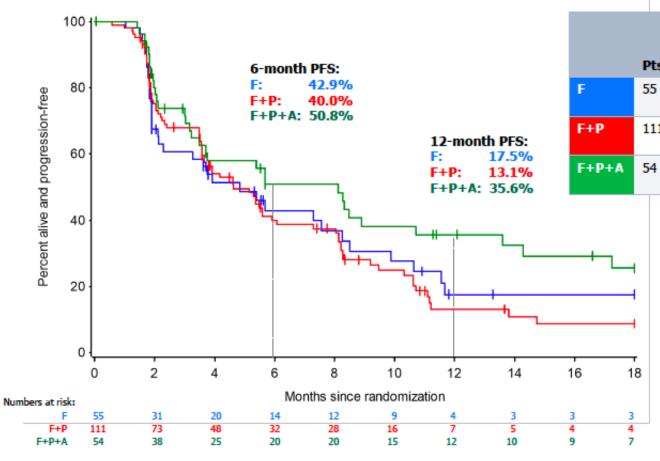
PACE Trial: Palbociclib After CDK and ET



Primary objective: To compare PFS (RECIST-confirmed) for fulvestrant+palbociclib vs. fulvestrant alone

Secondary objectives: To compare PFS for fulvestrant+palbociclib+avelumab vs fulvestrant alone, response endpoints, safety, outcomes in predefined molecular subgroups including ESR1, PIK3CA, and Rb.

PACE Trial: PFS in the ITT



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

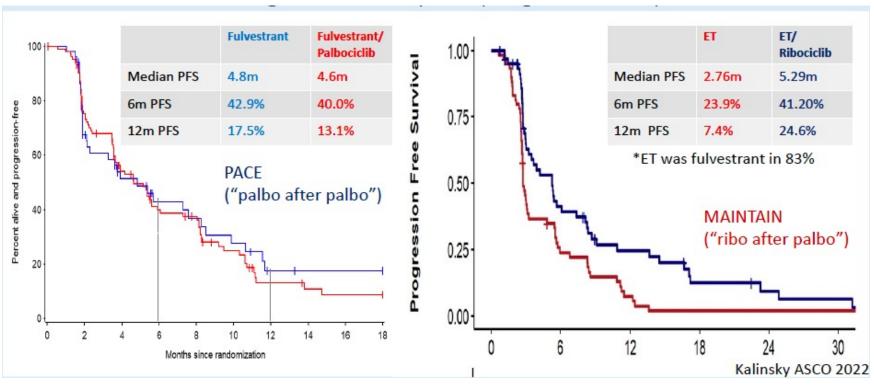
 Δ 3.3 m

PFS not significantly improved

Fulvestrant arm did better than in other trials but some imbalance btw the arms

No added TOX with anti PDL1 which differs to what is seen with anti PD1

CDK4/6i after CDK4/6i



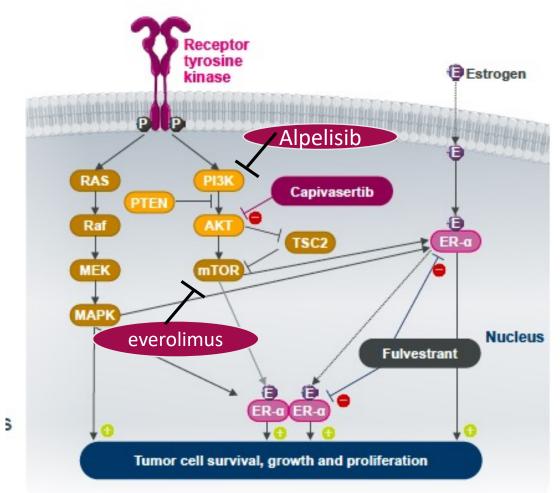
- Small phase 2 trials
- Imbalances btw the arms within the trials
- Ongoing trials: post-monarch, Palmira
- Unclear where this strategy stands in the midst of emerging new combination and drugs

Capivasertib and fulvestrant for patients with Alresistant ER+/HER2- advanced BC: Results from the Phase III CAPItello-291 Trial

- Capivasertib is a potent, selective inhibitor of all three AKT isoforms (AKT1/2/3)
- FAKTION phase II showed improved PFS and OS in an AI-resistant population with a more pronounced benefit in pathway-altered tumors

AKT-pathway blockade

- SOLAR-1 showed an improved PFS with alpelisib + Fulv in AI resistant, PIK3CAm, population largely untreated with CDK4/6i
- BYLieve (single arm ph2) showed activity of alpelisib + fulv after CDK4/6i: 50.4% 6-months PFS rate (median 7.3 mo)

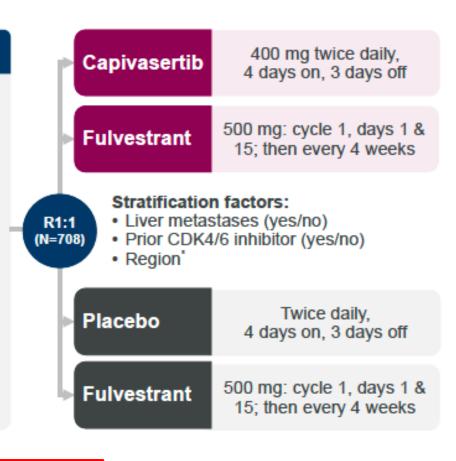


Andre F et al NEJM 2019, Rugo H Lancet oncol 21, SABCS 2022

CAPItello-291 phase 3 trial

Patients with HR+/HER2- ABC

- Men and pre-/post-menopausal women
- Recurrence 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



Dual primary endpoints

PFS by investigator assessment

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

Key secondary endpoints

Overall survival

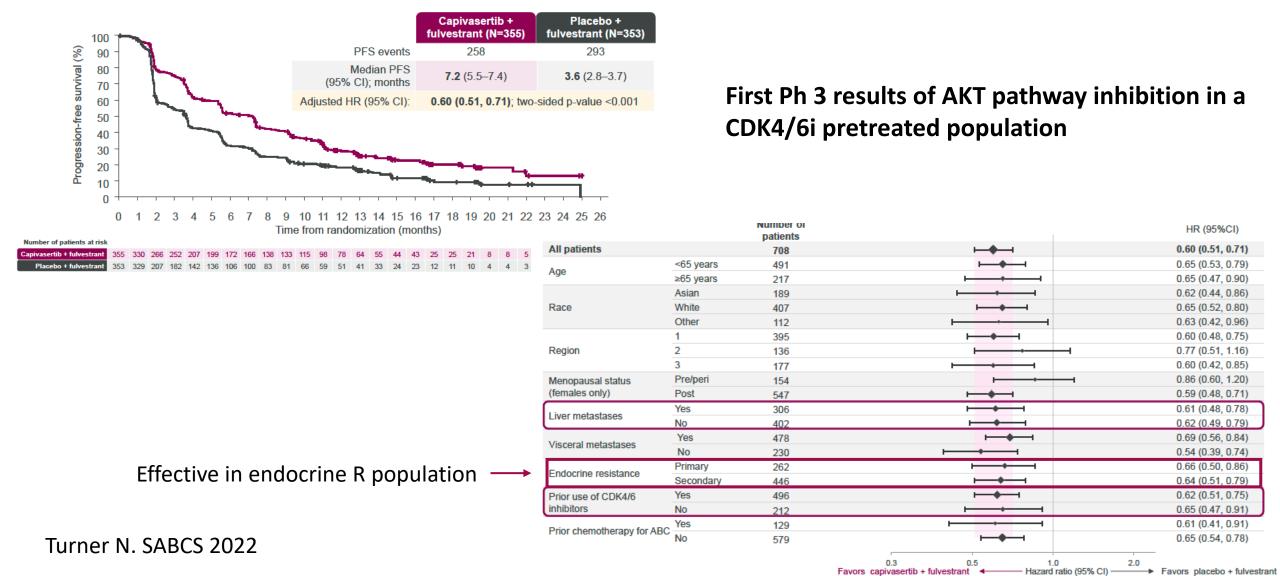
- Overall
- · AKT pathway-altered tumors

Objective response rate

- Overall
- · AKT pathway-altered tumors

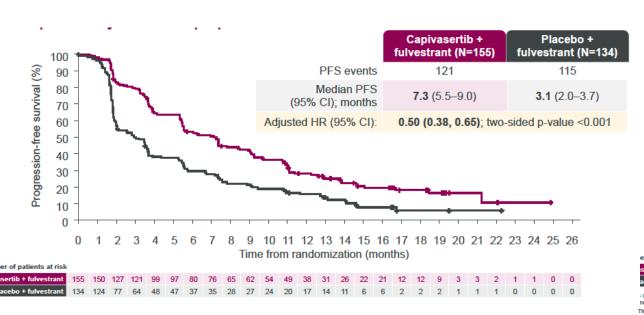
70% received prior CDK4/6 inhibitors 18% received prior CT in the advanced setting

CAPItello-291: Primary endpoint investigator-assessed PFS in overall population

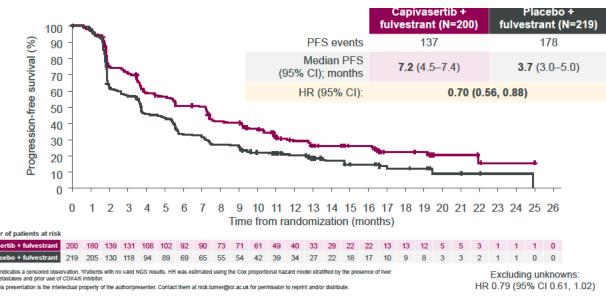


CAPItello-291: Primary endpoint investigator-assessed PFS in the AKT pathway altered population

AKT pathway altered (Primary endpoint)

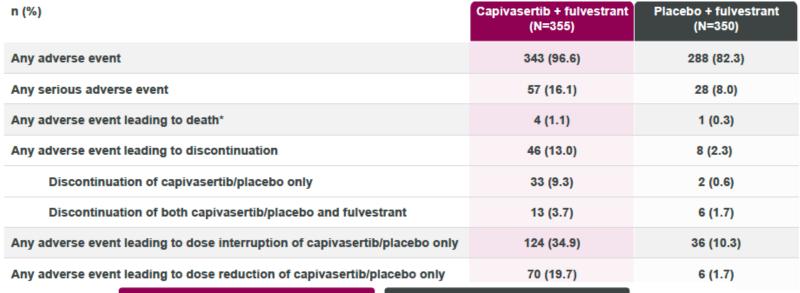


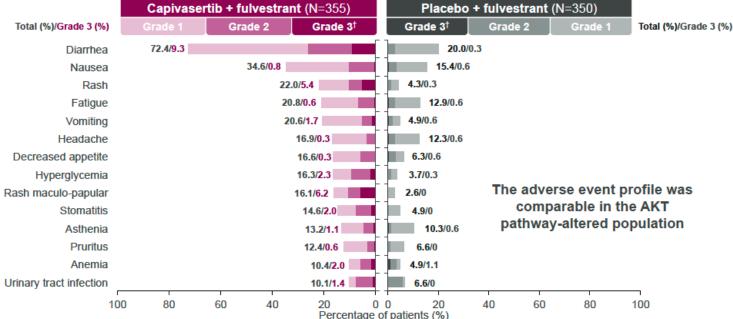
AKT pathway non-altered (exploratory)



CAPItello was not a biomarker driven trial with comparison btw AKT pathway altered and unaltered tumours

CAPItello-291: Safety

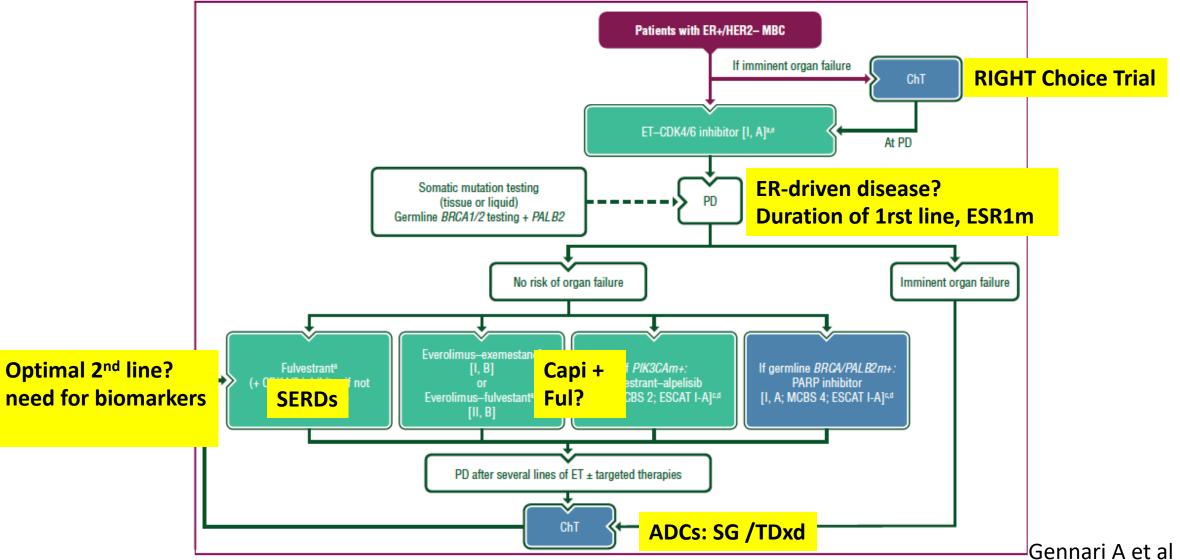




SOLAR-1- alpelisib AE
(all grade/grade3)
Diarrhea 60%, 7%
Nausea 45%,2.5%
Rash 36%,10%
Vomiting 77%,2%
Hyperglycemia 63%,33%
Stomatitis 24%,2.5%

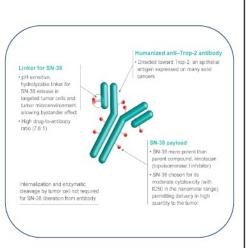
Capivasertib seems to be better tolerated than alpelisib

ER+ HER2 "negative" disease



ESMO guidelines 2021

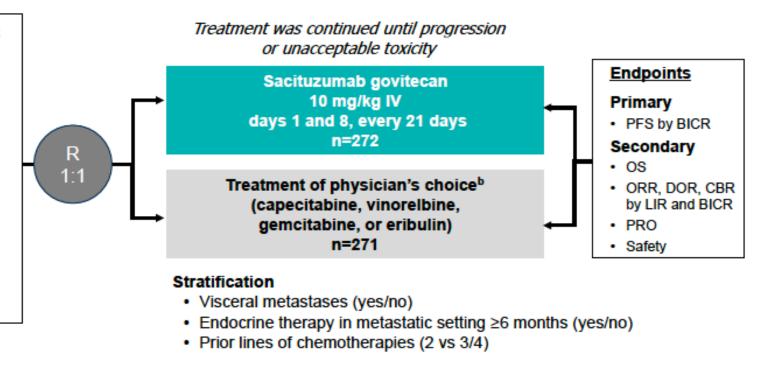
TROPiCS-02 trial: Sacituzumab Govitecan vs TPC Report of outcome by Trop-2 expression (exploratory analysis)



Metastatic or locally recurrent inoperable HR+/HER2- breast cancer that progressed after^a

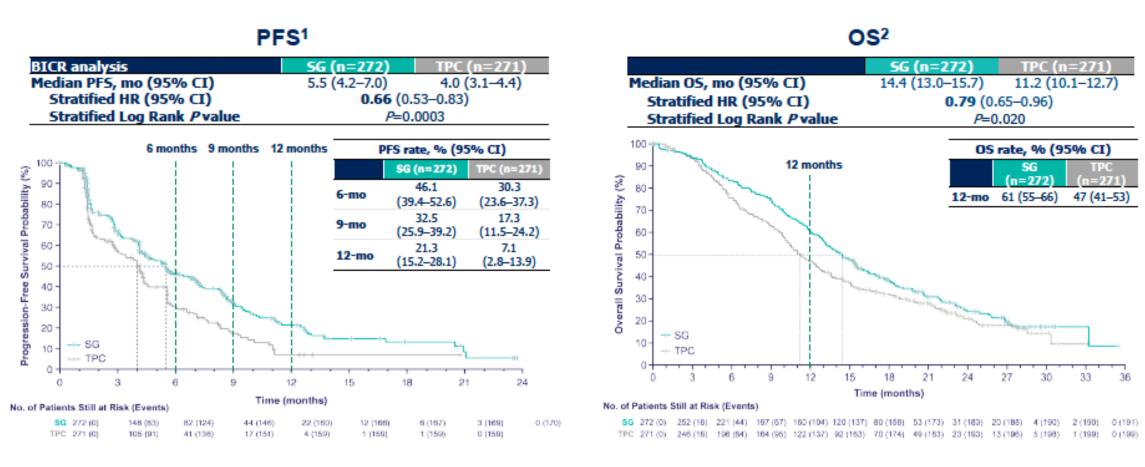
- At least 1 endocrine therapy, taxane, and CDK4/6 inhibitor in any setting
- At least 2, but no more than 4, lines of chemotherapy for metastatic disease
- Measurable disease by RECIST 1.1

N=543



Trop-2 expression was not an eligibility criteria and was not a stratification factor
Trop-2 membrane expression was determined on primary or M+ biopsy and was scored (H-score)

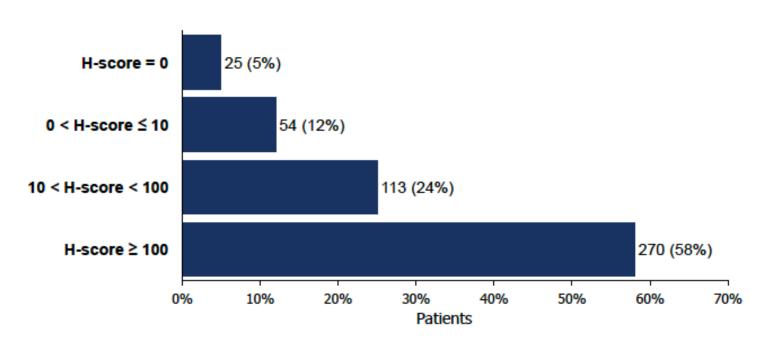
TROPICS-02 Trial: Previous Results

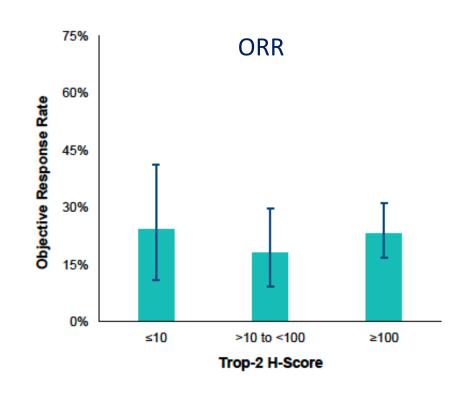


Rugo H. JCO 2022

Rugo H. ESMO 2022

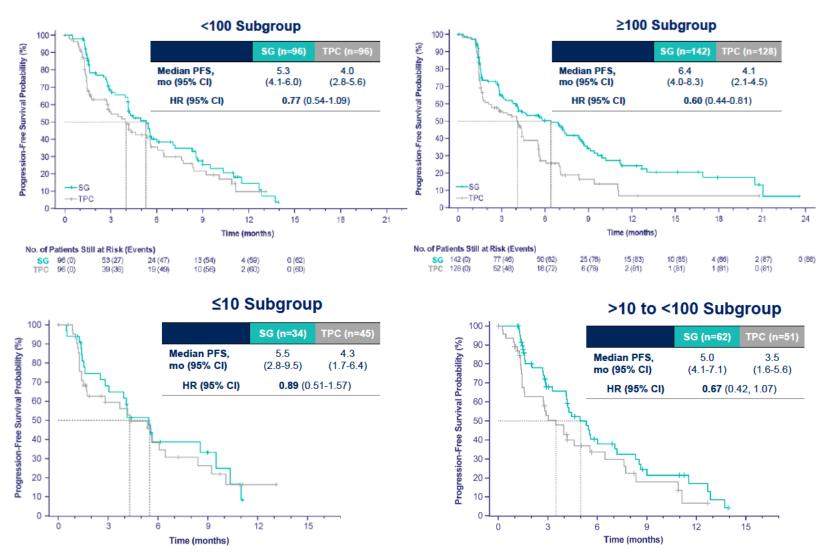
TROPiCS-02 Trial: Trop-2 expression and ORR





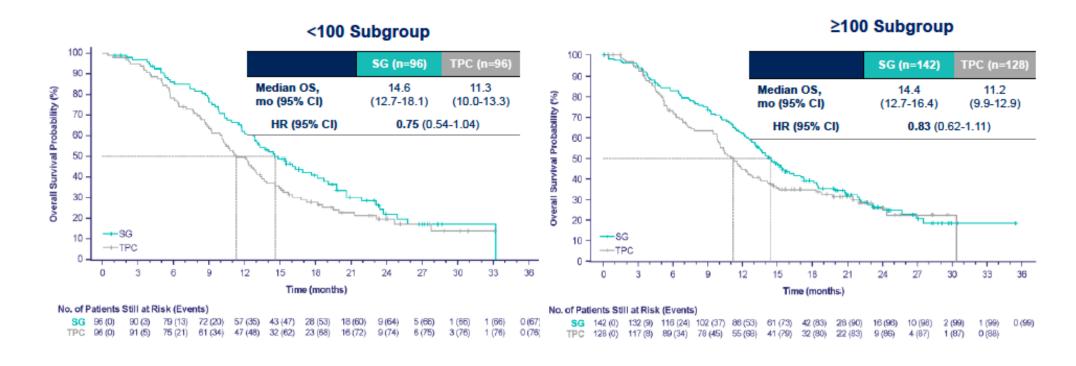
Expression observed in 95% of evaluable samples

TROPiCS-02 Trial: PFS by Trop-2 H-Score



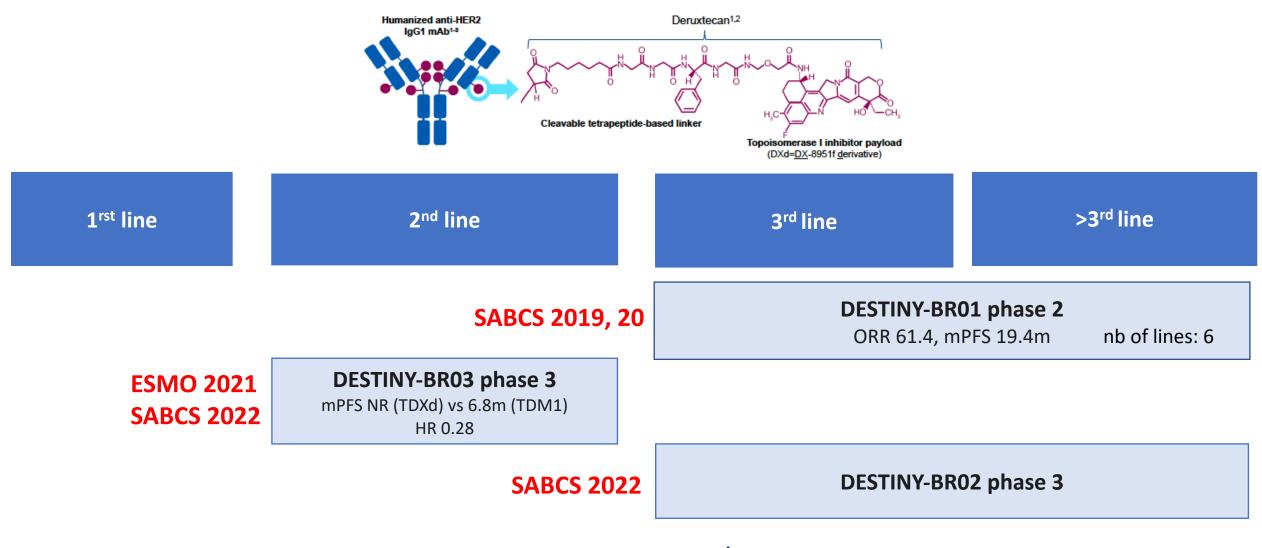
PFS outcome favoured SG in all subgroups including in very low Trop-2 expression (H-Score≤10) Trop-2 expression was not demonstrated to be a predictive biomarker for SG efficacy

TROPiCS-02 Trial: OS by Trop-2 H-Score



OS outcome favoured SG in both subgroups including in very low Trop-2 expression (H-Score≤10) Trop-2 expression was not demonstrated to be a predictive biomarker for SG efficacy and should therefore not be tested before treatment

HER2+ MBC - Trastuzumab Deruxtecan - Background



Trastuzumab Deruxtecan (T-DXd) is a standard for 2nd line HER2+ MBC based on DESTINY-BR03 results presented at ESMO 2021

DESTINY-Breast02: phase 3 T-DXd vs TPC in MBC previously treated by T-DM1

Key eligibility criteria^a

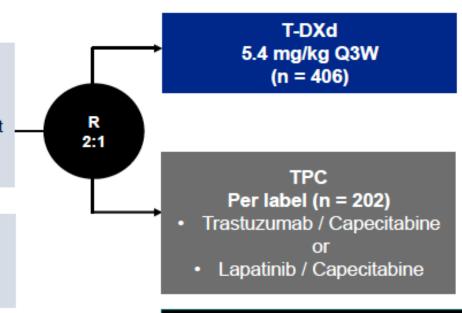
- Centrally confirmed HER2-positive (IHC 3+ or IHC 2+/ISH+) unresectable or metastatic breast cancer
- Documented radiographic progression after most recent treatment
- Previously treated with T-DM1

Stratification factors

- Hormone receptor status
- Prior treatment with pertuzumab
- History of visceral disease

Prior therapy for MBC

100% received prior trastuzumab100% received prior T-DM178% received prior pertuzumab6% received prior TKIMedian lines of prior treatment: 2



Primary endpoint

PFS (BICR^b)

Key secondary endpoint

OS

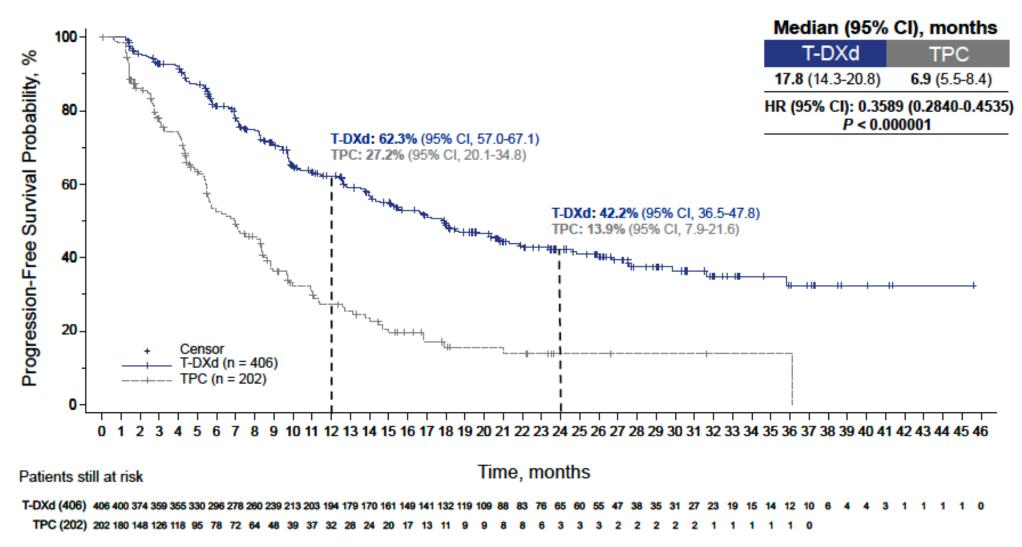
Secondary endpoints

- ORR (BICRb)
- DoR (BICRb)
- PFS (investigator)
- Safety

Exploratory endpoints

- CBR (BICRb)
- PFS2^c (investigator)

DESTINY-Breast02: Primary Endpoint – PFS by BICR

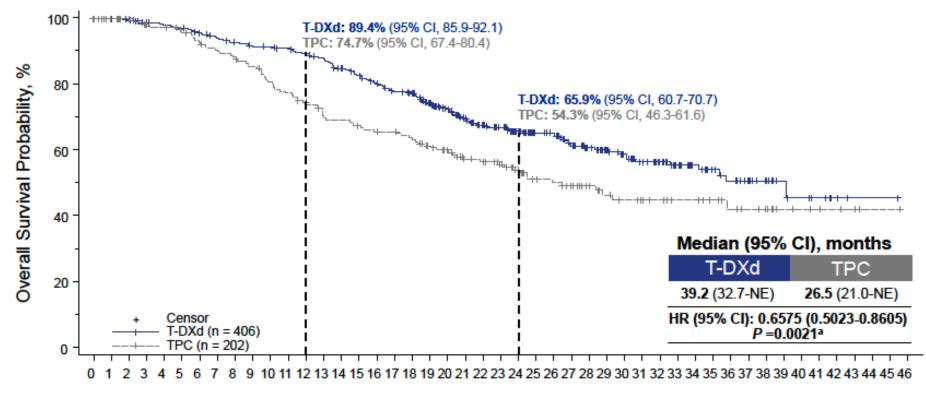


DESTINY-Breast02: PFS by Subgroups

| | | Number of Events | | Median PFS, mo (95% CI) | | | HR (95% CI) |
|--|---------------------|----------------------|---------|-------------------------|----------------|-------------|----------------------------|
| | | T-DXd | TPC | T-DXd | TPC | | |
| All patients | | 200/406 | 125/202 | 17.8 (14.3-20.8) | 6.9 (5.5-8.4) | ⊢ | 0.36 (0.28-0.45) |
| Age | <65 | 160/321 | 101/164 | 17.9 (14.1-20.8) | 7.1 (5.5-8.6) | ₩ | 0.37 (0.29-0.48) |
| | ≥65 | 40/85 | 24/38 | 16.8 (12.7-NE) | 6.7 (4.3-8.4) | ├ | 0.39 (0.23-0.65) |
| Hormone receptor status | Positive | 115/238 | 71/118 | 18.0 (15.1-21.3) | 8.5 (6.5-10.0) | ⊢ | 0.42 (0.31-0.57) |
| | Negative | 84/165 | 53/83 | 17.0 (12.3-24.6) | 5.3 (4.3-6.7) | ⊢ | 0.31 (0.22-0.45) |
| Prior pertuzumab treatment ^a | Yes | 155/318 | 95/156 | 17.8 (14.0-20.8) | 6.2 (5.0-8.4) | ⊢ | 0.38 (0.29-0.49) |
| | No | 45/88 | 30/46 | 18.0 (13.9-26.7) | 8.3 (5.5-12.6) | ─ | 0.37 (0.23-0.60) |
| Visceral disease ^a | Yes | 164/316 | 98/160 | 15.6 (12.8-20.3) | 5.7 (5.3-7.2) | ⊢ | 0.36 (0.28-0.46) |
| | No | 36/90 | 27/42 | 29.8 (16.8-NE) | 9.8 (6.2-12.6) | | 0.39 (0.23-0.64) |
| Baseline brain metastases | Yes | 44/74 | 20/36 | 13.9 (11.1-18.0) | 5.6 (3.3-8.1) | ⊢ | 0.35 (0.20-0.61) |
| | No | 156/332 | 105/166 | 18.7 (15.1-24.8) | 7.1 (5.5-8.6) | ⊢ | 0.38 (0.29-0.48) |
| Prior lines of therapy ^b | <3 | 105/212 | 66/104 | 16.6 (13.8-24.6) | 7.0 (4.6-8.6) | ⊢ | 0.35 (0.26-0.49) |
| | ≥3 | 95/194 | 59/98 | 18.2 (14.3-22.0) | 6.9 (5.5-8.8) | ⊢ | 0.41 (0.29-0.57) |
| ECOG PS | 0 | 101/228 | 75/121 | 24.6 (15.3-31.6) | 8.1 (5.7-9.7) | ⊢ | 0.36 (0.27-0.50) |
| | 1 | 98/177 | 50/81 | 15.1 (11.5-18.0) | 5.4 (4.3-7.5) | ⊢ | 0.37 (0.26-0.53) |
| ECOG PS, Eastern Cooperative Oncology Grou | ip performance stat | us: HR. hazard ratio | o: | | | 0.1 (log | 0 2.0 J ₁₀) |

T-DXd better TPC better

DESTINY-Breast02: Secondary Endpoint - OS



Patients still at risk

Time, months

In the TPC arm

- 69.3% (140/202) of patients received a new systemic anticancer treatment
- 25.7% (52/202) of patients received T-DXd in the post-trial setting

DESTINY-Breast02: Safety

Adverse Events of Special Interest: ILD and LV Dysfunction

| Adjudicated as Drug-related ILD ^a | | | | | | | |
|--|----------|----------|---------|---------|---------|-----------|--|
| n (%) | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 | Any Grade | |
| T-DXd (n = 404) | 11 (2.7) | 26 (6.4) | 3 (0.7) | 0 | 2 (0.5) | 42 (10.4) | |
| TPC (n = 195) | 0 | 0 | 1 (0.5) | 0 | 0 | 1 (0.5) | |

Median time to onset of adjudicated drug-related ILD was 209.5 days (range, 41-638 days)
 with T-DXd

LV dysfunction^b

- In the T-DXd arm, 18 (4.5%) patients experienced an LV dysfunction event^c
 - 2 (0.5%) patients had a grade ≥3 event
- In the TPC arm, 3 (1.5%) patients experienced an LV dysfunction^d
 - 1 (0.5%) patient had a grade ≥3 event

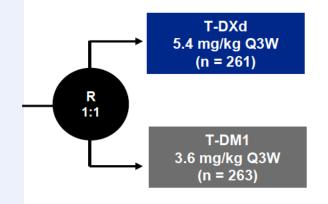
DESTINY-Breast03: ESMO 2021

Patients

- Unresectable or metastatic HER2-positive^a breast cancer
- Previously treated with trastuzumab and taxane in advanced/metastatic setting^b
- Could have clinically stable, treated brain metastases

Stratification factors

- · Hormone receptor status
- Prior treatment with pertuzumab
- History of visceral disease



Primary endpoint

· PFS (BICR)

Key secondary endpoint

OS

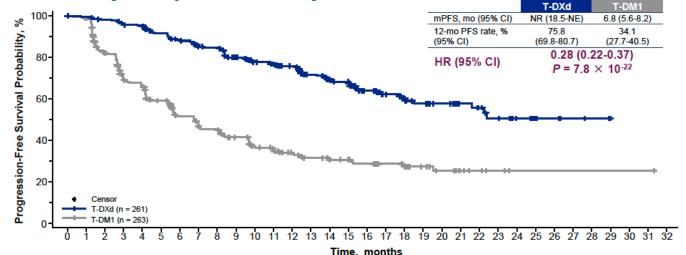
Secondary endpoints

- ORR (BICR and investigator)
- DOR (BICR)
- PFS (investigator)
- Safety

Prior therapy for MBC

100% received prior trastuzumab 60% received prior pertuzumab 15% received other HER2 agents Median lines of prior treatment: 2

Primary Endpoint: PFS by BICR



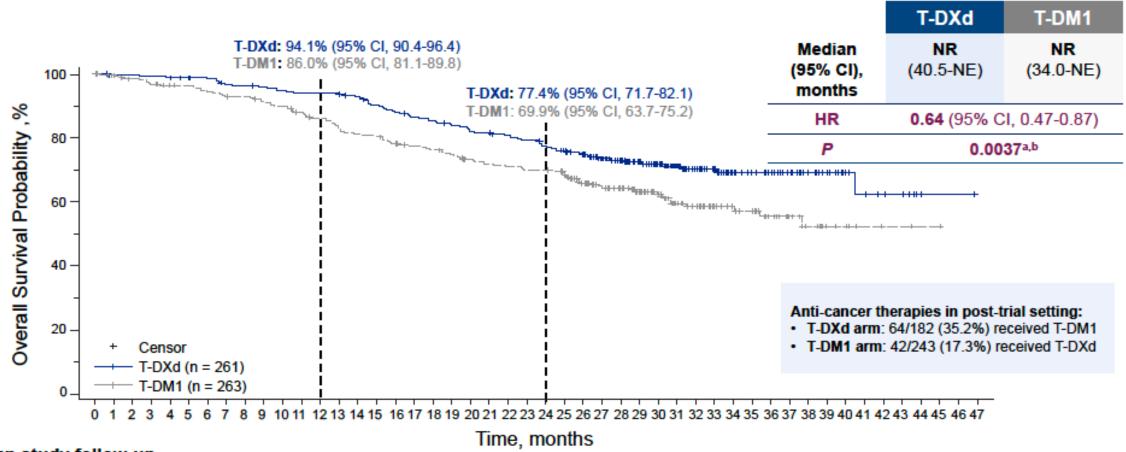
First results: median FU 15 months

atients Still at Risk:

T-DXd (261) 261 256 250 244 240 224 214 202 200 183 168 164 150 132 112 105 79 64 53 45 36 29 25 19 10 6 5 3 2 0

T-DM1 (263) 263 252 200 163 155 132 108 96 93 78 65 60 51 43 37 34 29 23 21 16 12 8 6 4 1 1 1 1 1 1 1 1 1

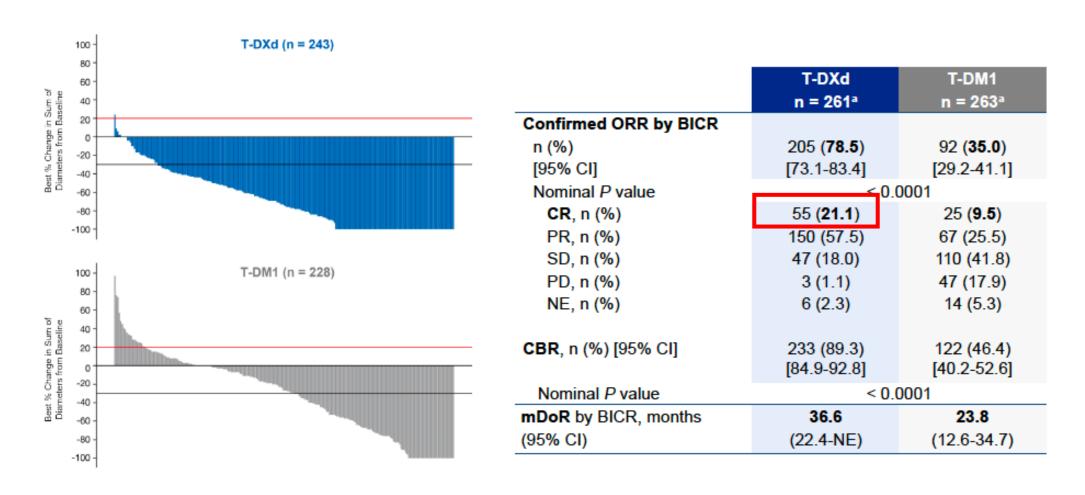
DESTINY-Breast03: updated results Key Secondary Endpoint: OS



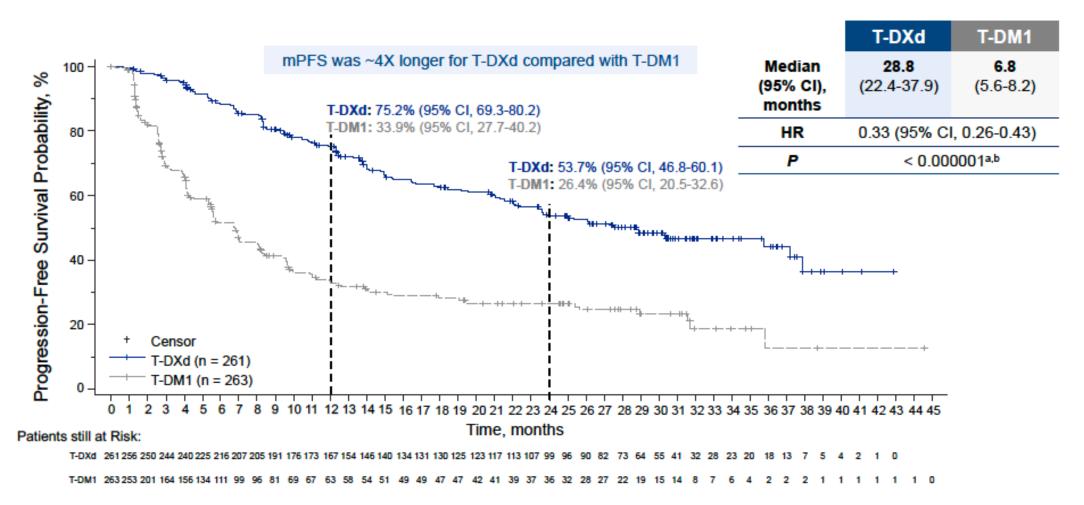
Median study follow-up

- T-DXd arm: 28.4 months (range, 0.0-46.9 months)
- T-DM1 arm: 26.5 months (range, 0.0-45.0 months)

DESTINY-Breast03: confirmed ORR and other Efficacy Endpoints



DESTINY-Breast03: updated primary endpoint PFS by BICR



DESTINY-Breast03:PFS 2 and Post-study Anticancer Treatment

| | T-DXd | T-DM1 | | | |
|--|------------------------------|------------------|--|--|--|
| | n = 261 | n = 263 | | | |
| Median PFS2 by investigator, a mo (95% CI) | 40.5 (40.5-NE) | 25.7 (18.5-34.0) | | | |
| | HR, 0.47 (95% CI, 0.35-0.62) | | | | |
| Patients who discontinued treatment, n (%) | 182 (70.8) | 243 (93.1) | | | |
| Any post-study anticancer treatment, n (%) | 130 (71.4) | 191 (78.6) | | | |
| Trastuzumab | 43 (23.6) | 90 (37.0) | | | |
| T-DXd | 3 (1.6) | 42 (17.3) | | | |
| T-DM1 | 64 (35.2) | 24 (9.9) | | | |
| Pertuzumab | 15 (8.2) | 28 (11.5) | | | |
| Taxane | 13 (7.1) | 32 (13.2) | | | |
| Taxane and trastuzumab | 7 (3.8) | 28 (11.5) | | | |
| Other anti-HER2 ^c | 39 (21.4) | 88 (36.2) | | | |
| Anti-HER2 TKI | 38 (20.9) | 87 (35.8) | | | |
| Other anti-HER2 antibody or ADC | 1 (0.5) | 4 (1.6) | | | |
| Hormone therapy | 25 (13.7) | 30 (12.3) | | | |
| Other systemic therapy | 75 (41.2) | 147 (60.5) | | | |

DESTINY-Breast03: Updated Safety summary

Lung toxicity

ILD in 15% (Esmo 21 : 10.5%)

| | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 | Any grade |
|------------------------|----------|-----------|---------|---------|---------|-----------|
| T-DXd (n = 257) | 11 (4.3) | 26 (10.1) | 2 (0.8) | 0 | 0 | 39 (15.2) |
| T-DM1 (n = 261) | 4 (1.5) | 3 (1.1) | 1 (0.4) | 0 | 0 | 8 (3.1) |



Take Home from SABCS 22 for ER+HER-MBC

- CDK4/6 inhibitors should be considered in all 1rst line ER+HER2- MBC
- in 2nd line
 - SERDs have a place beyond CDK4/6i but not for all and the population with ESR1m + prolonged benefit to CDK4/6i (>12m) seems to derive the most benefit.
 - **AKT pathway inhibition** has a place after CDK4/6i. Benefit seen in CDK4/6i short responders. Biomarkers?
 - CDK4/6i after CDK4/6i data are still too weak for the clinic. Which partner needs switching?



Take Home from SABCS for HER2+ MBC

- Trastuzumab Deruxtecan confirms positive clinical impact in PFS and OS in HER2+MBC from the second line onwards.
- ILD remains a concern. Screening guidelines and continuous education of the oncology teams should be implemented.