

3°Edizione

I tumori femminili

Dal gene profiling alla terapia personalizzata

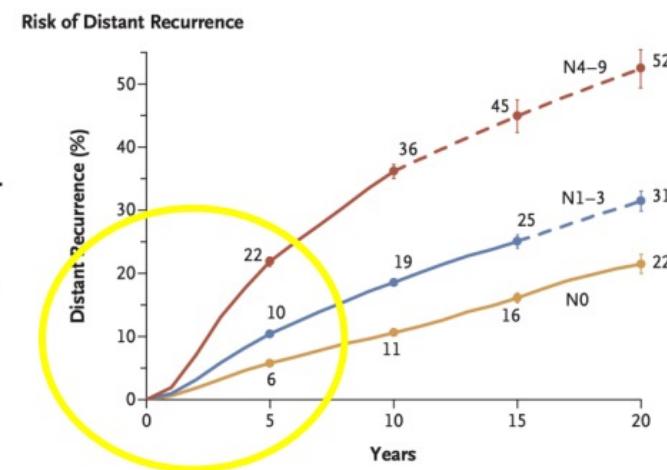
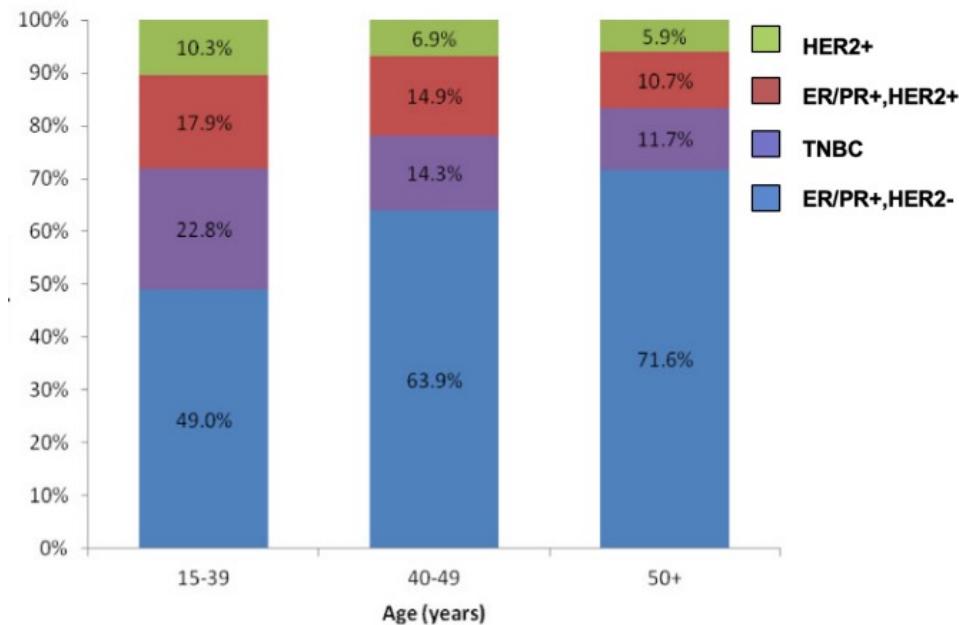
**22-23
Novembre
2023**

**Casale Monferrato, AL
Hotel Candiani**

Dott.ssa Silvia Beatrice

**Inibitori delle cicline e non solo:
dall'adiuvante all'avanzato**

Breast Cancer Incidence by Subtype

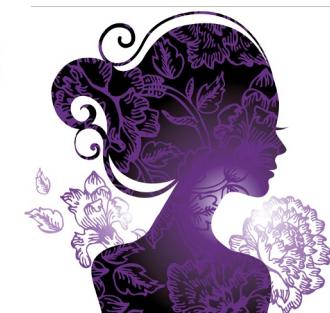


No. at Risk	Year 0	Year 5	Year 10	Year 15	Year 20
N4-9	12,333	8,116	2165	259	52
N1-3	31,936	23,576	7250	949	183
N0	29,925	24,081	8571	1982	414

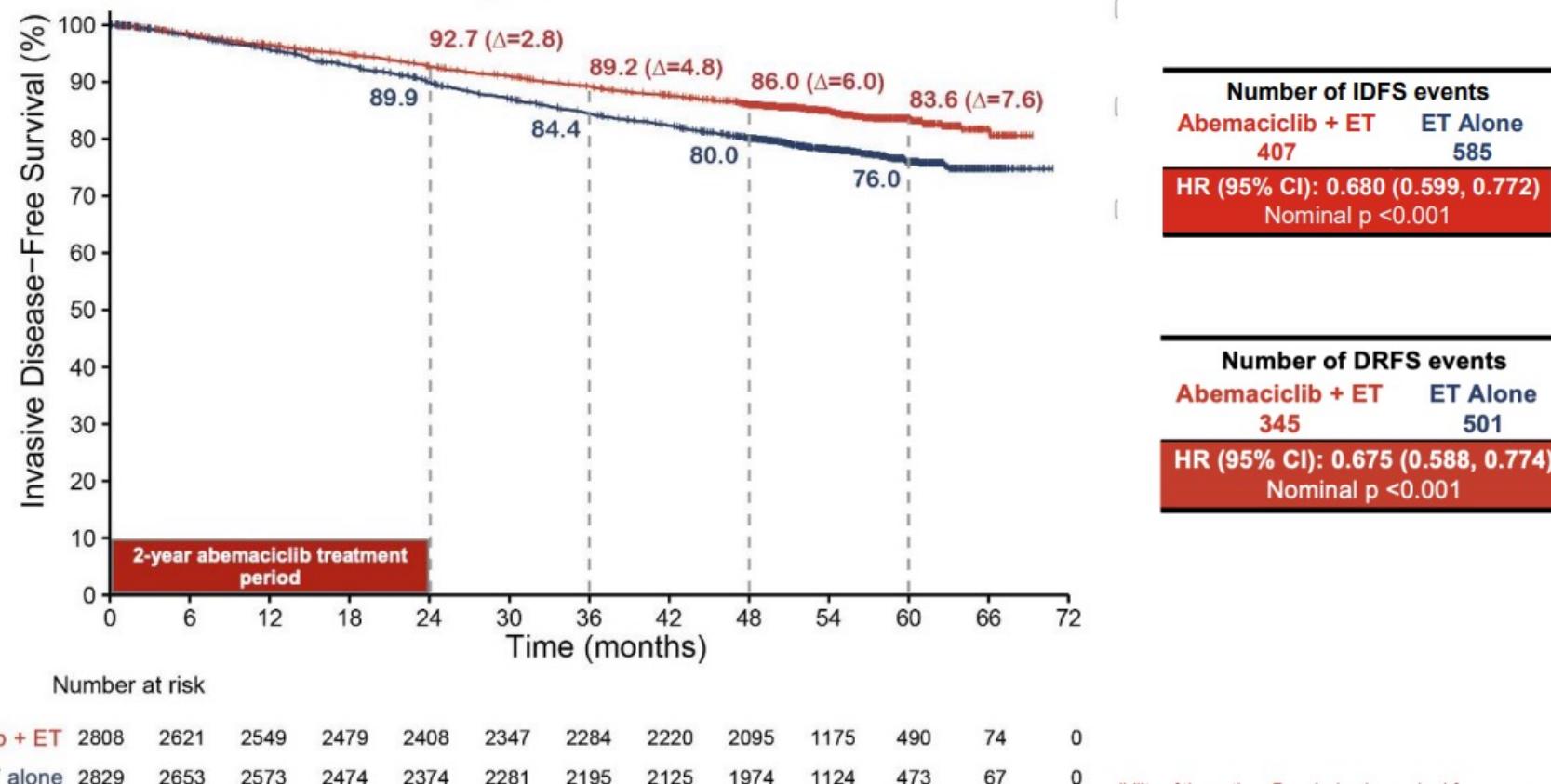
No. of Events — annual rate (%)	Year 0	Year 5	Year 10	Year 15	Year 20
N4-9	2568 (4.8)	969 (4.0)	121 (3.1)	13 (2.2)	
N1-3	3126 (2.2)	1421 (1.9)	241 (1.7)	39 (1.8)	
N0	1646 (1.2)	835 (1.1)	272 (1.3)	68 (1.4)	

Keegan et al, BCR 2012; Pan et al, NEJM 2017

What else can we do for patients with high risk, ER+ breast cancer?



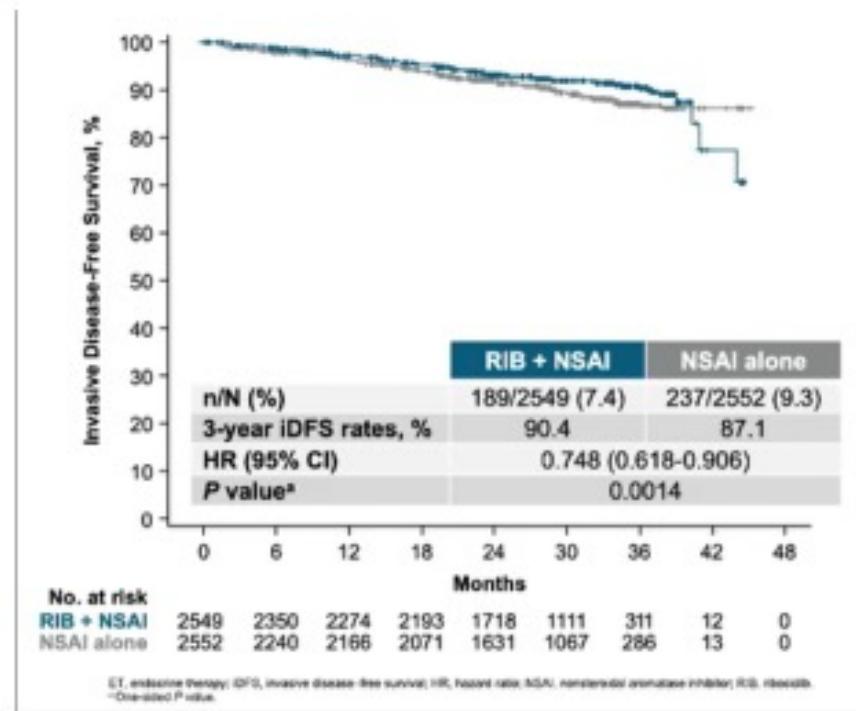
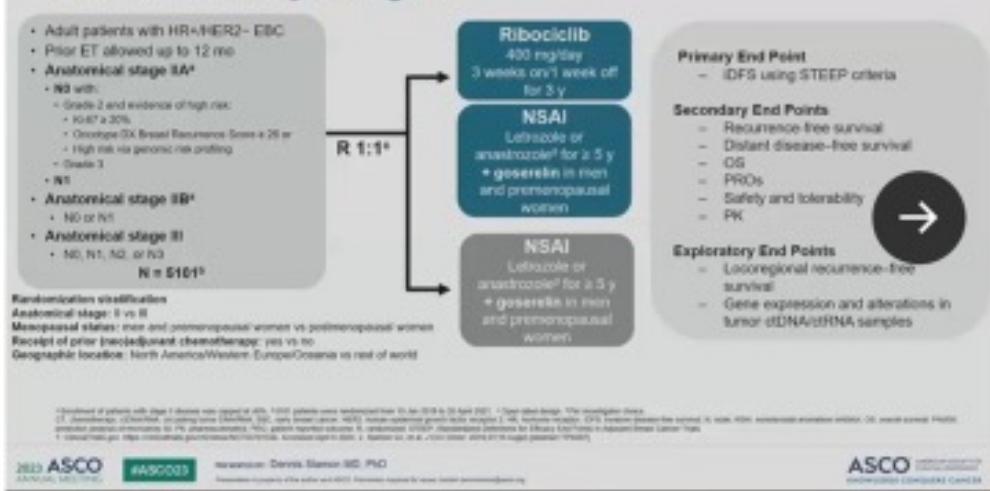
Sustained Benefits at 5 years in monarchE IDFS & DRFS



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Harbeck et al, LBA 17, ESMO 2023



NATALEE study design^{1,2}



The NATALEE results support ribociclib + ET as the treatment of choice in a broad population of pts with stage II or III EBC including pts with NO

monarchE and NATALEE: IDFS Rate

monarchE (n=5607)

5 year IDFS Rate

Δ 7.6% (HR: 0.68, 0.60-0.77, p<0.001)

NATALEE (n=5101)

3 year IDFS Rate

Δ 3.3% (HR: 0.75, 0.62-0.91, p=0.0014)

Adjuvant CDK4/6i tx substantially improves EFS in eBC

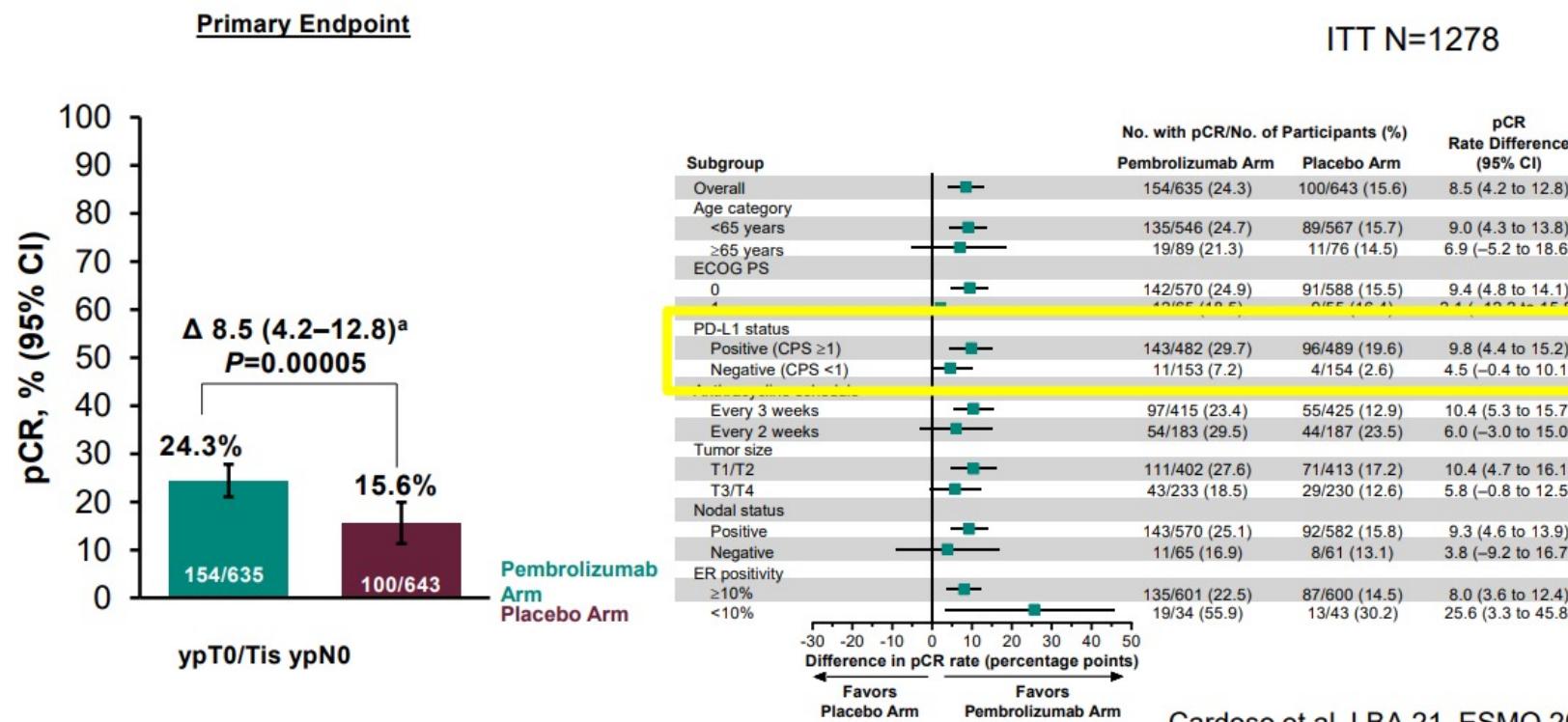
- All subgroups benefit including by Ki67, ER, PR
Goetz et al, ESMO 2023; Bardia et al, ESMO 2023
- Adjuvant abema approved
- Await ribo approval (NATALEE follow-up pending)
- Await OS data and many other unanswered questions
 - Replace chemotherapy?
 - Adherence in real world?

ate: Δ 2.2%

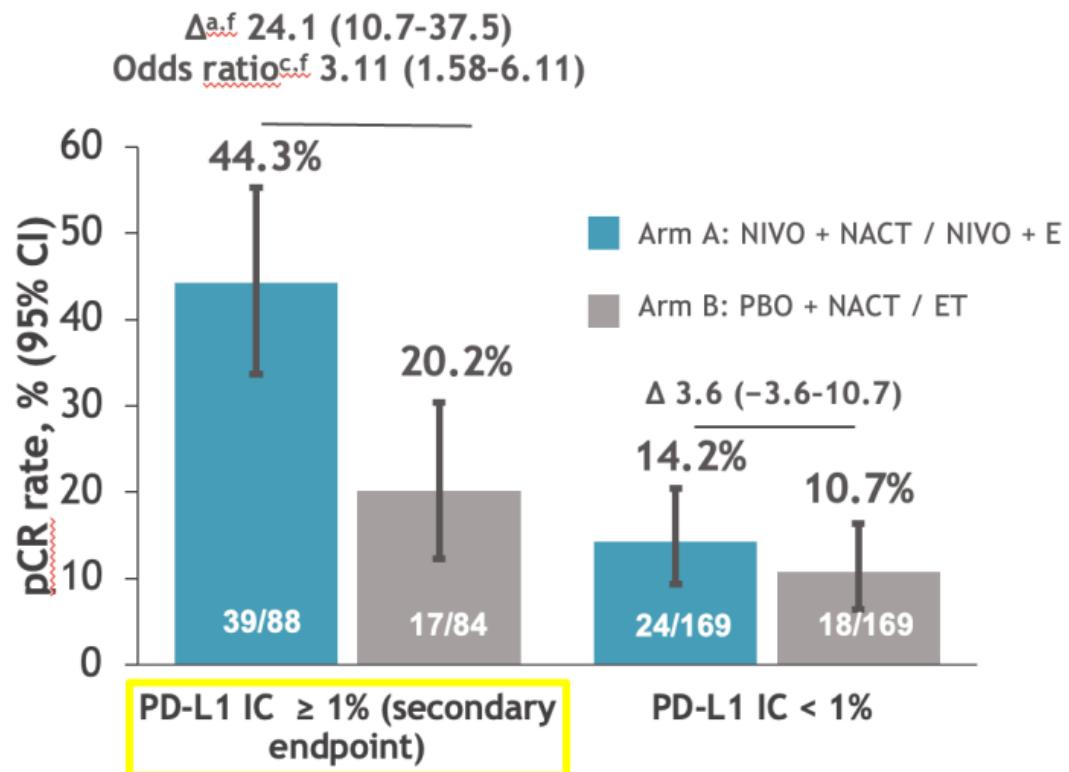
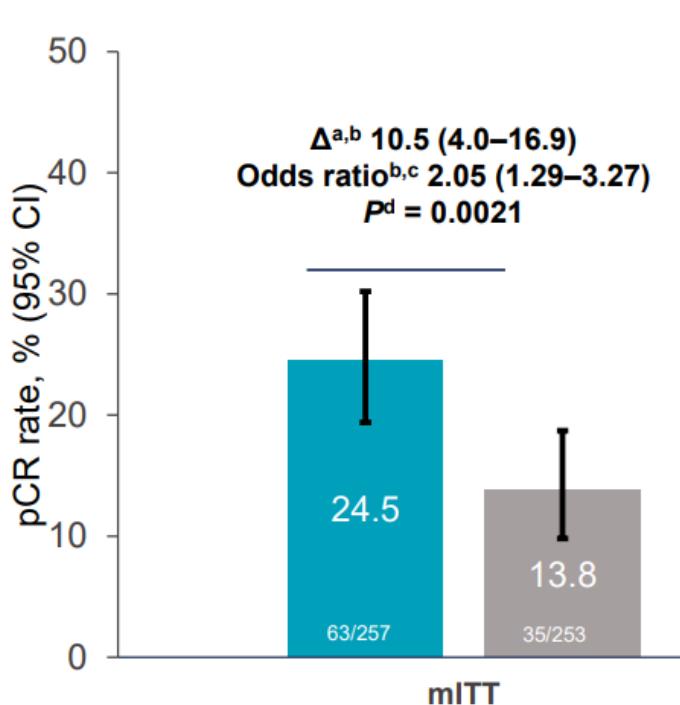


What about ICI's in ER+ Disease?

KEYNOTE-756- Pathological Complete Response (pCR) Rate



CheckMate-7FL Pathological Complete Response (pCR) Rate

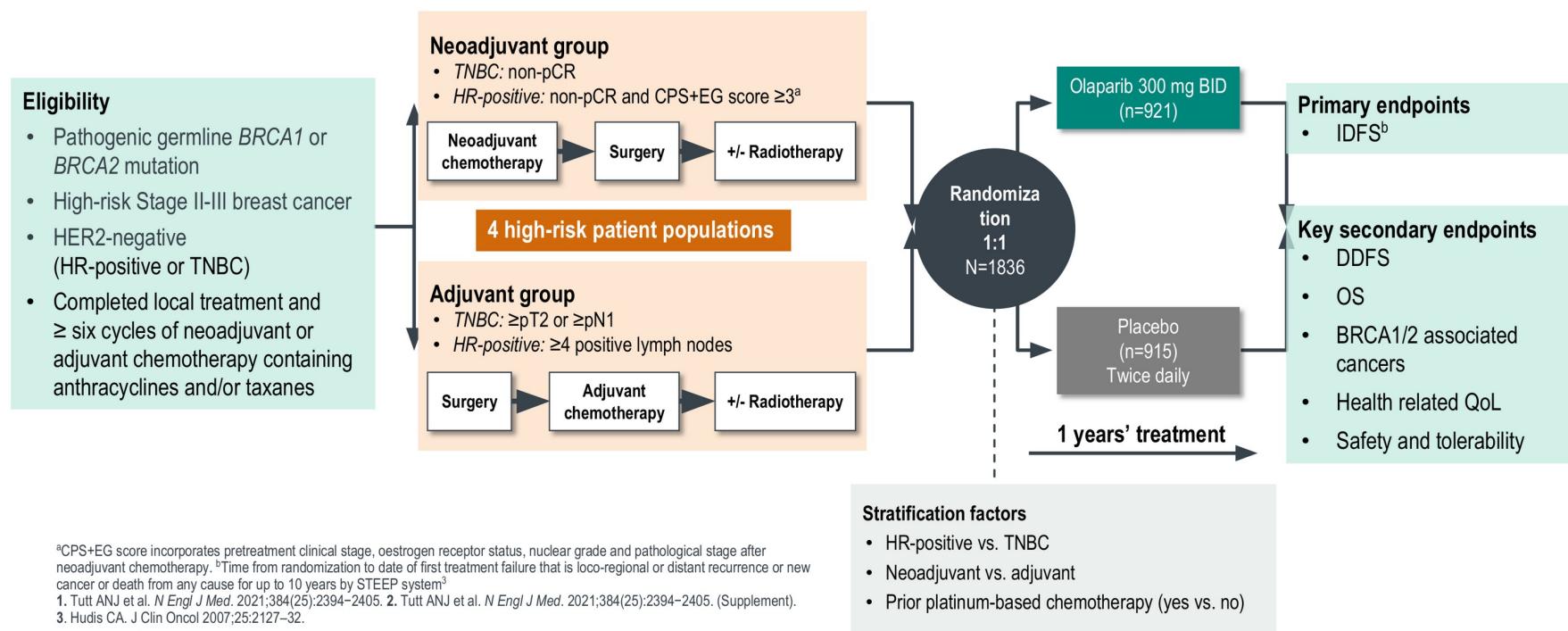


Loi et al, LBA 20, ESMO 2023

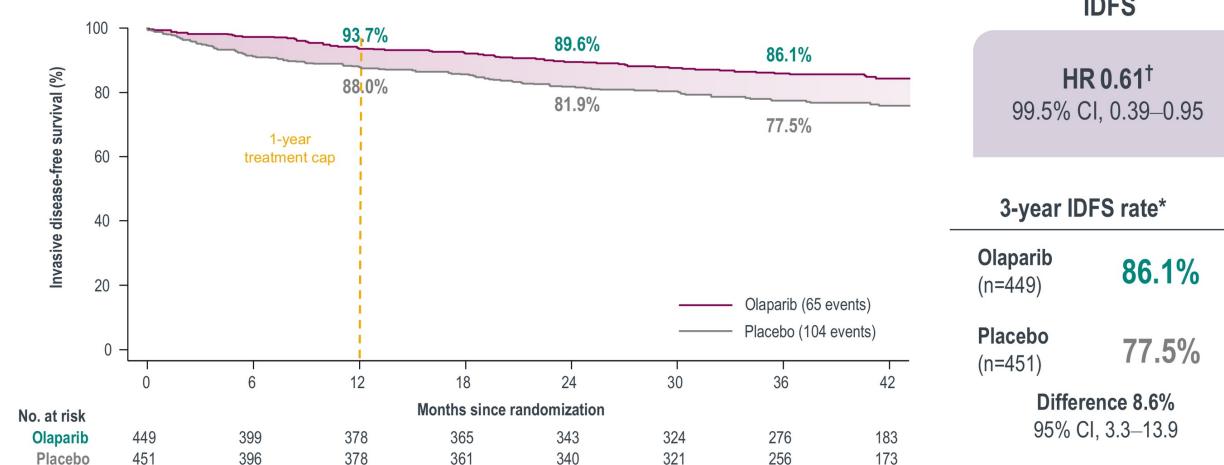


What about PARP inhibitors in ER + disease?

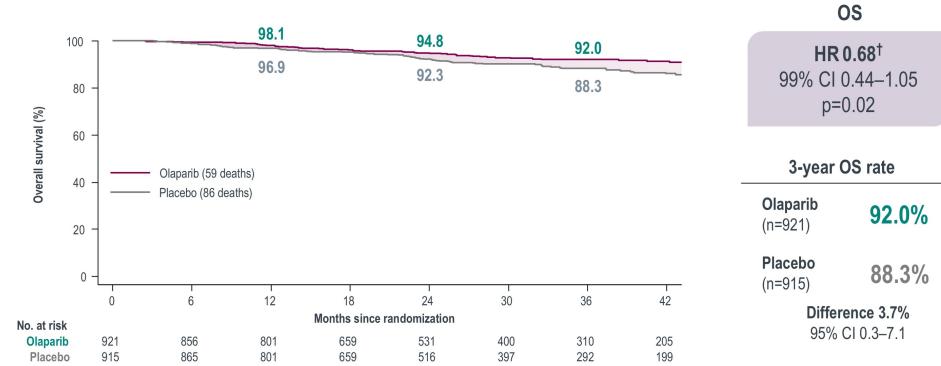
OlympiA Study Design^{1,2}



Primary Endpoint: Invasive Disease-Free Survival (Mature Cohort)

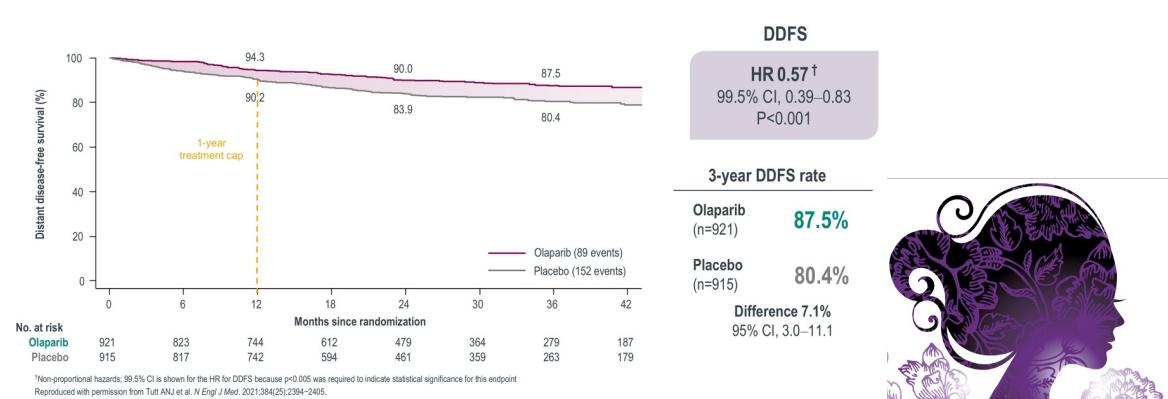


Secondary Endpoint: Overall Survival

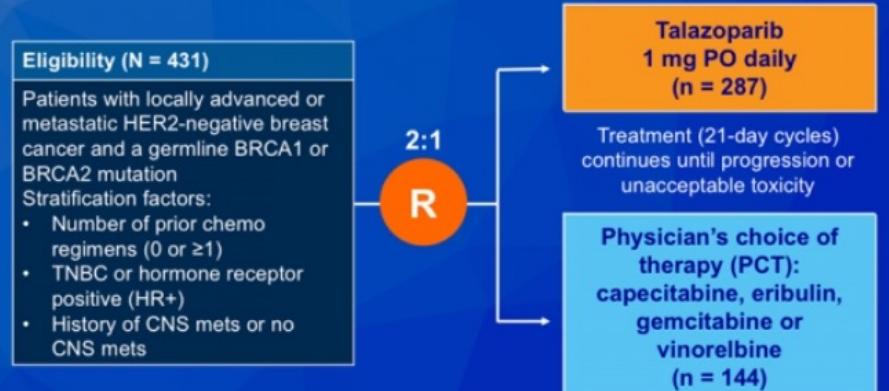


Difference in OS did not achieve the threshold for statistical significance in the pre-specified multiple testing procedure

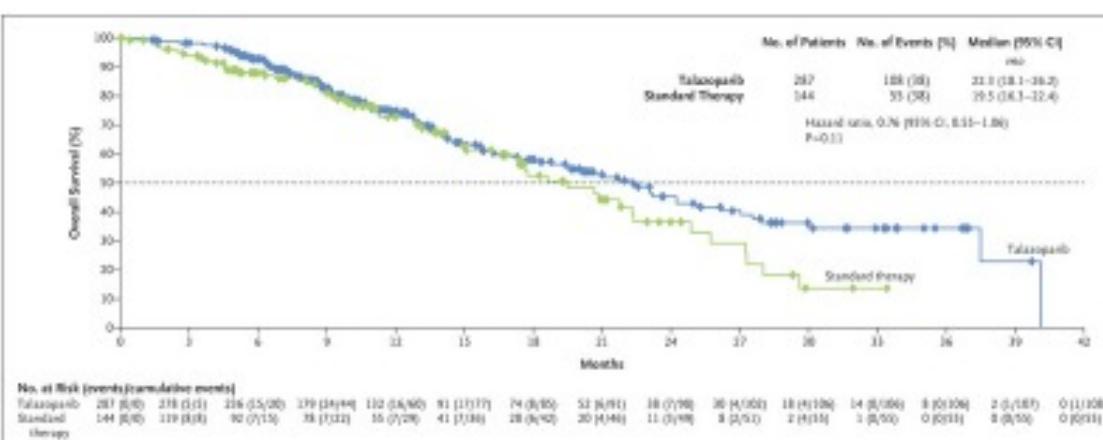
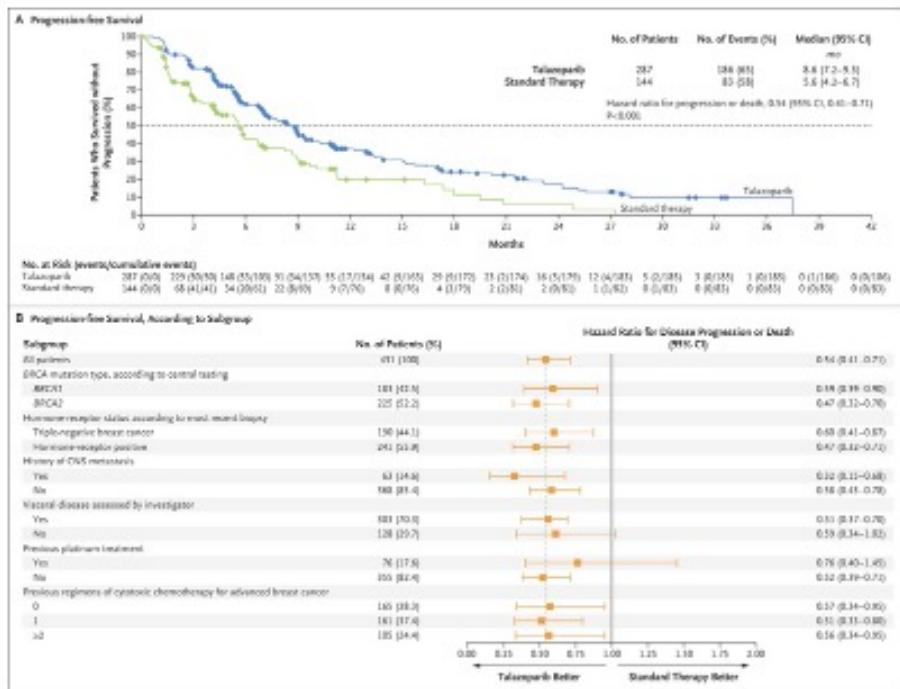
Secondary Endpoint: Distant Disease-Free Survival



EMBRACA: Phase III Trial Design



Litton JK et al. *N Engl J Med* 2018;379(8):753-63; Litton J et al. San Antonio Breast Cancer Symposium 2017;Abstract GS6-07.

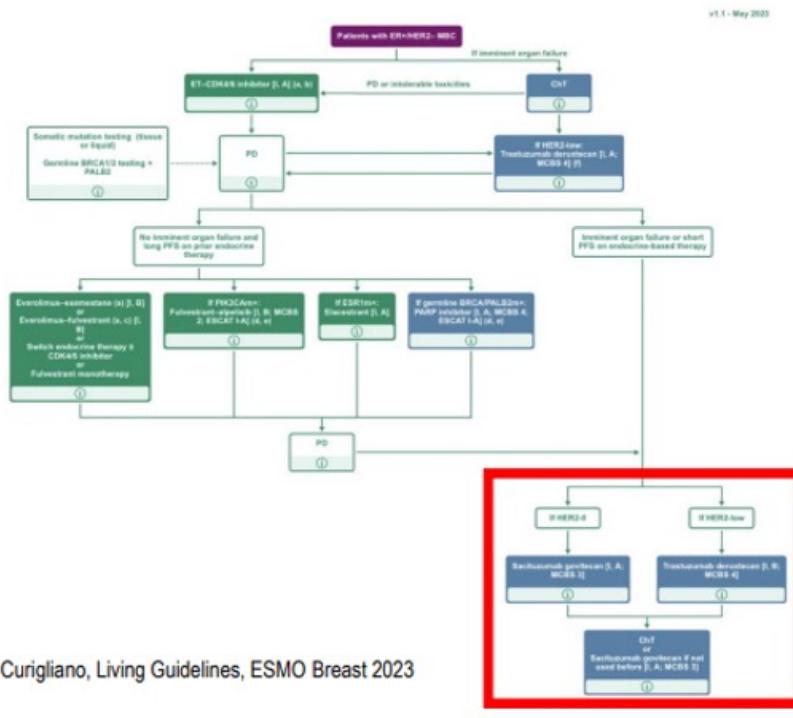


What about ADCs in ER + disease?

HR+/HER2- Metastatic Breast Cancer

Antibody drug-conjugates
in HR+/HER2- mBC

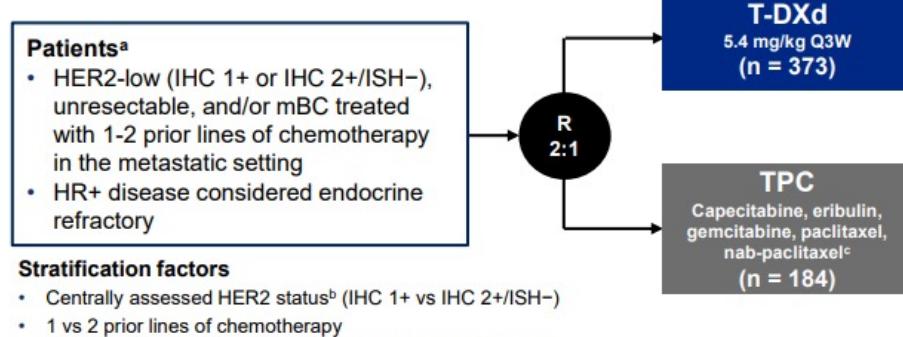
Trastuzumab deruxtecan and Sacituzumab govitecan are two ADCs, approved by FDA and EMA for patients with **endocrine-resistant** HR+/HER2- mBC



G Curigliano, Living Guidelines, ESMO Breast 2023



DESTINY-Breast04 Study Design: An open-label, multicenter study (NCT03734029)¹⁻³

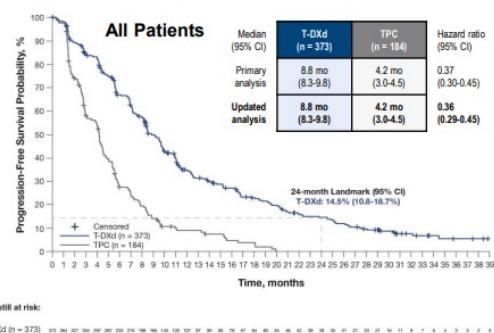


T-DXd
5.4 mg/kg Q3W
(n = 373)

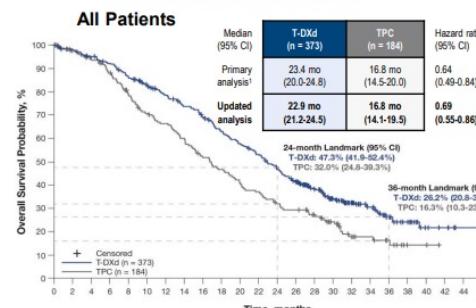
TPC
Capecitabine, eribulin,
gemcitabine, paclitaxel,
nab-paclitaxel^c
(n = 184)

At the updated data cutoff (March 1, 2023), median follow-up was 32.0 months (95% CI, 31.0-32.8 months)

Progression-Free Survival



Overall Survival



Overall Safety Summary

- Exposure-adjusted incidence rates for any-grade TEAEs were 1.2 and 2.6 per patient-year for the T-DXd and TPC arms, respectively
 - This supports that **longer T-DXd exposure does not increase toxicity**
- Overall, the safety profile is consistent with results from the primary analysis (data cutoff, January 11, 2022)
 - Rates of ILD/pneumonitis remained unchanged with longer follow-up**, and rates of left ventricular dysfunction were consistent with previously observed rates

Safety analysis set^e

n (%)	T-DXd (n = 371)	TPC (n = 172)
TEAEs	369 (99.5)	169 (98.3)
Grade ≥3	202 (54.4)	116 (67.4)
Serious TEAEs	108 (29.1)	44 (25.6)
TEAEs associated with dose discontinuation	62 (16.7)	14 (8.1)
TEAEs associated with dose interruptions	155 (41.8)	73 (42.4)
TEAEs associated with dose reductions	89 (24.0)	65 (37.8)
TEAEs associated with deaths	15 (4.0)	5 (2.9)
Total on-treatment deaths ^b	14 (3.8)	8 (4.7)

Results from the 32-month median follow-up for DESTINY-Breast04 confirm the sustained clinically meaningful improvement for T-DXd vs TPC previously demonstrated in HER2-low (IHC 1+, IHC 2+/ISH-) mBC, regardless of HR status

HR, hormone receptor; mo, month; OS, overall survival; T-DXd, trastuzumab deruxtecan; TPC, treatment of physician's choice.

1. Modi S et al. *N Engl J Med*. 2022;387:9-20.

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TROPION-Breast01 Study Design¹

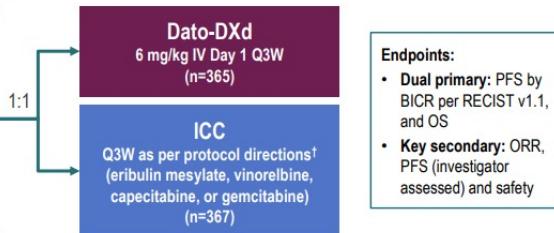
Randomised, phase 3, open-label, global study (NCT05104866)

Key inclusion criteria

Patients with HR+/HER2– breast cancer* (HER2– defined as IHC 0/1+/2+; ISH negative)

Previously treated with 1–2 lines of chemotherapy (inoperable/metastatic setting)

Experienced progression on ET and for whom ET was unsuitable
ECOG PS 0 or 1



Endpoints:

- Dual primary: PFS by BICR per RECIST v1.1, and OS
- Key secondary: ORR, PFS (investigator assessed) and safety

Randomisation stratified by:

- Lines of chemotherapy (1 vs 2)
- Geographic location (US/Canada/Europe vs ROW)
- Previous CDK4/6 inhibitor (yes vs no)

- Treatment continued until investigator-assessed PD (RECIST v1.1), unacceptable tolerability, or other discontinuation criteria
- At this data cut-off, the criteria for performing the primary PFS analysis were met (~419 events)

*The American Society of Clinical Oncology/College of American Pathologists (ASCO/CAP) guidelines. [†]CC was administered as follows: eribulin mesylate, 1.4 mg/m² IV on Days 1 and 8, Q3W; capecitabine, 1000 or 1250 mg/m² orally twice daily on Days 1 to 14. Q3W (dose per standard institutional practice); vinorelbine, 25 mg/m² IV on Days 1 and 8, Q3W; or gemcitabine, 1000 mg/m² IV on Days 1 and 8, Q3W. ET, endocrine therapy; HR, hazard ratio; ICC, investigator's choice of chemotherapy; IV, intravenous; ORR, objective response rate; OS, overall survival; PD, progressive disease; PFS, progression-free survival; RECIST, Response Evaluation Criteria in Solid Tumors; Q3W, every 3 weeks; ROW, rest of world.

1. Bandi A, et al. Future Oncol 2023; doi: 10.2217/fon-2023-0188.

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Patient Disposition

Disposition	Dato-DXd (n=360)	ICC (n=351)
Treatment status, n (%)		
Ongoing on study treatment	93 (26)	39 (11)
Discontinued from study treatment	267 (74)	312 (89)
Treatment duration, n (%)		
0–3 months	83 (23)	133 (38)
3–9 months	187 (52)	173 (49)
>9 months	90 (25)	45 (13)
Primary reason for treatment discontinuation, n (%)		
Adverse event	11 (3)	10 (3)
Progressive disease	229 (64)	240 (68)
Patient decision	13 (4)	32 (9)
Death	2 (1)	7 (2)
Other	12 (3)	23 (7)

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Demographics and Baseline Characteristics

	Dato-DXd (n=365)	ICC (n=367)
Age, median (range), years	56 (29–86)	54 (28–86)
Female, n (%)	360 (99)	363 (99)
Race, n (%)	Black or African American / Asian / White / Other*	4 (1) / 146 (40) / 180 (49) / 35 (10) / 7 (2) / 152 (41) / 170 (46) / 38 (10)
Ethnicity, n (%)	Hispanic or Latino / Not Hispanic or Latino†	40 (11) / 322 (88)
Prior lines of chemotherapy, n (%)	1 / 2‡	229 (63) / 135 (37)
Prior CDK4/6 inhibitor, n (%)	Yes / No	299 (82) / 66 (18)
Prior taxane and/or anthracycline, n (%)	Taxane alone	80 (22)
	Anthracycline alone	14 (4)
	Both	236 (65)
	Neither	28 (8)

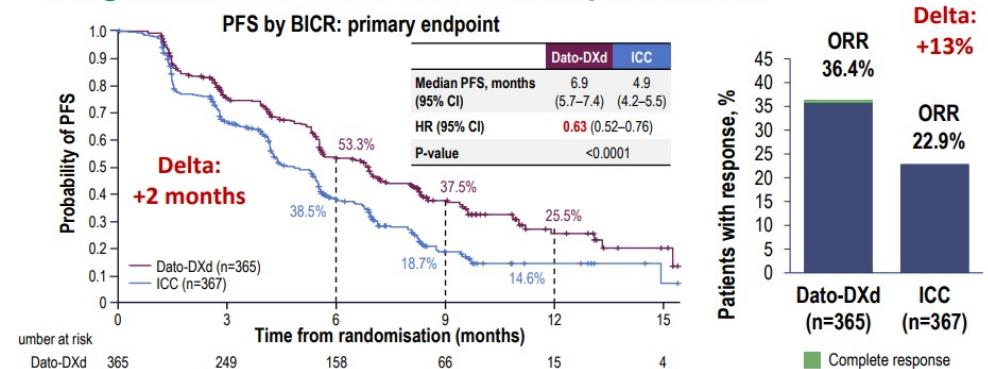
Data cut-off: 17 July 2023. *Including not reported. †Ethnicity missing: 3 patients in Dato-DXd group; 6 patients in ICC group.
‡1 patient in the Dato-DXd group had 3 prior lines of chemotherapy; 1 patient in the ICC group had 4 prior lines.

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Progression-Free Survival and Response Rate

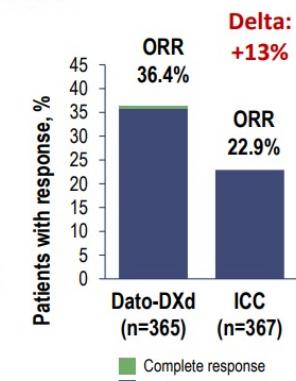


OS data were not mature: a trend favouring Dato-DXd was observed, HR 0.84 (95% CI 0.62–1.14)

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TRAEs Occurring in >15% of Patients

System	Org
Preferred	
Blood and lymphatic system	
Anaemia	
Neutropenia	
Eye disorders	Dry eye
Gastrointestinal	Nausea
	Stomatitis
	Vomiting
	Constipation
General disorders	Fatigue
Skin and subcutaneous tissue disorders	Alopecia

*Includes the preferred term



Patients with ER+/HER2– MBC PD on CDK4/6i and 2L oral combinations

ChT (capecitabine is my 1st choice)

PD

If HER2-0

Sacituzumab govitecan
[I, A; MCBS 3]
Datopotamab deruxtecan
[I, NA; MCBS @@]

If HER2low

Trastuzumab deruxtecan
[I, B; MCBS 4]

ChT

Sacituzumab govitecan
[I, A; MCBS 3]
Datopotamab deruxtecan
[I, NA; MCBS @@]
ChT

Grade 3†

1 (0.3)

0

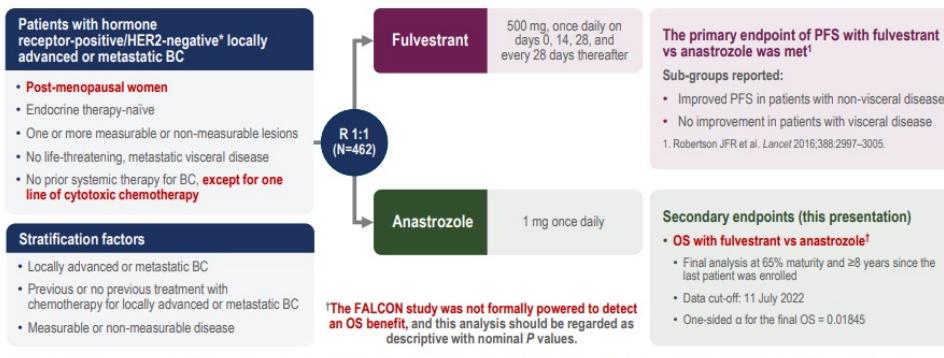
Grade ≥3

ty

≥DXd (n=360)	ICC (n=351)
1 (94)	303 (86)
(21)	157 (45)
(21)	106 (30)
(12)	86 (25)
1 (3)	9 (3)
0	1 (0.3)
1 (6)	32 (9)
17 (5)	31 (8)

What about SERD in ER + disease?

FALCON: a Phase 3, randomised, double-blind, double-dummy international trial (NCT01602380)



*Patients with HER2 overexpression or gene amplification, i.e., IHC 3-positive or FISH-positive, where appropriate, were excluded. One patient in the anastrozole arm had hormone receptor-positive/HER2-positive BC. BC, breast cancer; HER2, human epidermal growth factor receptor 2; FISH, fluorescence in situ hybridisation; IHC, immunohistochemistry; OS, overall survival; PFS, progression-free survival; R, randomised.

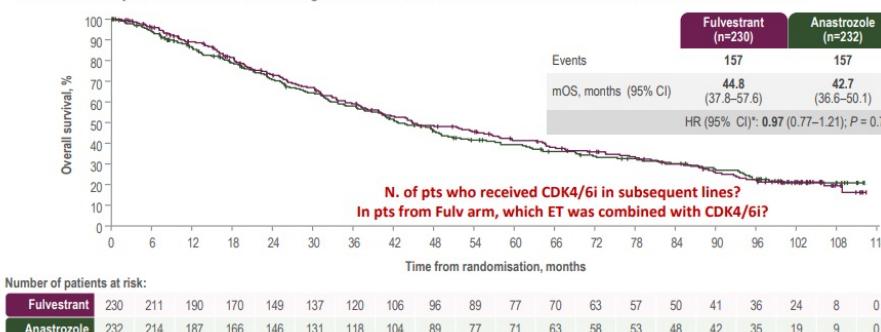
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OS in the ITT population (data cut-off 11 July 2022)

The final analysis demonstrated no significant differences in OS between fulvestrant and anastrozole



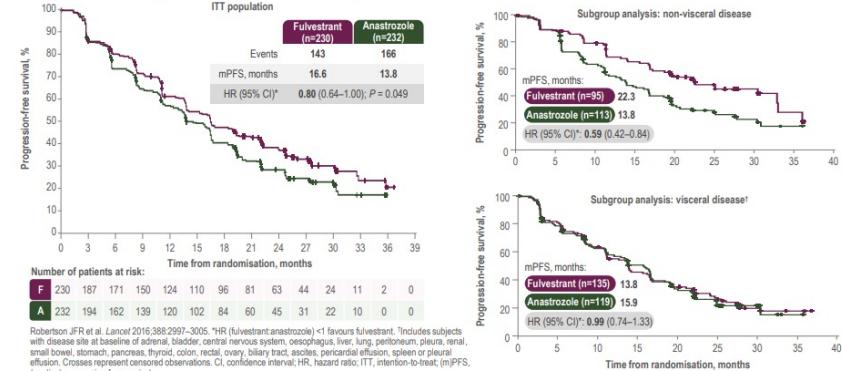
[†]HR (fulvestrant:anastrozole) <1 favours fulvestrant. Median follow-up was 37.5 months in the fulvestrant arm and 36.5 months in the anastrozole arm. Crosses represent censored observations. CI, confidence interval; HR, hazard ratio; ITT, intention-to-treat; (m)OS, (median) overall survival.

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FALCON primary efficacy results: PFS



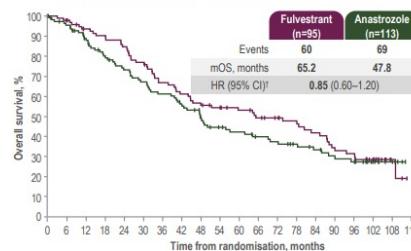
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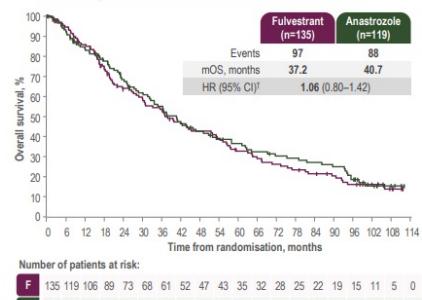
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OS in patients with non-visceral and visceral disease

Among patients with **non-visceral disease**, a 15% reduction in risk of death was observed with fulvestrant vs anastrozole



Among patients with **visceral disease[†]**, OS was comparable between patients who received fulvestrant vs anastrozole



A trend in favour of OS benefit with fulvestrant was seen in patients with non-visceral vs visceral disease

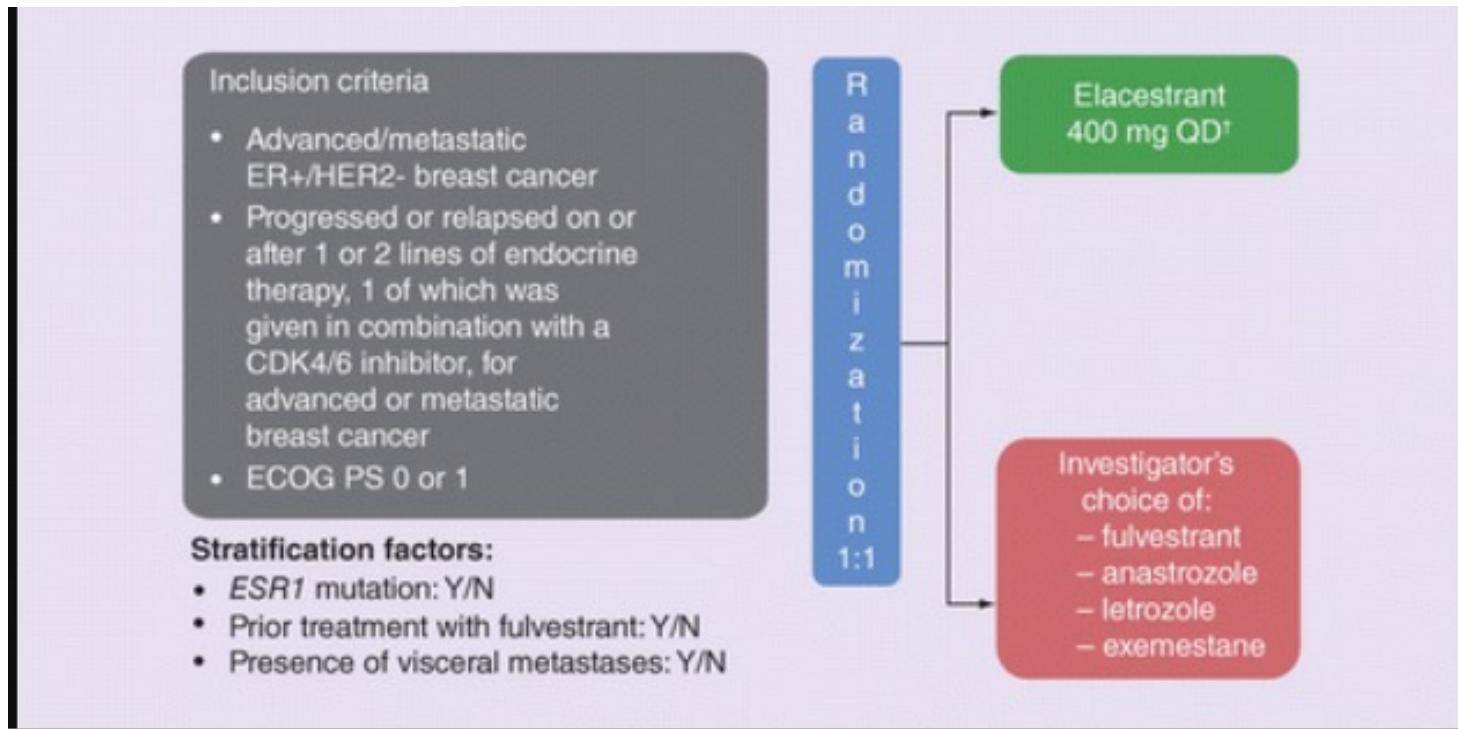
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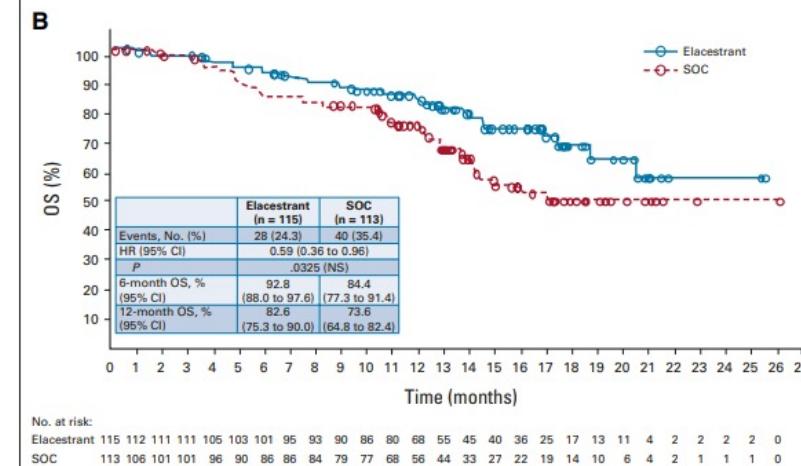
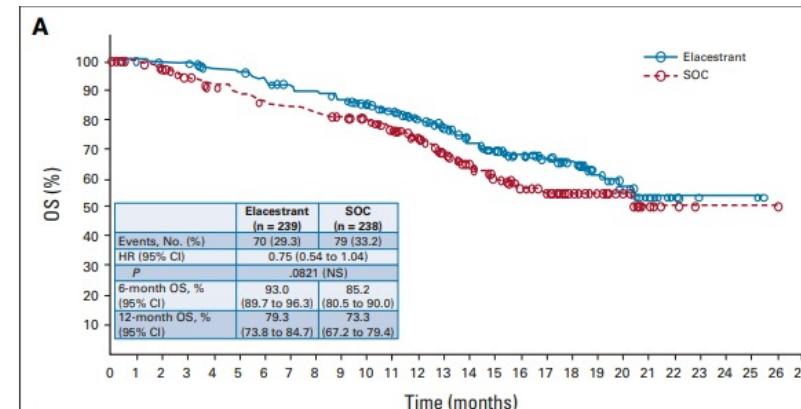
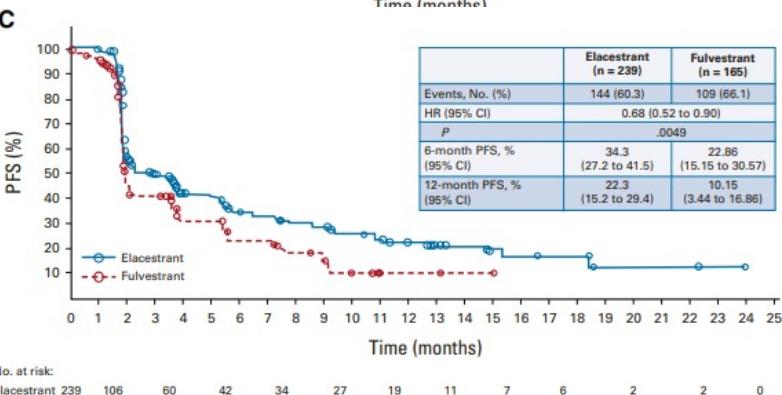
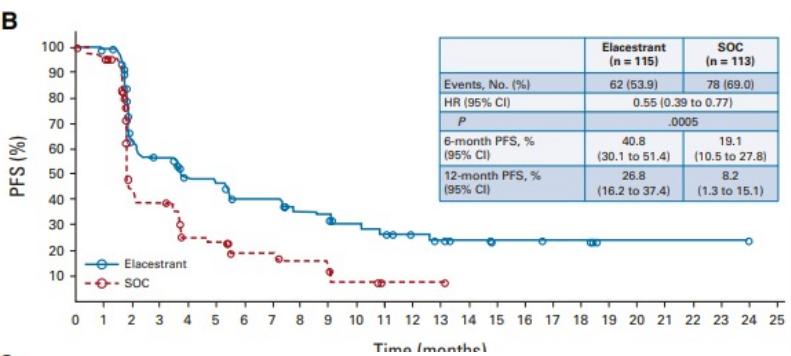
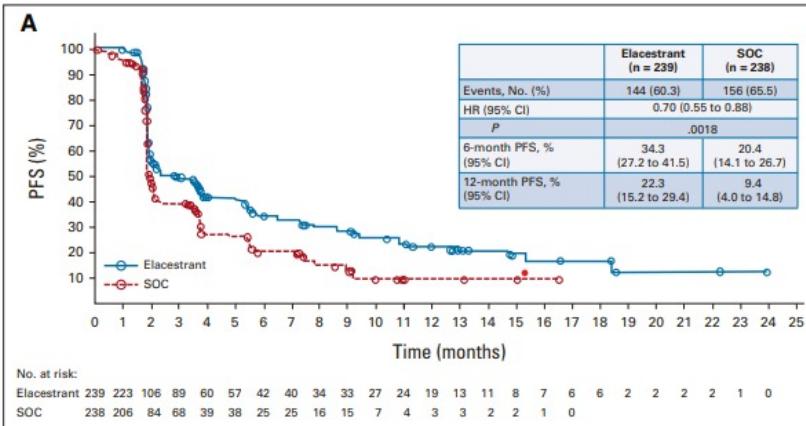
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Elacestrant (oral selective estrogen receptor degrader) Versus Standard Endocrine Therapy for Estrogen Receptor–Positive, Human Epidermal Growth Factor Receptor 2–Negative Advanced Breast Cancer: Results From the Randomized Phase III EMERALD Trial

François-Clement Bidard, MD^{1,2}; Virginia G. Kaklamani, MD³; Patrick Neven, MD⁴; Guillermo Streich, MD⁵; Alberto J. Montero, MD⁶; Frédéric Forget, MD⁷; Marie-Ange Mouret-Reynier, MD⁸; Joo Hyuk Sohn, MD⁹; Donatienne Taylor, MD¹⁰; Kathleen K. Hamden, MD¹¹; Hung Khong, MD¹²; Judit Kocsis, MD¹³; Florence Dalenc, MD¹⁴; Patrick M. Dillon, MD¹⁵; Sunil Babu, MD¹⁶; Simon Waters, MD¹⁷; Ines Deleu, MD¹⁸; José A. García Sáenz, MD¹⁹; Emilio Bria, MD²⁰; Marina Cazzaniga, MD²¹; Janice Lu, MD²²; Philippe Aftimos, MD²³; Javier Cortés, MD^{24,25,26,27}; Shubin Liu, MS²⁸; Giulia Tonini, PhD²⁹; Dirk Laurent, MD³⁰; Nassir Habboubi, MD³¹; Maureen G. Conlan, MD³²; and Aditya Bardia, MD³³





A wide-angle photograph of a sunset over a coastal town. The sky is filled with dark, heavy clouds, with a bright yellow-orange sun partially obscured by them on the horizon. In the foreground, the dark silhouette of buildings and trees is visible on a hillside. Several thin, dark power or telephone lines stretch across the frame from left to right. The overall atmosphere is moody and atmospheric.

GRAZIE PER L'ATTENZIONE!