



S.S. FORMAZIONE PERMANENTE E AGGIORNAMENTO

Evento Formativo Residenziale

**PROGRAMMA REGIONALE DI SCREENING PER IL TUMORE DELLA MAMMELLA
PREVENZIONE SERENA – WORKSHOP 2021**

NOVITA' IN CAMPO ONCOLOGICO

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Fondazione IRCCS Ca' Granda
Ospedale Maggiore Policlinico

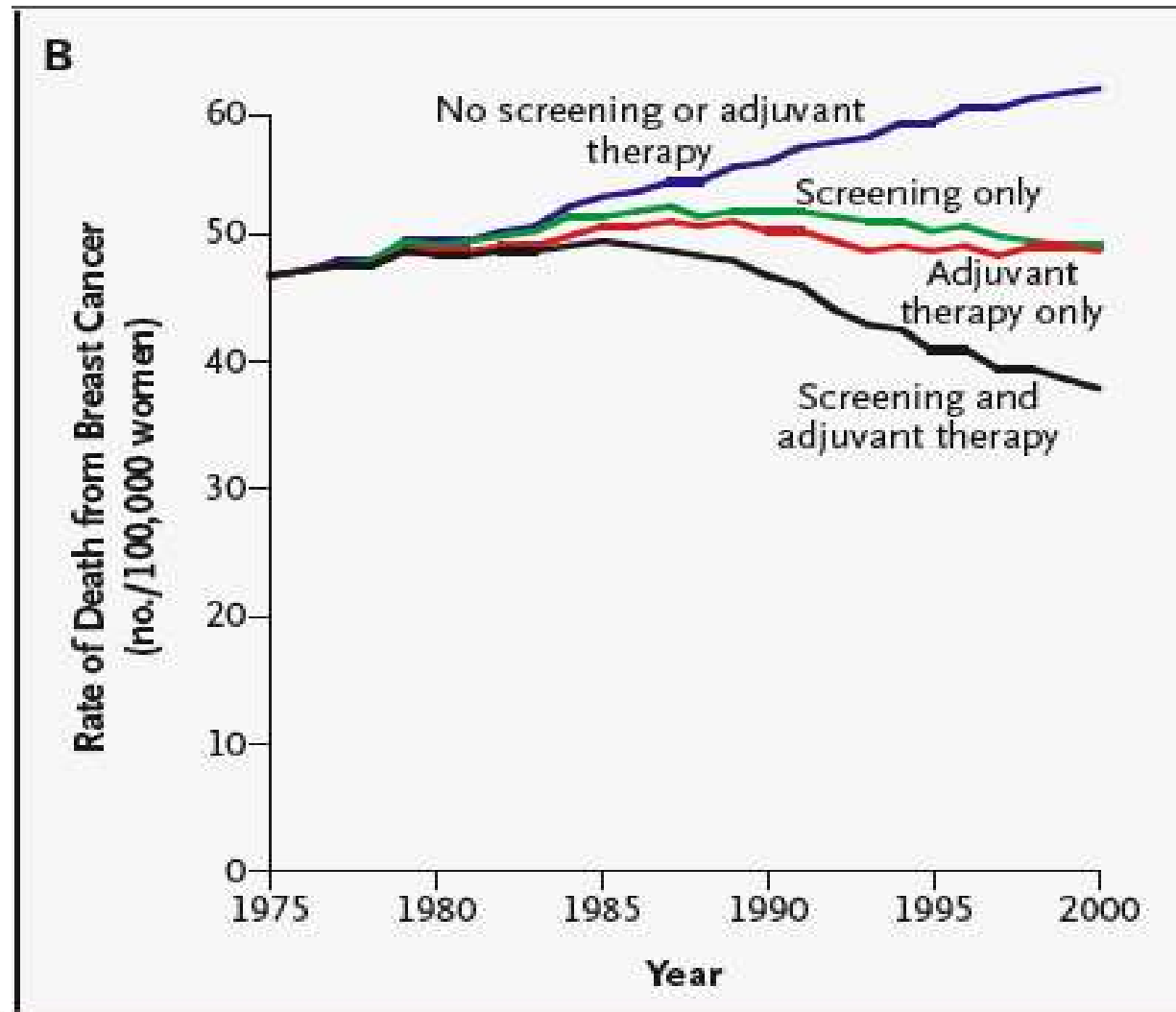
Sistema Socio Sanitario



Regione
Lombardia

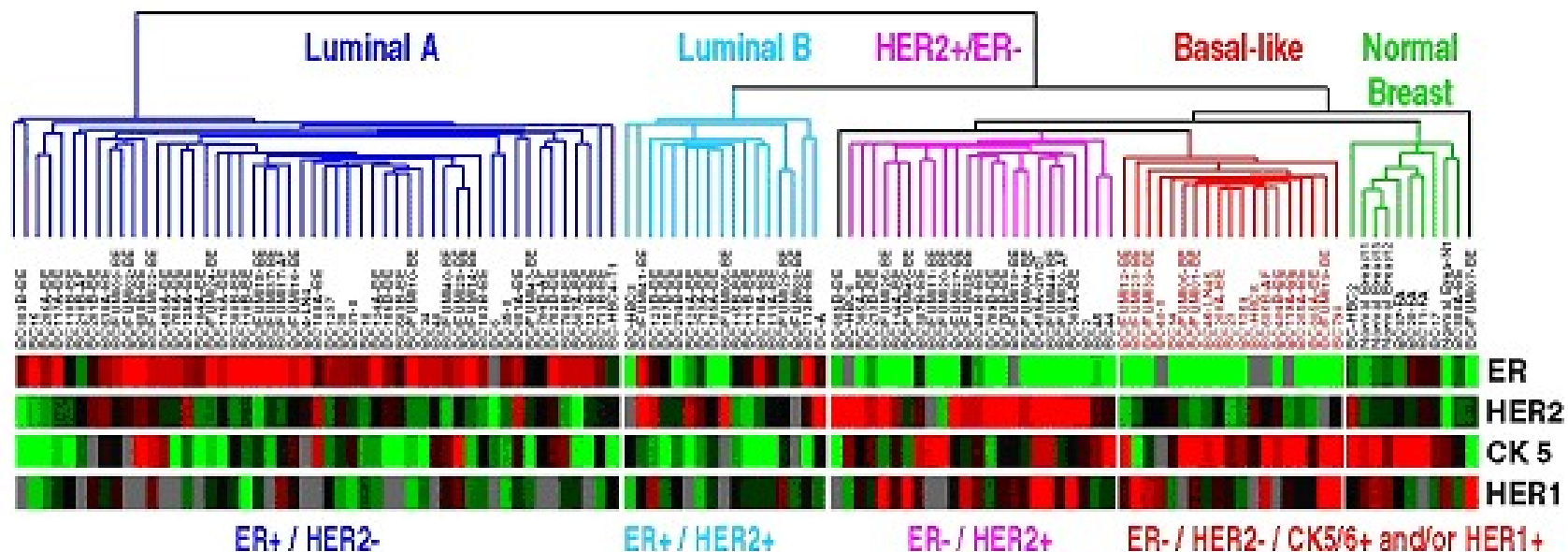
EPIDEMIOLOGIA

- In Italia nel 2020 stimati 55.000 nuovi casi (le stime per il 2021 non sono disponibili)
- Nel 2021 stimati 12.500 decessi
- Sopravvivenza netta a 5 anni dalla diagnosi 88%



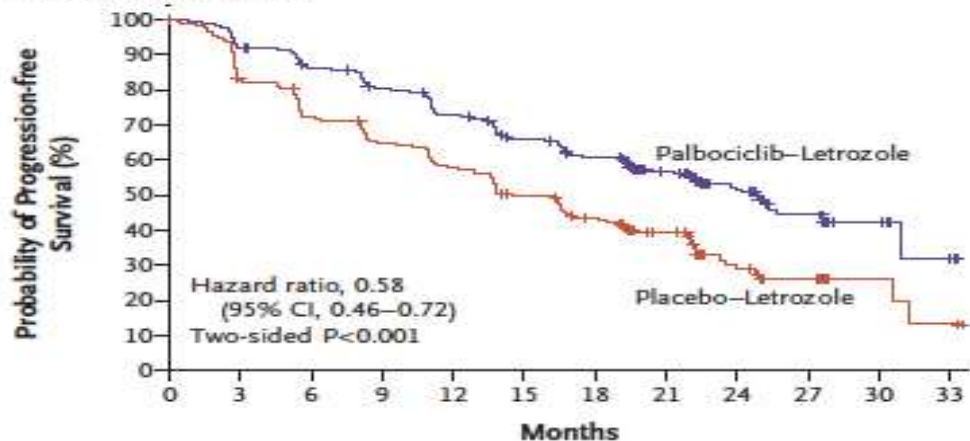
Gene expression array-identified subtypes of Breast Cancer

Unsupervised Hierarchical Clustering of Primary Breast Cancers



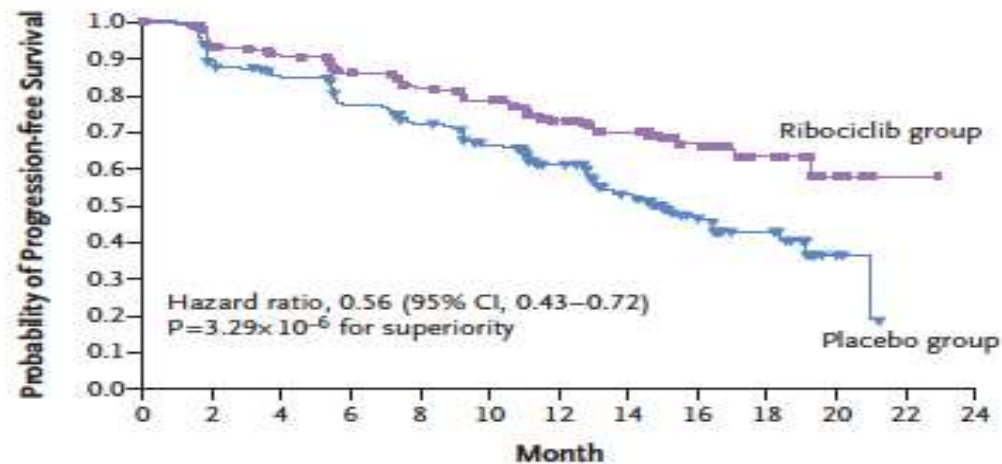
MALATTIA LUMINALE

Investigator Assessment



No. at Risk

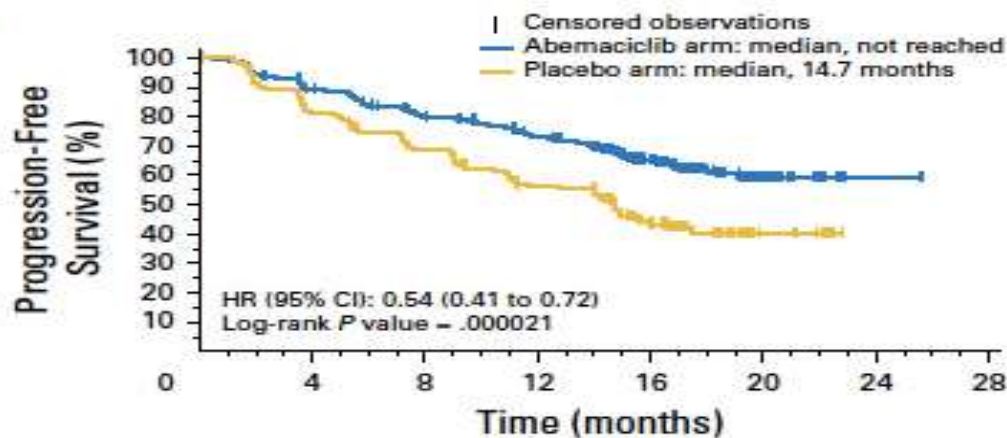
Palbociclib-Letrozole	444	395	360	328	295	263	238	154	69	29	10	2
Placebo-Letrozole	222	171	148	131	116	98	81	54	22	12	4	2



No. at Risk

Ribociclib	334	294	277	257	240	226	164	119	68	20	6	1	0
Placebo	334	279	264	237	217	192	143	88	44	23	5	0	0

A



No. at risk:

Abemaciclib arm	328	271	234	205	125	25	1	0
Placebo arm	165	127	105	82	45	7	0	0



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Sistema Socio Sanitario



Regione Lombardia

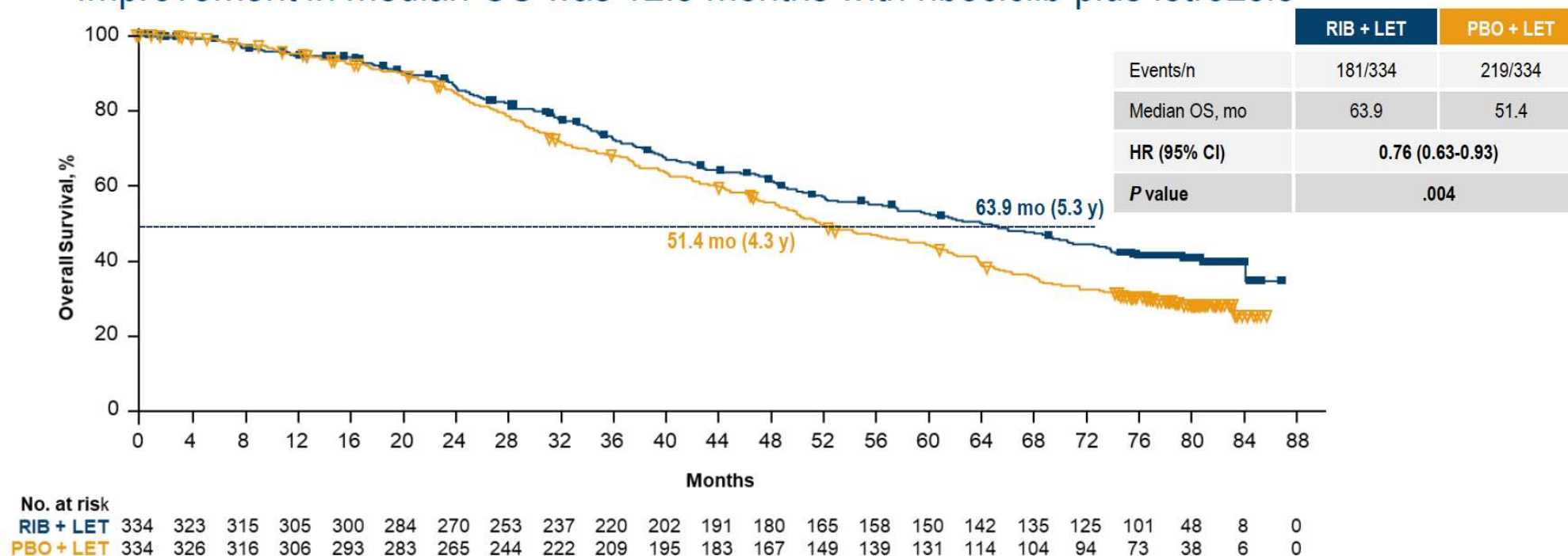
Finn RS et al. N Engl J Med 2016
Hortobagyi GN et al. N Engl J Med 2016
Goetz MP et al. J Clin Oncol 2017

Focus on 1st line

	PALOMA-2		MONALEESA-2		MONARCH-3		MONALEESA-3		MONALEESA-7			
Setting	1st line		1st line		1st line		1st and 2nd line		1st and 2nd line			
ORR (%)	42.1	34.7	42.5	28.7	48.2	34.5	32.5	21.5	41	30		
ORR meas disease (%)	55.3	44.4	54.5	38.8	59.2	43.8	40.9	28.7	51	36		
PD (%)	NR		5.1	12.7	3.7	7.3	9.9	16.5	7	15		
CBR (%)	OS (months)		Pending		63.9 vs 51.4		Pending		53.7 vs 41.5 NR vs 51.8 39.7 vs 33.7		NR vs 40.9	
PFS (months)												
HR	0.56		0.56		0.54		0.55		0.55			
Visceral involvement (%)	48.2	49.5	59	58.7	52.4	53.9	60.5	60.3	58	56		
Previous CT (neo/adj) (%)	48	49.1	43.7	43.4	38.1	40	43.2	41.7	41	41		
Previous CT adv (%)	-	-	-	-	-	-	-	-	14	14		
Previous ET (neo/adj) (%)	56.1	56.8	52.4	51.2	45.7	48.5	59.7	58.7	38	42		
Previous ET adv (%)							22.7	16.5	-	-		

Ribociclib achieved statistically significant OS benefit in ML-2

Improvement in median OS was 12.5 months with ribociclib plus letrozole



The P value of .004 crossed the prespecified boundary to claim superior efficacy



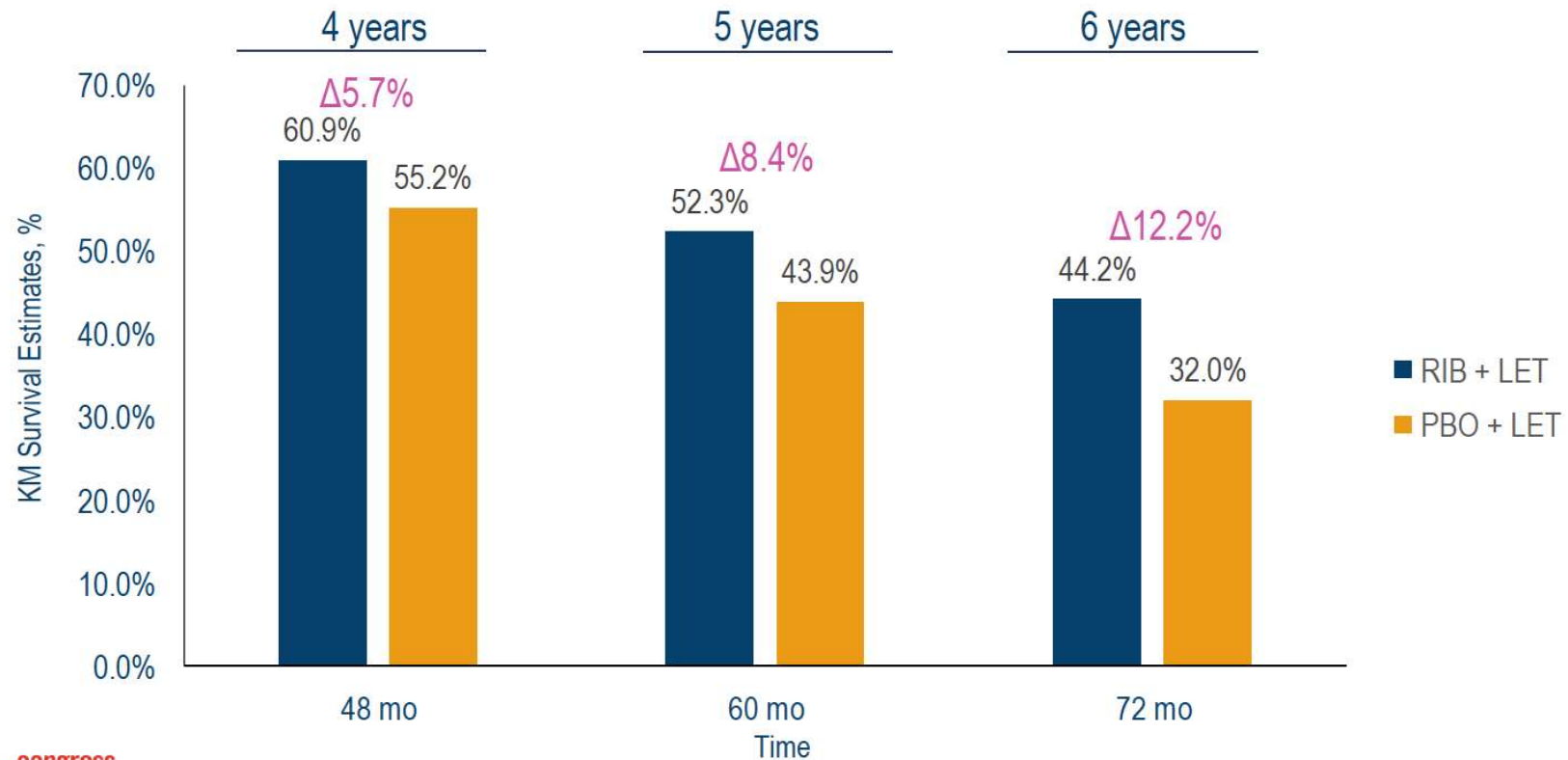
Gabriel N. Hortobagyi

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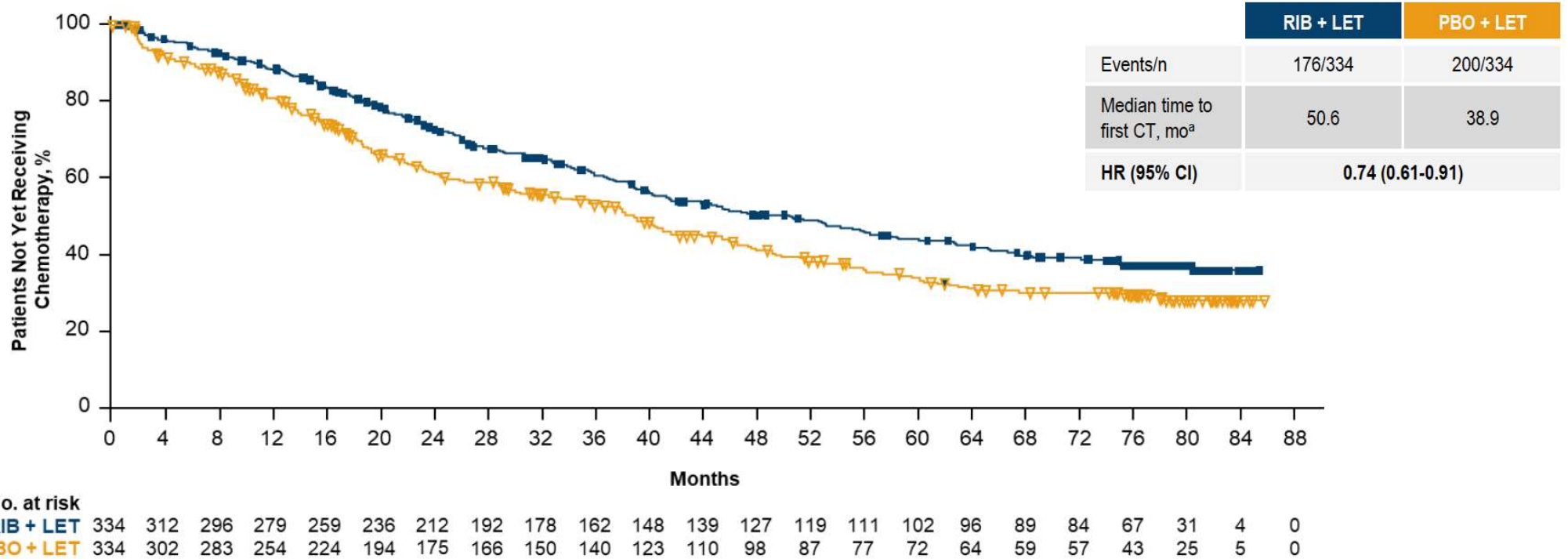
HR, hazard ratio; ML-2, MONALEESA-2; LET, letrozole; OS, overall survival; PBO, placebo; RIB, ribociclib.

The OS benefit with ribociclib increased over time

At 6 years, the survival rate of patients receiving ribociclib was 44.2%



Ribociclib delayed time to first chemotherapy by ≈ 1 year



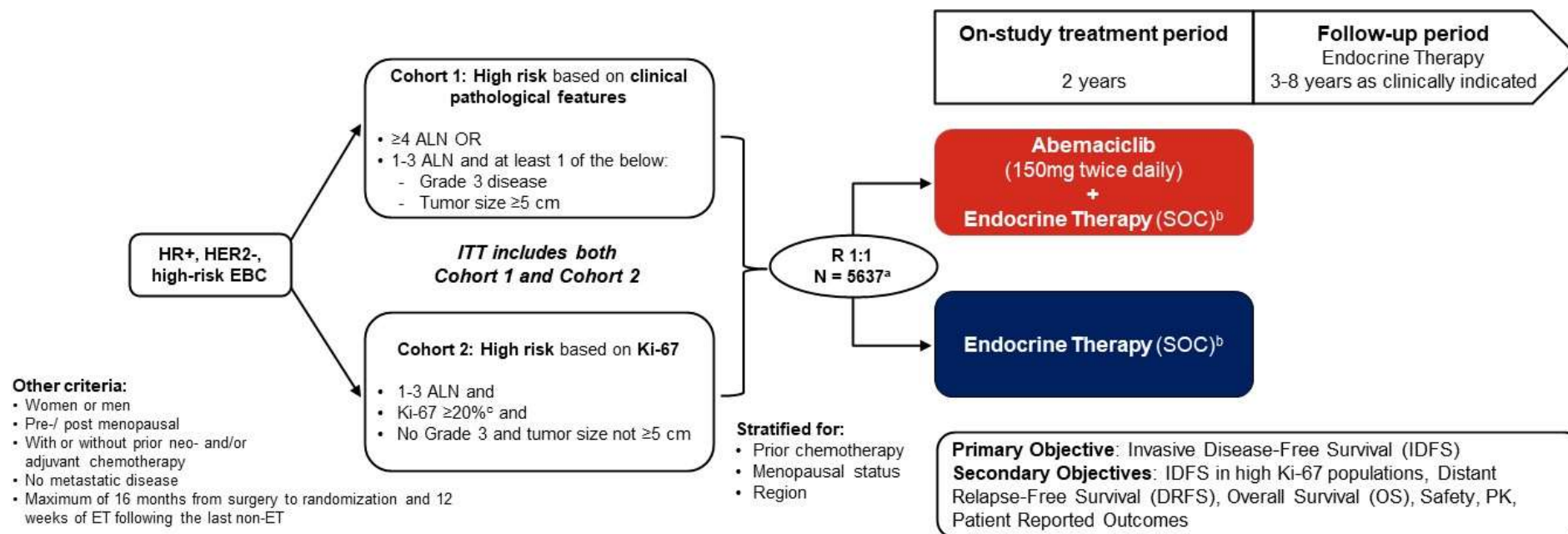
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CT, chemotherapy; HR, hazard ratio; LET, letrozole; PBO, placebo; RIB, ribociclib.

^a Time to first chemotherapy was defined as the time from randomization to the start of the first chemotherapy following discontinuation of the study treatment.

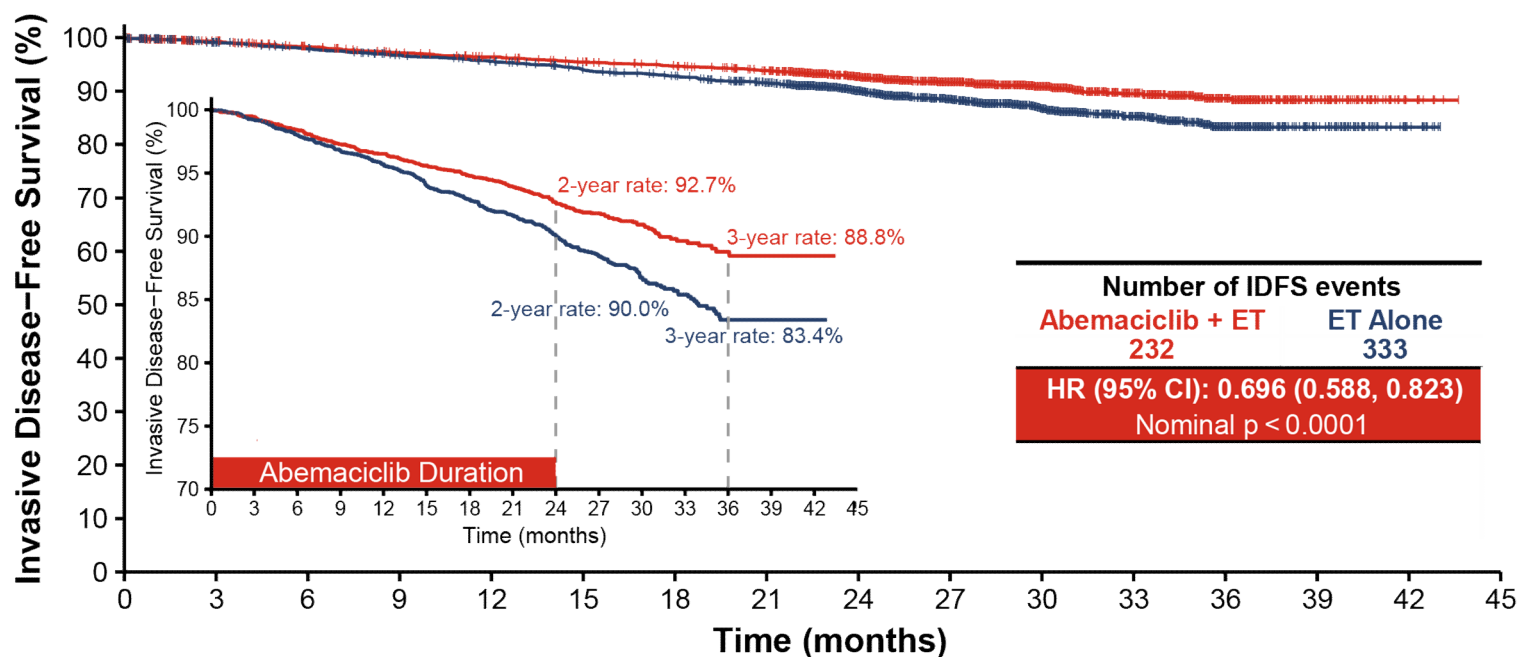
monarchE Study Design (NCT03155997)



^aRecruitment from July 2017 to August 2019; ^bEndocrine therapy of physician's choice [e.g. aromatase inhibitors, tamoxifen, LHRH agonist]; ^cKi-67 expression centrally assessed in all patients from both cohorts with suitable untreated breast tissue using Ki-67 immunohistochemistry Assay by Dako/Agilent

Abbreviations: ALN = positive axillary lymph nodes; CPF = clinicopathological features; HER2 = human epidermal receptor 2; HR = hormone receptor; ITT = intent-to-treat population; N = number of patients in the ITT population; R = randomized; SOC = standard of care

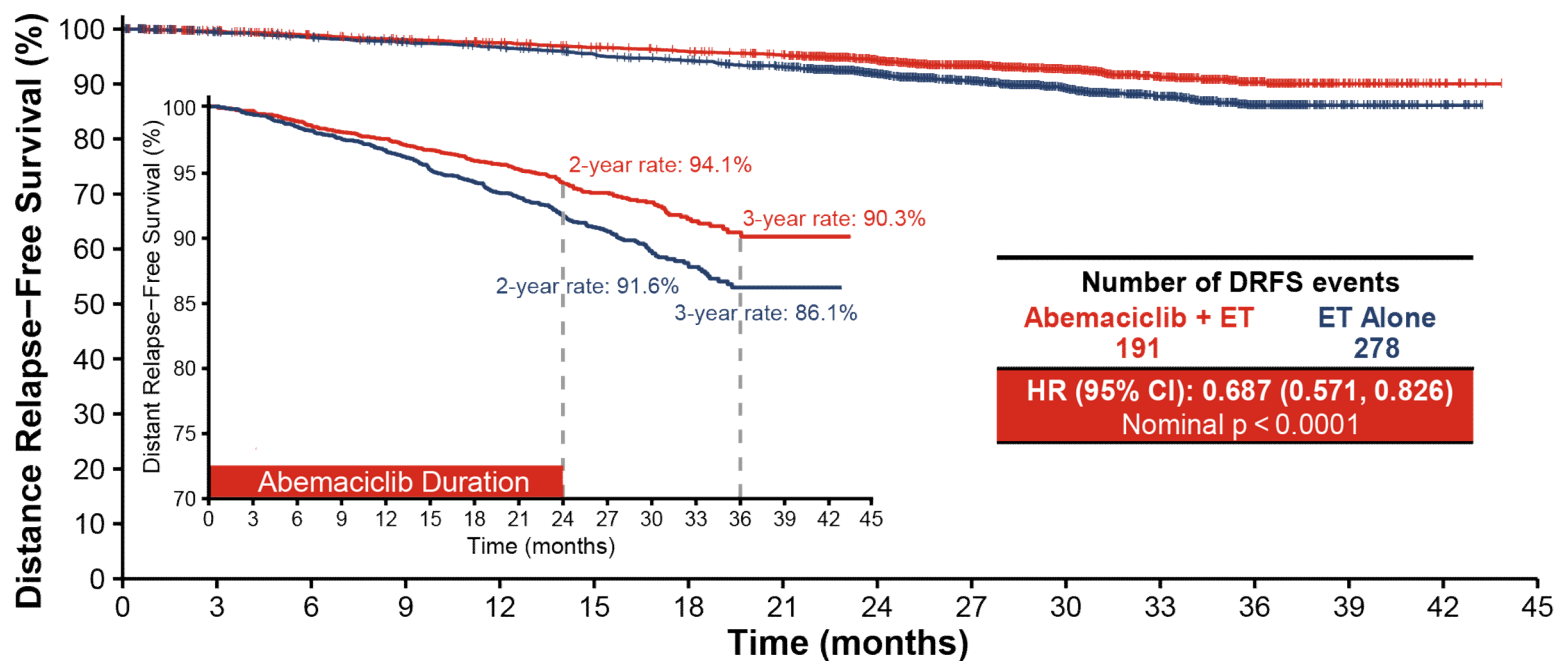
IDFS Benefit Maintained with Additional Follow-up in ITT population



Number at risk	0	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45
Abemaciclib + ET	2808	2680	2621	2579	2547	2508	2477	2430	1970	1287	919	522	275	67	8	0
ET Alone	2829	2700	2652	2608	2572	2513	2472	2400	1930	1261	906	528	281	64	10	0

30.4% reduction in the risk of developing an IDFS event.
The absolute difference in IDFS rates between arms was 5.4% at 3 years.

Benefit of DRFS Maintained with Additional Follow-up in ITT population



Number at risk	0	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45
Abemaciclib + ET	2808	2684	2629	2595	2566	2529	2497	2455	1990	1300	930	530	281	68	8	0
ET Alone	2829	2704	2660	2622	2591	2535	2499	2427	1955	1287	924	537	287	66	10	0

31.3% reduction in the risk of developing a DRFS event.
The absolute difference in DRFS rates between arms was 4.2% at 3 years.

Abemaciclib Treatment Effect Over Time

Analysis landmark	IDFS			DRFS		
	Events		Piecewise HR* (95% CI**)	Events		Piecewise HR* (95% CI**)
	Abemaciclib + ET	ET alone		Abemaciclib + ET	ET alone	
Year 0-1	93	116	0.795 (0.589, 1.033)	67	91	0.732 (0.520, 0.987)
Year 1-2	98	146	0.681 (0.523, 0.869)	85	129	0.675 (0.507, 0.875)
Year 2+	41	71	0.596 (0.397, 0.855)	39	58	0.692 (0.448, 1.032)

* Piecewise hazard ratio was estimated using piecewise exponential model to assess the yearly treatment effect size

** 95% credible intervals were calculated by equal tails in the posterior samples of Bayesian exponential models

Increasing magnitude of IDFS and DRFS effect size from the first year to the second year, with maintained treatment benefit beyond the 2-year study treatment period.

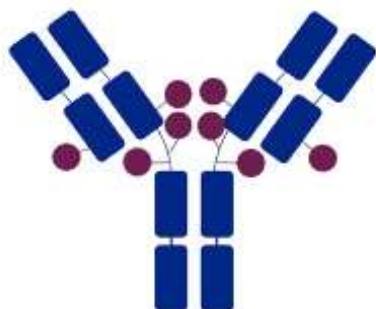
FDA approves abemaciclib with endocrine therapy for early breast cancer

On October 12, 2021, the Food and Drug Administration approved abemaciclib (Verzenio, Eli Lilly and Company) with endocrine therapy (tamoxifen or an aromatase inhibitor) for adjuvant treatment of adult patients with hormone receptor (HR)-positive, human epidermal growth factor receptor 2 (HER2)-negative, node-positive, early breast cancer at high risk of recurrence and a Ki-67 score $\geq 20\%$, as determined by an FDA approved test. This is the first CDK 4/6 inhibitor approved for adjuvant treatment of breast cancer.

MALATTIA HER2+

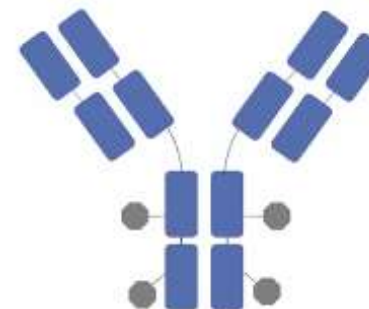
ADC Characteristic Differences Between T-DXd and T-DM1

Trastuzumab
deruxtecan
(T-DXd)¹



T-DXd ^{1-4,a}	ADC Attributes	T-DM1 ³⁻⁵
Topoisomerase I inhibitor	Payload MoA	Anti-microtubule
~8:1	Drug-to-antibody ratio	~3.5:1
Yes	Tumor-selective cleavable linker?	No
Yes	Evidence of bystander anti-tumor effect?	No

Trastuzumab
emtansine
(T-DM1)⁵



DESTINY-Breast03: First Randomized Ph3 Study of T-DXd

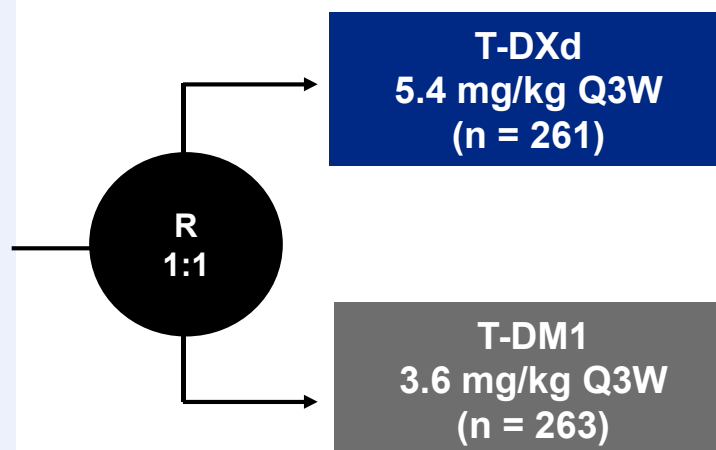
An open-label, multicenter study (NCT03529110)

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

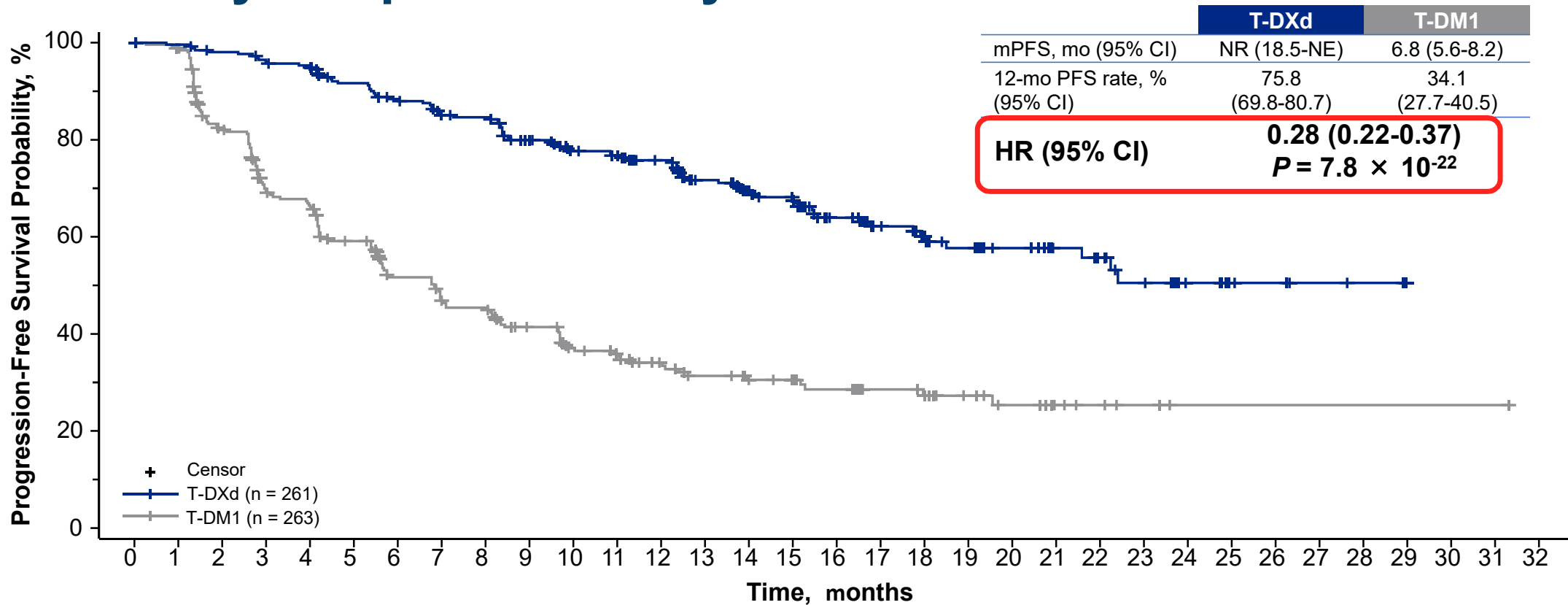
- ORR (BICR and investigator)
- DOR (BICR)
- PFS (investigator)
- Safety

Interim analysis for PFS (data cutoff: May 21, 2021)

- Efficacy boundary for superiority: $P < 0.000204$ (based on 245 events)
- IDMC recommendation to unblind study (July 30, 2021)

Key secondary endpoint, OS: boundary for efficacy: $P < 0.000265$ (based on 86 events)

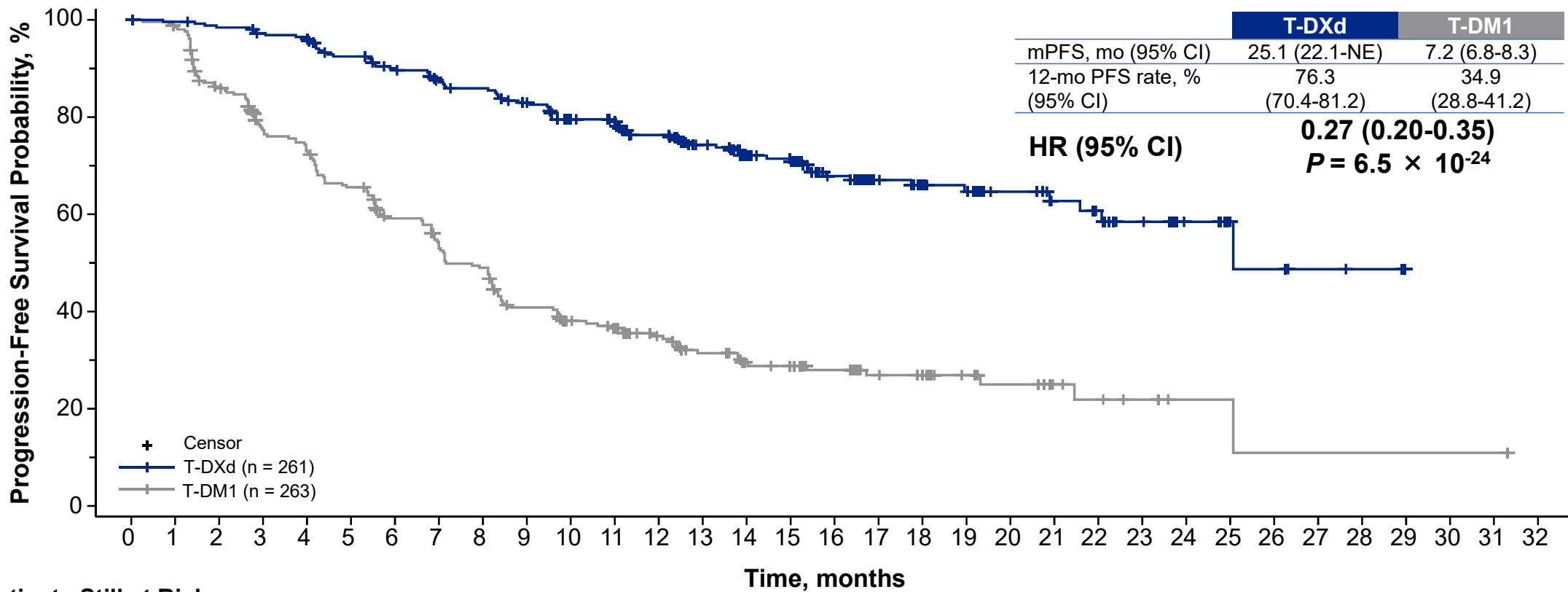
Primary Endpoint: PFS by BICR



Patients 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	0












Secondary Endpoint: PFS by Investigator Assessment




Patients Still at Risk:

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32		
T-DXd (261)	261	256	252	247	244	230	221	209	205	195	179	176	158	140	120	113	85	64	53	48	37	31	27	20	11	7	5	3	2	0					
T-DM1 (263)	263	253	216	185	175	156	136	119	110	88	78	72	61	51	43	39	34	25	23	16	13	9	7	5	2	2	1	1	1	1	1	1	0		

PFS in Key Subgroups

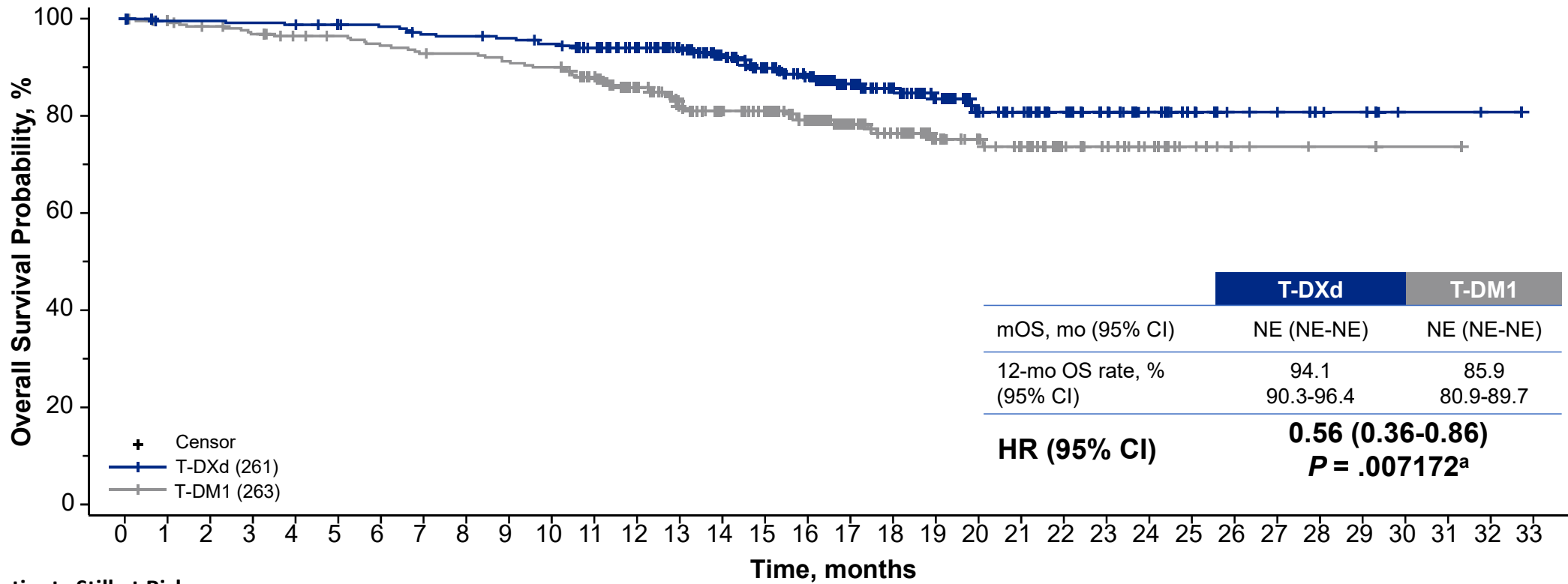
		Number of Events		Median PFS (mo, 95% CI)		HR (95% CI)	
		T-DXd	T-DM1	T-DXd	T-DM1		
All patients		87/261	158/263	NE (18.5-NE)	6.8 (5.6-8.2)		0.2840 (0.2165-0.3727)
Hormone Receptor Status	Positive (n = 272)	46/133	84/139	22.4 (17.7-NE)	6.9 (4.2-9.8)		0.3191 (0.2217-0.4594)
	Negative (n = 248)	41/126	73/122	NE (18.0-NE)	6.8 (5.4-8.3)		0.2965 (0.2008-0.4378)
Prior Pertuzumab Treatment	Yes (n = 320)	57/162	98/158	NE (18.5-NE)	6.8 (5.4-8.3)		0.3050 (0.2185-0.4257)
	No (n = 204)	30/99	60/105	NE (16.5-NE)	7.0 (4.2-9.7)		0.2999 (0.1924-0.4675)
Visceral Disease	Yes (n = 384)	72/195	123/189	22.2 (16.5-NE)	5.7 (4.2-7.0)		0.2806 (0.2083-0.3779)
	No (n = 140)	15/66	35/74	NE (NE-NE)	11.3 (6.8-NE)		0.3157 (0.1718-0.5804)
Prior Lines of Therapy^a	0-1 (n = 258)	46/132	75/126	22.4 (17.9-NE)	8.0 (5.7-9.7)		0.3302 (0.2275-0.4794)
	≥2 (n = 266)	41/129	83/137	NE (16.8-NE)	5.6 (4.2-7.1)		0.2828 (0.1933-0.4136)
Brain Metastases	Yes (n = 114)	31/62	31/52	15.0 (12.6-22.2)	5.7 (2.9-7.1)		0.3796 (0.2267-0.6357)
	No (n = 410)	56/199	127/211	NE (22.4-NE)	7.0 (5.5-9.7)		0.2665 (0.1939-0.3665)



HR (T-DXd vs T-DM1)

^aRapid progressors on (neo)adjuvant therapy were included. Line of therapy does not include endocrine therapy.

Key Secondary Endpoint: OS



Patients Still at Risk:

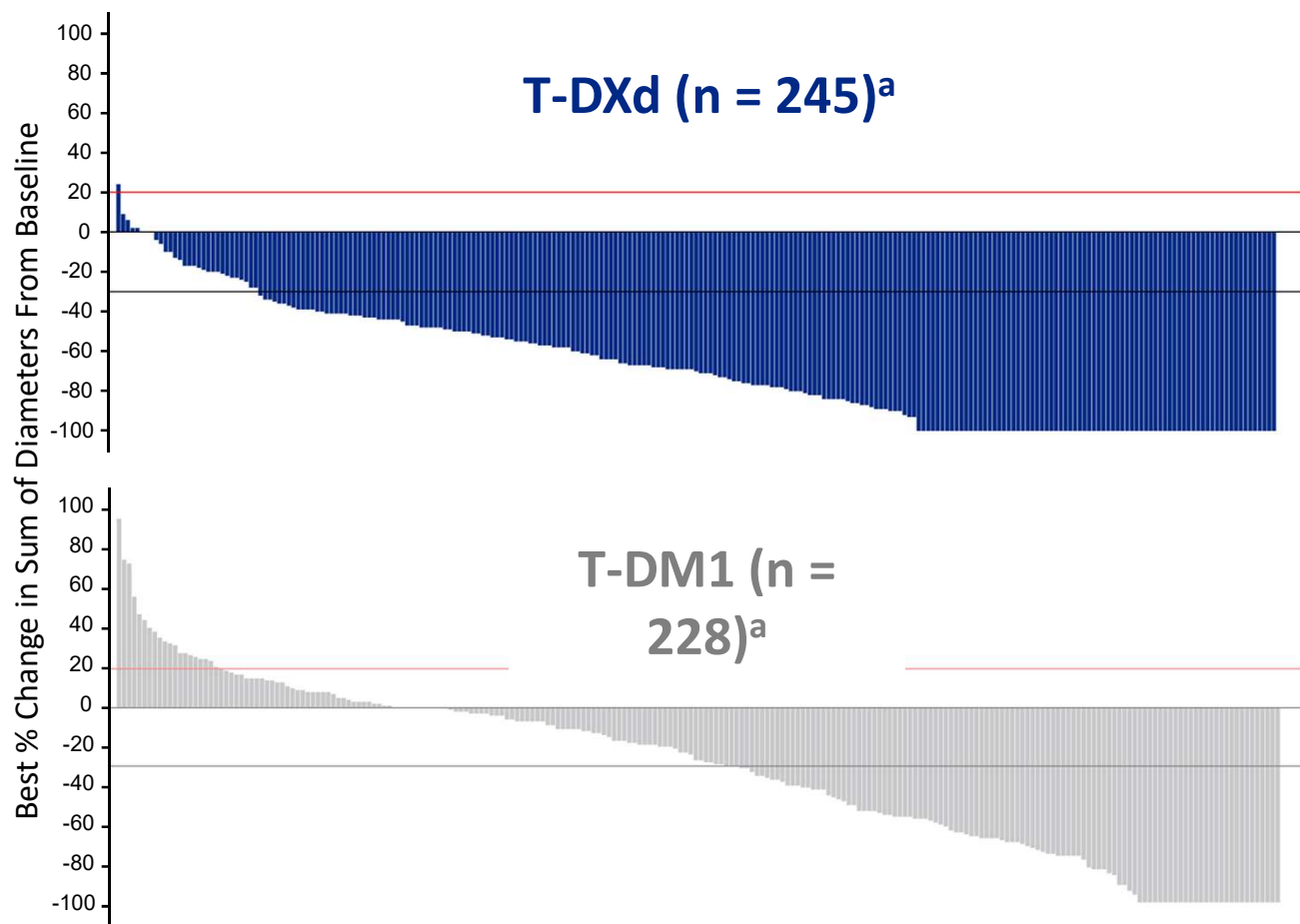
T-DXd (261)	261	256	256	255	254	251	249	244	243	241	237	230	218	202	180	158	133	108	86	71	56	50	42	33	24	18	11	10	7	6	2	2	1	0
T-DM1 (263)	263	258	253	248	243	241	236	232	231	227	224	210	188	165	151	140	120	91	75	58	52	44	32	27	18	11	5	4	3	3	1	1	0	



Early OS data with relatively few events (33 in the T-DXd arm, 53 in the T-DM1 arm)

^aP = .007172, but does not cross pre-specified boundary of P < .000265

Confirmed ORR and Best Overall Response



Confirmed ORR

n (%)^b
[95% CI]

T-DXd (n = 261)	T-DM1 (n = 263)
208 (79.7)	90 (34.2)
[74.3-84.4]	[28.5-40.3]

P < .0001

CR

42 (16.1) 23 (8.7)

PR

166 (63.6) 67 (25.5)

SD

44 (16.9) 112 (42.6)

PD

3 (1.1) 46 (17.5)

Not evaluable

6 (2.3) 15 (5.7)

**CR + PR + SD
(DCR)**

252 (96.6) 202 (76.8)

Drug-Related TEAEs in $\geq 20\%$ of Patients

System Organ Class Preferred term, n (%)	T-DXd (n = 257)		T-DM1 (n = 261)	
	Any Grade	Grade ≥ 3	Any Grade	Grade ≥ 3
Blood and lymphatic system disorders				
Neutropenia ^a	110 (42.8)	49 (19.1)	29 (11.1)	8 (3.1)
Anemia ^b	78 (30.4)	15 (5.8)	37 (14.2)	11 (4.2)
Leukopenia ^c	77 (30.0)	17 (6.6)	20 (7.7)	1 (0.4)
Thrombocytopenia ^d	64 (24.9)	18 (7.0)	135 (51.7)	65 (24.9)
Gastrointestinal disorders				
Nausea	187 (72.8)	17 (6.6)	72 (27.6)	1 (0.4)
Vomiting	113 (44.0)	4 (1.6)	15 (5.7)	1 (0.4)
Diarrhea	61 (23.7)	1 (0.4)	10 (3.8)	1 (0.4)
Constipation	58 (22.6)	0	25 (9.6)	0
General disorders				
Fatigue ^e	115 (44.7)	13 (5.1)	77 (29.5)	2 (0.8)
Investigations				
AST increased	60 (23.3)	2 (0.8)	97 (37.2)	13 (5.0)
ALT increased	50 (19.5)	4 (1.6)	71 (27.2)	12 (4.6)
Metabolism and nutrition disorders				
Decreased appetite	67 (26.1)	3 (1.2)	33 (12.6)	0
Skin and subcutaneous tissue disorders				
Alopecia ^f	93 (36.2)	1 (0.4)	6 (2.3)	0

ILD 10.5%

Most drug-related TEAEs were gastrointestinal or hematological in nature

HER2CLIMB trial design

Key Eligibility Criteria

- HER2+ metastatic breast cancer
- Prior treatment with trastuzumab, pertuzumab, and T-DM1
- ECOG performance status 0 or 1
- Brain MRI at baseline
 - Previously treated stable brain metastases
 - Untreated brain metastases not needing immediate local therapy
 - Previously treated progressing brain metastases not needing immediate local therapy
- No evidence of brain metastases

*Stratification factors: presence of brain metastases (yes/no), ECOG status (0 or 1), and region (US or Canada or rest of world)

N=410

R*
(2:1)

N=202

Tucatinib + Trastuzumab + Capecitabine (21-day cycle)

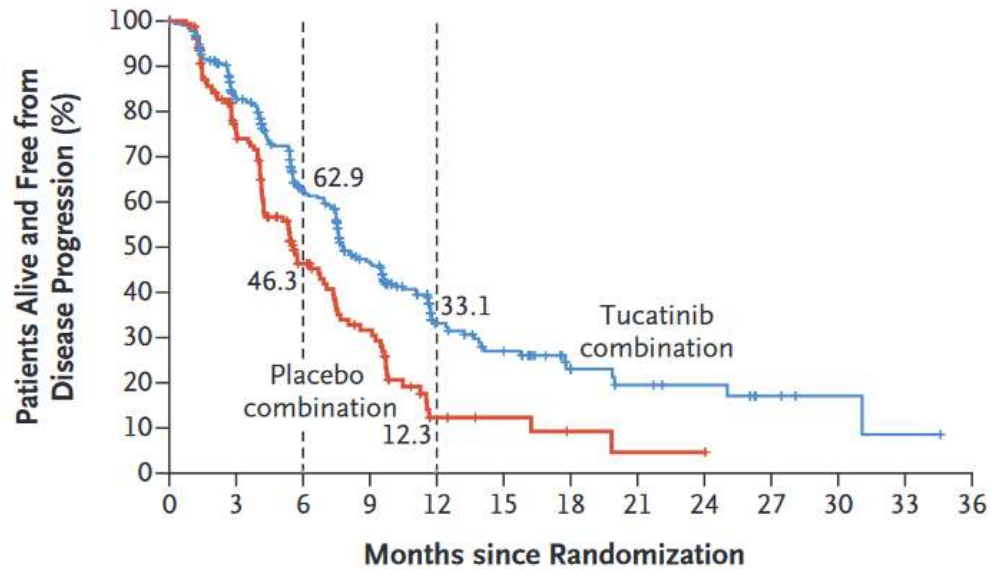
Tucatinib 300 mg PO BID
+
Trastuzumab 6 mg/kg Q3W (loading dose 8 mg/kg C1D1)
+
Capecitabine 1000 mg/m² PO BID (Days 1-14)

Placebo + Trastuzumab + Capecitabine (21-day cycle)

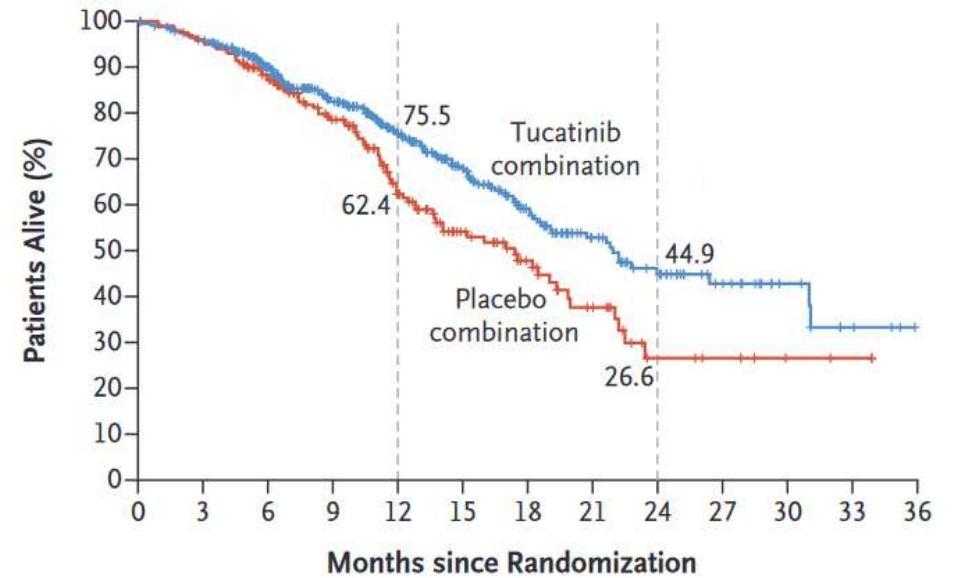
Placebo
+
Trastuzumab 6 mg/kg Q3W (loading dose 8 mg/kg C1D1)
+
Capecitabine 1000 mg/m² PO BID (Days 1-14)

HR+ ~60%; median previous lines of Tx 4; 100% received trast, pert and T-DM1

HER2CLIMB: PFS and OS results



	Events/pts	mPFS	HR (95%CI)
Tucatinib combination	178/320	7.8	
Placebo combination	97/160	5.6	0.54 (0.42-0.71)



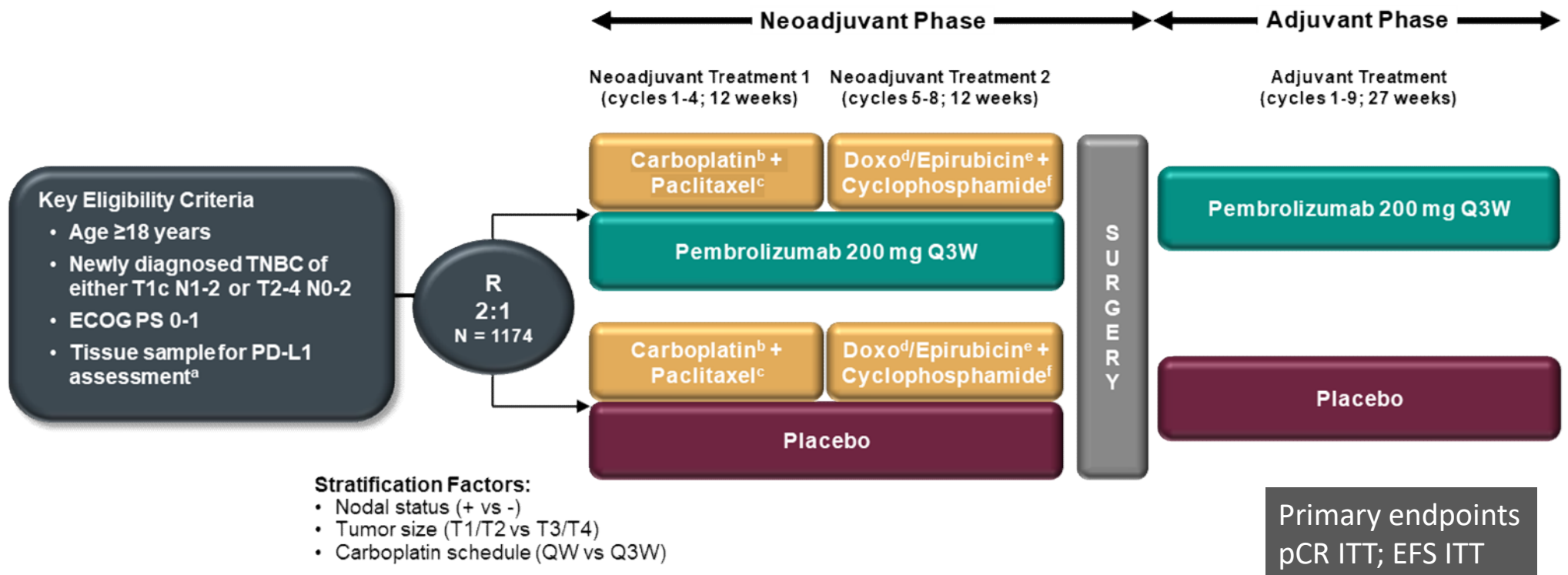
	Events/pts	mOS	HR (95%CI)
Tucatinib combination	130/410	21.9	
Placebo combination	85/202	17.4	0.66 (0.50-0.88)

Outcome in patients with Brain Metastases

	Median survival Tucatinib	Median survival Placebo	1-yr survival Tucatinib	1-yr survival Placebo	HR (95% CI)
PFS	7.6	5.4	25%	0%	0.48 (0.34-0.69)
CNS-PFS	9.9	4.2	40.2%	0%	0.32 (0.22-0.48)
CNS-PFS active BM	9.5	4.1	35.0%	0%	0.36 (0.22-0.57)
CNS-PFS stable BM	13.9	5.6	53.3%	0%	0.31 (0.14-0.67)
OS	18.1	12.0	70.1%	46.1%	0.58 (0.40-0.85)
OS active BM	20.7	11.6	71.7%	41.1%	0.49 (0.30-0.80)
OS stable BM	15.7	13.6	67.6%	55.6%	0.88 (0.45-1.70)

MALATTIA Triplo negativa

KEYNOTE-522 Study Design (NCT03036488)



Neoadjuvant phase: starts from the first neoadjuvant treatment and ends after definitive surgery (post treatment included)

Adjuvant phase: starts from the first adjuvant treatment and includes radiation therapy as indicated (post treatment included)

^aMust consist of at least 2 separate tumor cores from the primary tumor.

^bCarboplatin dose was AUC 5 Q3W or AUC 1.5 QW.

^cPaclitaxel dose was 80 mg/m² QW.

^dDoxorubicin dose was 60 mg/m² Q3W.

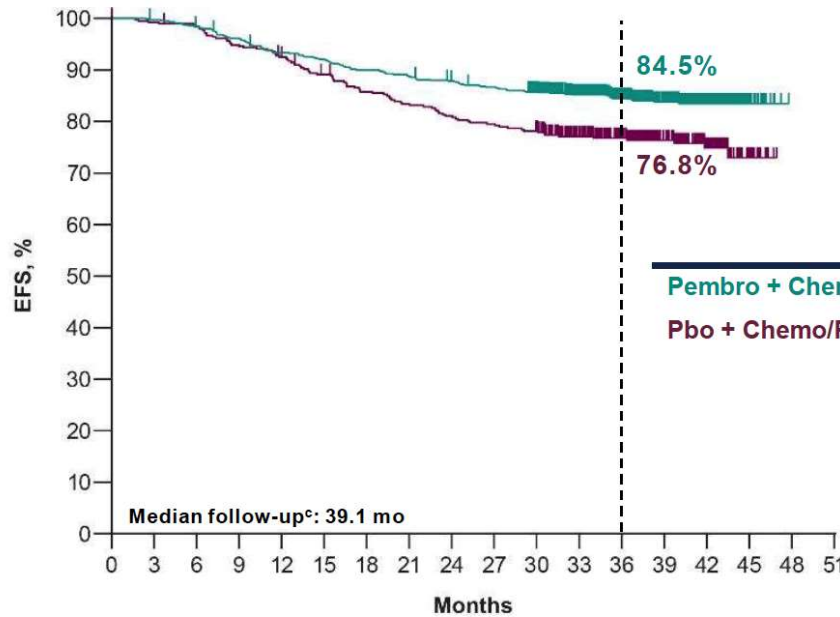
^eEpirubicin dose was 90 mg/m² Q3W.

^fCyclophosphamide dose was 600 mg/m² Q3W.



PD-L1+(CPS IHC 22C3 ≥1): 83%

Statistically Significant and Clinically Meaningful EFS at IA4



	Events	HR (95% CI)	P-value
Pembro + Chemo/Pembro	15.7%	0.63 ^a (0.48-0.82)	0.00031 ^b
Pbo + Chemo/Pbo	23.8%		

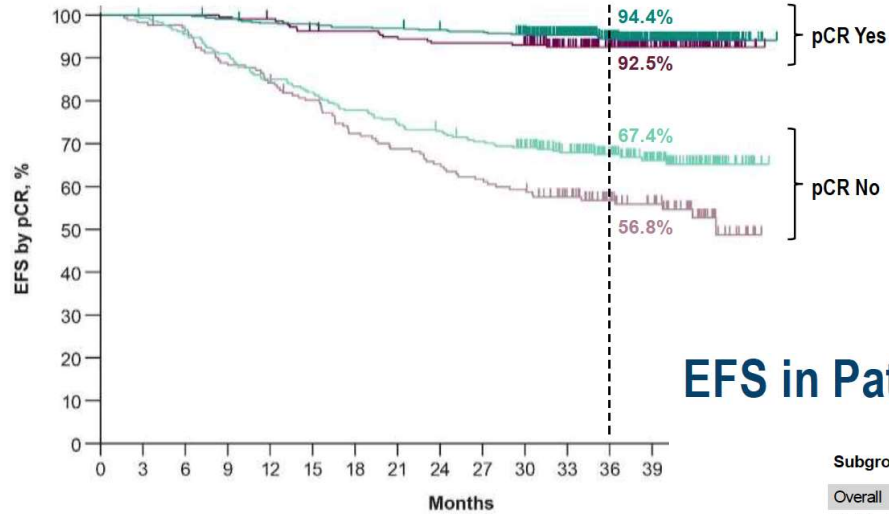
No. at Risk

Months	0	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51
Pembro + Chemo/Pembro	784	781	769	751	728	718	702	692	681	671	652	551	433	303	165	28	0	0
Pbo + Chemo/Pbo	390	386	382	368	358	342	328	319	310	304	297	250	195	140	83	17	0	0

^aHazard ratio (CI) analyzed based on a Cox regression model with treatment as a covariate stratified by the randomization stratification factors. ^bPrespecified P-value boundary of 0.00517 reached at this analysis.

^cDefined as the time from randomization to the data cutoff date of March 23, 2021.

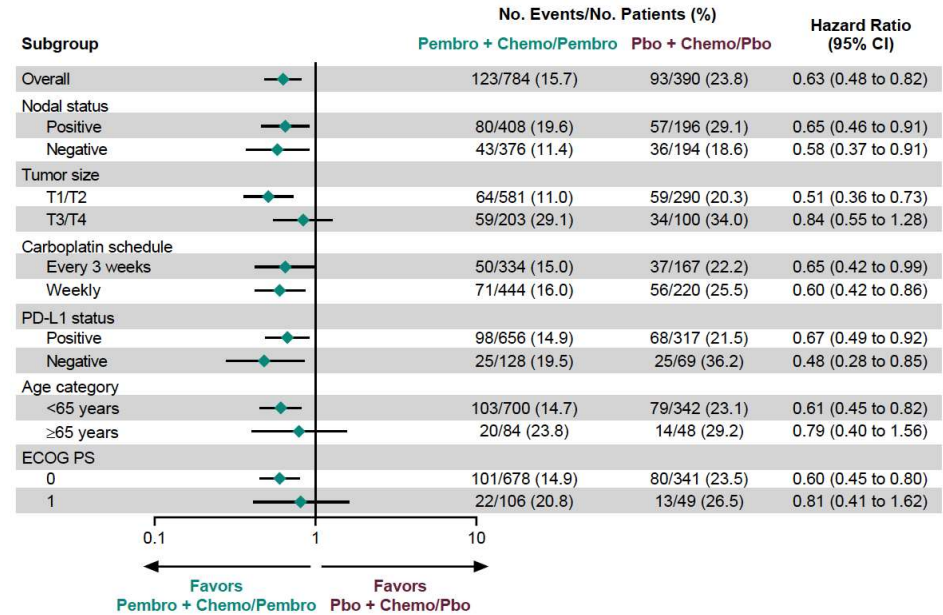
EFS by pCR (ypT0/Tis ypN0)



No. at Risk	0	3	6	9	12	15	18	21	24	27	30	33	36	39
Pembro + Chemo/Pembro Responder	494	494	494	489	483	482	478	477	472	470	460	387	307	220
Pbo + Chemo/Pbo Responder	217	217	217	216	214	207	206	203	200	200	197	165	130	87
Pembro + Chemo/Pembro Non-Responder	290	287	275	262	245	236	224	215	209	201	192	164	126	83
Pbo + Chemo/Pbo Non-Responder	173	169	165	152	144	135	122	116	110	104	100	85	65	53

Data cutoff date: March 23, 2021.

EFS in Patient Subgroups



For overall population and PD-L1 subgroups, analyses based on Cox regression model with Efron's method of tie handling with treatment as a covariate and stratified by nodal status (positive vs negative), tumor size (T1/T2 vs T3/T4), and frequency of carboplatin (once weekly vs once every 3 weeks); for other subgroups, analysis based on unstratified Cox model. Data cutoff date: March 23, 2021.

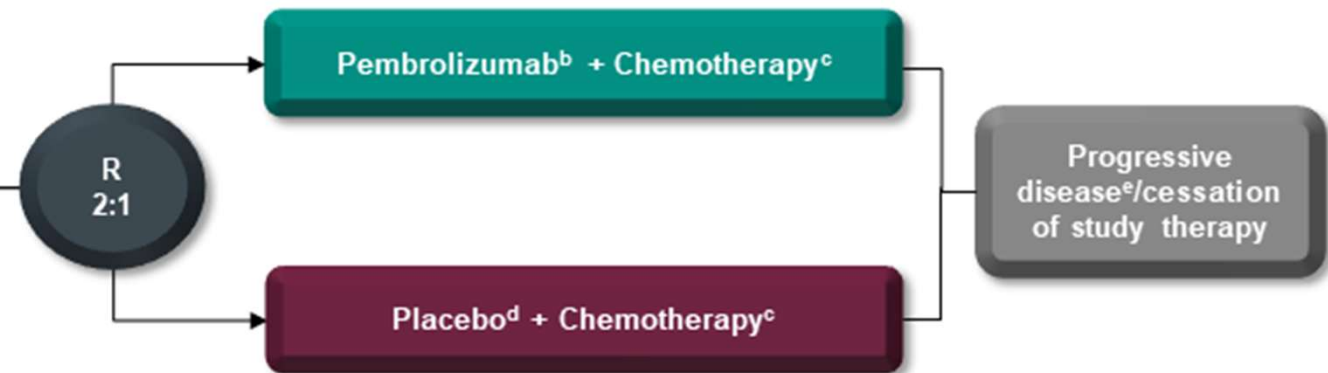
FDA D.I.S.C.O. Burst Edition: FDA approval of Keytruda (pembrolizumab) for high-risk early-stage triple-negative breast cancer

On July 26, 2021, the FDA approved pembrolizumab (brand name Keytruda) for high-risk, early-stage, triple-negative breast cancer in combination with chemotherapy as neoadjuvant treatment, and then continued as a single agent as adjuvant treatment after surgery.

KEYNOTE-355 Study Design (NCT02819518)

Key Eligibility Criteria

- Age ≥ 18 years
- Central determination of TNBC and PD-L1 expression^a
- Previously untreated locally recurrent inoperable or metastatic TNBC
- De novo metastasis or completion of treatment with curative intent ≥ 6 months prior to first disease recurrence
- ECOG performance status 0 or 1
- Life expectancy ≥ 12 weeks from randomization
- Adequate organ function
- No systemic steroids
- No active CNS metastases
- No active autoimmune disease



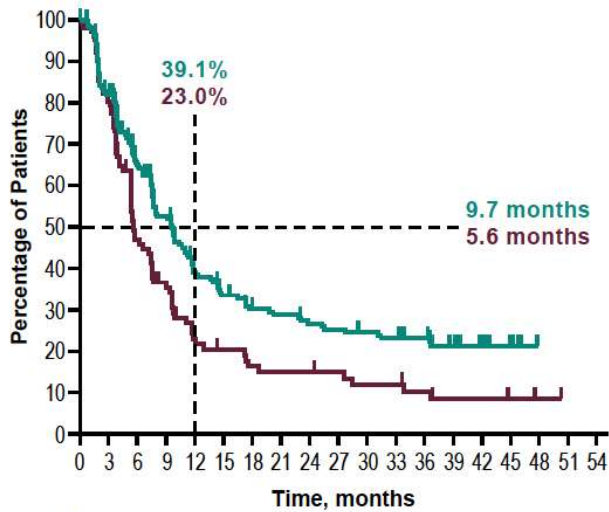
Stratification Factors:

- Chemotherapy on study (taxane or gemcitabine-carboplatin)
- PD-L1 tumor expression (CPS ≥ 1 or CPS < 1)
- Prior treatment with same class chemotherapy in the neoadjuvant or adjuvant setting (yes or no)

^aBased on a newly obtained tumor sample from a locally recurrent inoperable or metastatic site (an archival tumour sample was used with permission from the study sponsor if a new tumor biopsy was not obtainable). ^bPembrolizumab 200 mg intravenous (IV) every 3 weeks (Q3W). ^cChemotherapy dosing regimens are as follows: Nab-paclitaxel 100 mg/m² IV on days 1, 8, and 15 every 28 days; Paclitaxel 90 mg/m² IV on days 1, 8, and 15 every 28 days; Gemcitabine 1000 mg/m²/carboplatin AUC 2 on days 1 and 8 every 21 days. ^eNormal saline. ^dTreatment may be continued until confirmation of progressive disease.

PFS PD-L1 CPS ≥10

	n/N	Events	HR (95% CI)
Pembro + Chemo	144/220	65.5%	0.66 (0.50-0.88)
Placebo + Chemo	81/103	78.6%	

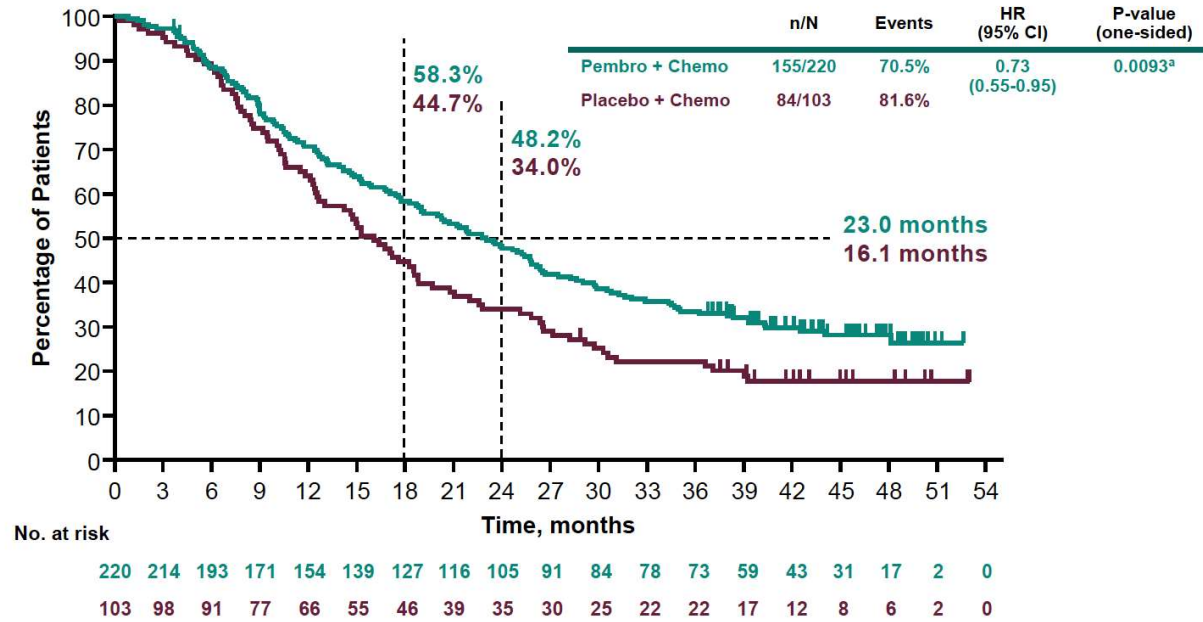


No. at risk

220	173	122	95	63	52	44	42	38	36	34	32	27	19	13	6	0	0	0
103	80	41	30	18	15	12	11	11	10	8	8	6	4	4	3	1	0	0

Data cutoff: June 15, 2021.

Overall Survival: PD-L1 CPS ≥10



^aPrespecified P value boundary of 0.0113 met. Hazard ratio (CI) analyzed based on a Cox regression model with treatment as a covariate stratified by the randomization stratification factors. Data cutoff: June 15, 2021.

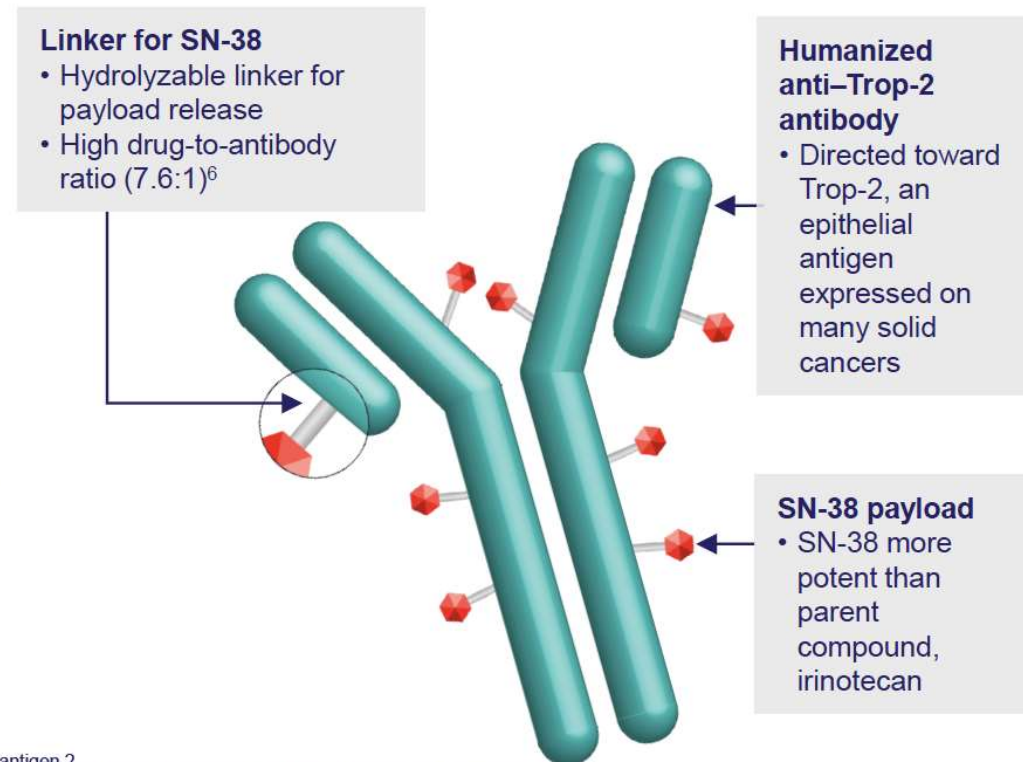
On 16 September 2021, the European Medicines Agency's (EMA's) Committee for Medicinal Products for Human Use (CHMP) adopted a positive opinion recommending a change to the terms of the marketing authorisation for the medicinal product pembrolizumab (Keytruda).

Keytruda, in combination with chemotherapy, is indicated for the treatment of locally recurrent unresectable or metastatic triple negative breast cancer (TNBC) in adults whose tumours express PD-L1 with a combined positive score (CPS) ≥ 10 and who have not received prior chemotherapy for metastatic disease.

Sacituzumab Govitecan (SG) Is a First-in-Class Trop-2–Directed ADC



- Trop-2 is expressed in all subtypes of breast cancer and linked to poor prognosis^{1,2}
- SG is distinct from other ADCs³⁻⁶
 - Antibody highly specific for Trop-2
 - High drug-to-antibody ratio (7.6:1)
 - Internalization and enzymatic cleavage by tumor cell not required for the liberation of SN-38 from the antibody
 - Hydrolysis of the linker also releases the SN-38 cytotoxic extracellularly in the tumor microenvironment, providing a bystander effect
- Granted accelerated approval by the FDA for metastatic TNBC and fast-track designation in metastatic urothelial cancer⁷

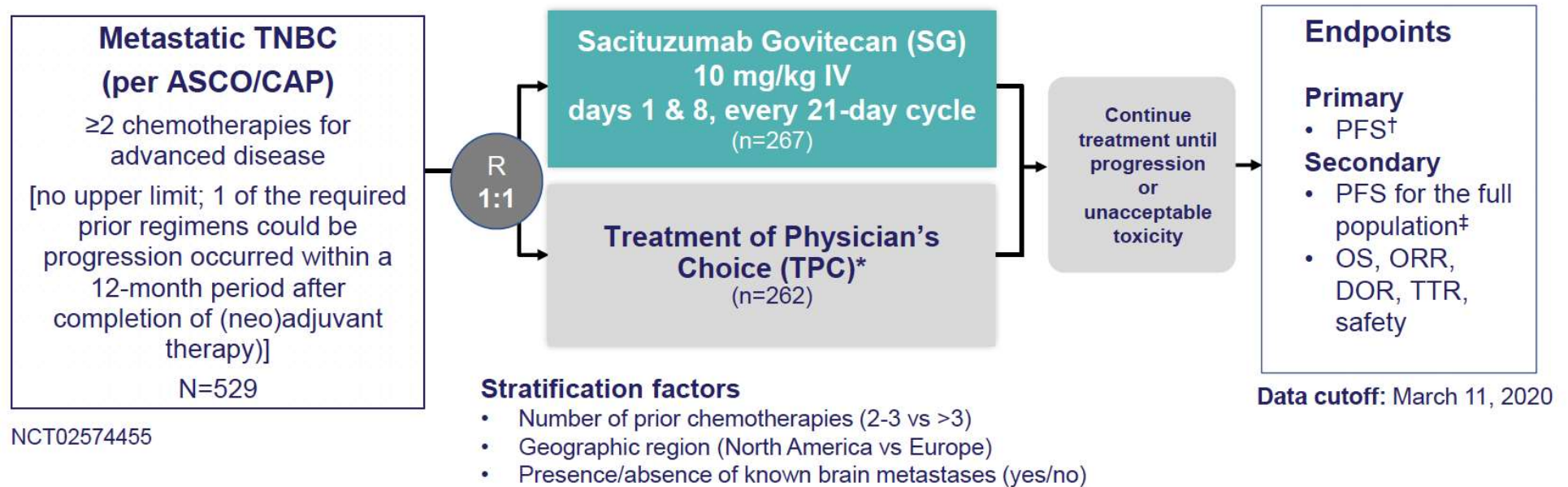


ADC, antibody–drug conjugate; TNBC, triple-negative breast cancer; Trop-2, trophoblast cell surface antigen 2.

1. Vidula N et al. *J Clin Oncol*. 2017;35:15(suppl):Abstract 1075. 2. Ambrogi et al. *PLoS One*. 2014;9(5):e96993. 3. Goldenberg DM et al. *Expert Opin Biol Ther*. 2020 Aug;20(8):871-885. 4. Nagayama A et al. *Ther Adv Med Oncol*. 2020;12:1758835920915980. 5. Cardillo TM et al. *Bioconjugate Chem*. 2015;26:919-931. 6. Goldenberg DM et al. *Oncotarget*. 2015;6:22496-224512. 7. Press Release. <https://www.fda.gov/drugs/drug-approvals-and-databases/fda-grants-accelerated-approval-sacituzumab-govitecan-hziy-metastatic-triple-negative-breast-cancer>. Accessed August 26, 2020.

VIRTUAL 2020 ESMO congress

ASCENT: A Phase 3 Confirmatory Study of Sacituzumab Govitecan in Refractory/Relapsed mTNBC

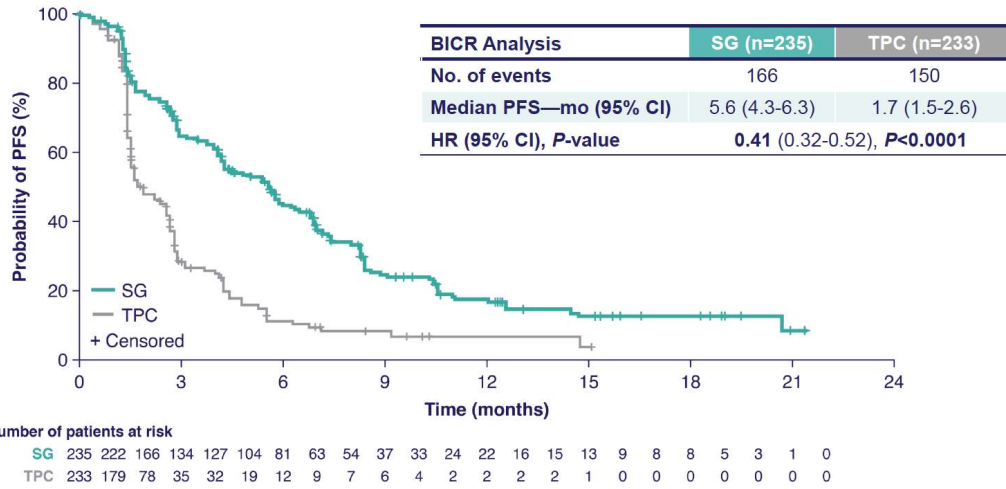


ASCENT was halted early due to compelling evidence of efficacy per unanimous DSMC recommendation. Here, we report the primary results from ASCENT, including PFS and OS.

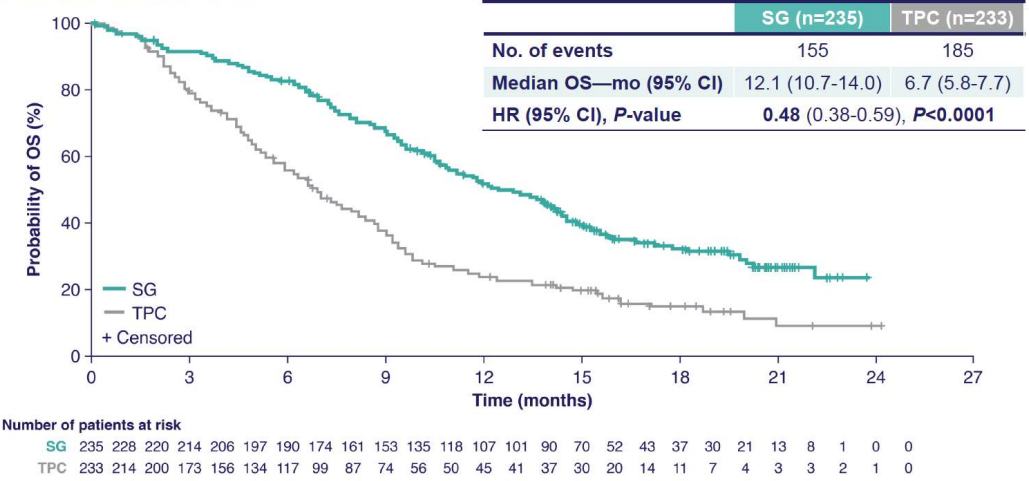
*TPC: eribulin, vinorelbine, gemcitabine, or capecitabine. †PFS measured by an independent, centralized, and blinded group of radiology experts who assessed tumor response using RECIST 1.1 criteria in patients without brain metastasis. ‡The full population includes all randomized patients (with and without brain metastases). Baseline brain MRI only required for patients with known brain metastasis.
 ASCO/CAP, American Society of Clinical Oncology/College of American Pathologists; DOR, duration of response; DSMC, Data Safety Monitoring Committee; IV, intravenous; mTNBC, metastatic triple-negative breast cancer; ORR, objective response rate; OS, overall survival; PFS, progression-free survival; R, randomization; RECIST, Response Evaluation Criteria in Solid Tumors; TTR, time to response.
 National Institutes of Health. <https://clinicaltrials.gov/ct2/show/NCT02574455>.



Progression-Free Survival (BICR Analysis)



Overall Survival



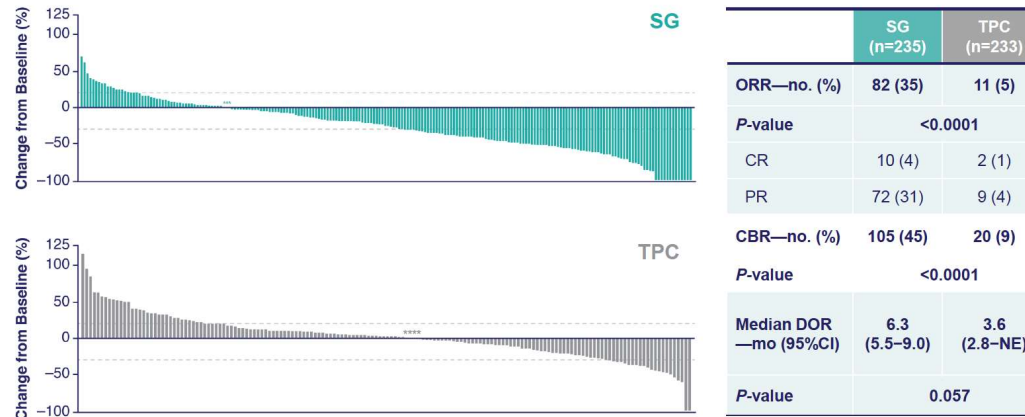
Primary endpoint (PFS) assessed by independent central review in the brain metastases-negative population, as pre-defined in the study protocol.
Secondary endpoint (PFS) assessed in the full population (brain metastases-positive and -negative) and PFS benefit was consistent (HR=0.43 [0.35-0.54], P<0.0001).
BICR, blind independent central review; PFS, progression-free survival; SG, sacituzumab govitecan; TPC, treatment of physician's choice.



Assessed by independent central review in the brain metastases-negative population.
OS, overall survival; SG, sacituzumab govitecan; TPC, treatment of physician's choice.



Overall Response and Best Percent Change From Baseline in Tumor Size



Assessed by independent central review in brain metastases-negative population.
*Denotes patients who had a 0% change from baseline in tumor size.
BICR, blind independent central review; CBR, clinical benefit rate (CR + PR + SD ≥6 mo); CR, complete response; DOR, duration of response; ORR, objective response rate; PR, partial response; SG, sacituzumab govitecan; TPC, treatment of physician's choice; TTR, time to response.



Mutazione BRCA1 e BRCA2

OLAPARIB rimborsato in monoterapia per il trattamento di pazienti con carcinoma mammario localmente avanzato o metastatico HER2-, HR- e con mutazione di BRCA1 o BRCA2, pretrattate con antracicline, taxani e platino nel setting neo/adiuvante o metastatico.

TALAZOPARIB rimborsato in monoterapia per il trattamento di pazienti con carcinoma mammario localmente avanzato o metastatico HER2-, e con mutazione di BRCA1 o BRCA2, pretrattate con antracicline e/o taxani nel setting neo/adiuvante o metastatico.

Le pazienti con malattia HR+ devono essere state precedentemente trattate con terapia endocrina e devono aver ricevuto un inibitore delle chinasi ciclino-dipendenti.

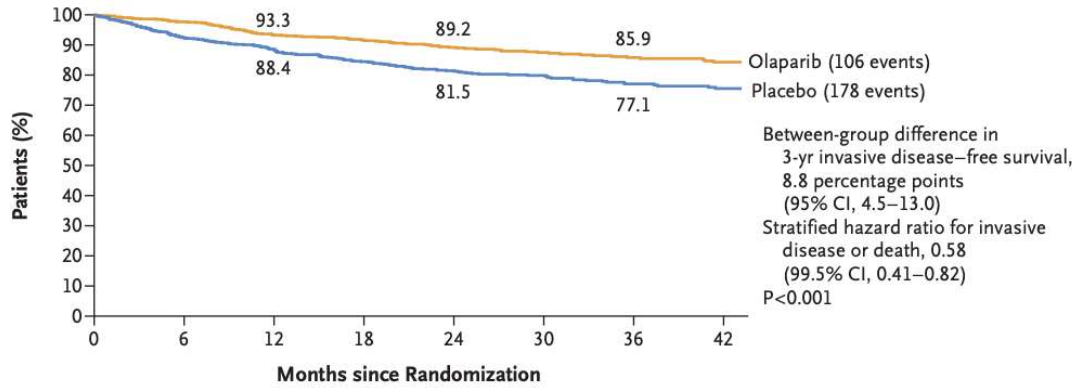
Le pazienti con malattia HR- devono essere state precedentemente pretrattate con chemioterapia a base di platino.

ORIGINAL ARTICLE

Adjuvant Olaparib for Patients with BRCA1- or BRCA2-Mutated Breast Cancer

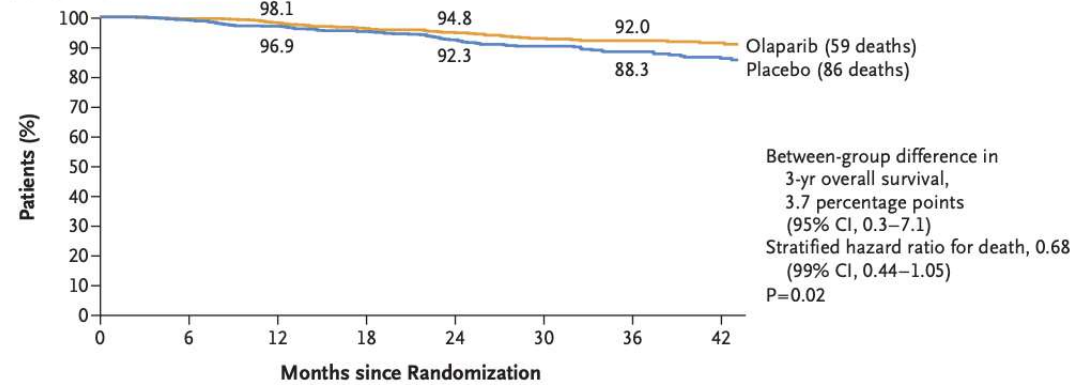
A.N.J. Tutt, J.E. Garber, B. Kaufman, G. Viale, D. Fumagalli, P. Rastogi, R.D. Gelber, E. de Azambuja, A. Fielding, J. Balmaña, S.M. Domchek, K.A. Gelmon, S.J. Hollingsworth, L.A. Korde, B. Linderholm, H. Bandos, E. Senkus, J.M. Suga, Z. Shao, A.W. Pippas, Z. Nowecki, T. Huzarski, P.A. Ganz, P.C. Lucas, N. Baker, S. Loibl, R. McConnell, M. Piccart, R. Schmutzler, G.G. Steger, J.P. Costantino, A. Arahmani, N. Wolmark, E. McFadden, V. Karantza, S.R. Lakhani, G. Yothers, C. Campbell, and C.E. Geyer, Jr., for the OlympiA Clinical Trial Steering Committee and Investigators*

Invasive Disease-free Survival



No. at Risk	0	6	12	18	24	30	36	42
Olaparib	921	820	737	607	477	361	276	183
Placebo	915	807	732	585	452	353	256	173

Overall Survival



No. at Risk	0	6	12	18	24	30	36	42
Olaparib	921	856	801	659	531	400	310	205
Placebo	915	865	801	659	516	397	292	199

Conclusioni

- Programmi di screening
- Terapie adiuvanti
- Caratterizzazione molecolare
- Nuovi farmaci
- Multidisciplinarietà
- Presa in carico