



In occasione della
GIORNATA NAZIONALE
del tumore mammario metastatico

2024
CARCINOMA
MAMMARIO METASTATICO:
QUALI NOVITÀ?

*Conoscere le novità per assicurare
il trattamento migliore a ogni paziente*

11 OTTOBRE 2024

ROMA

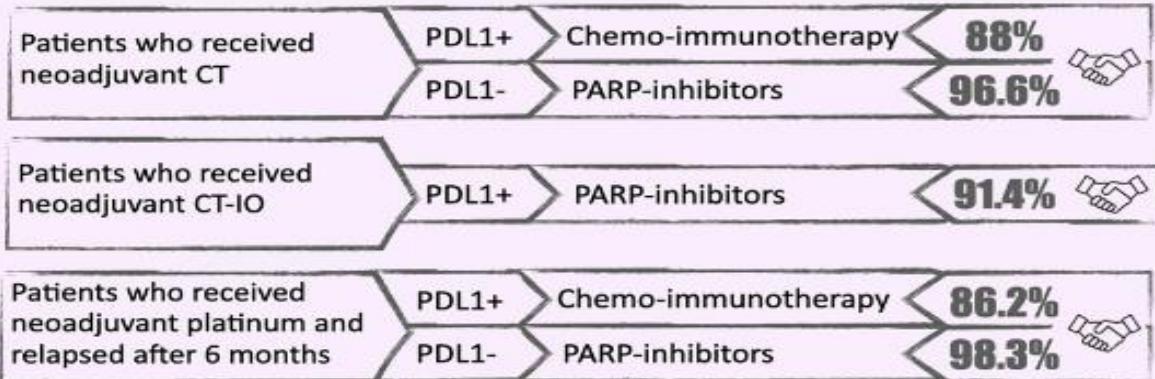
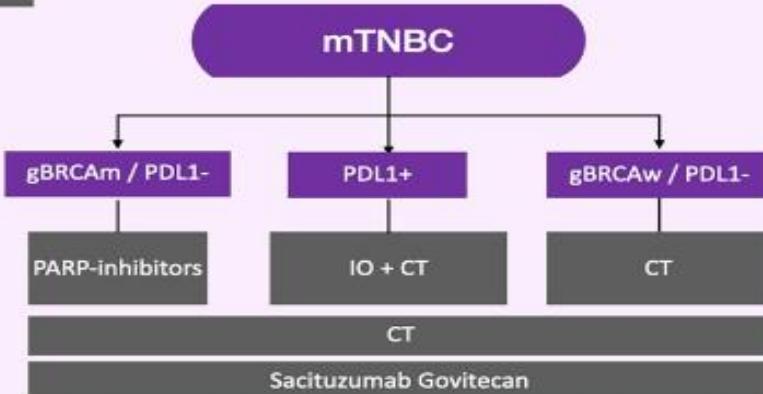
Hotel Mediterraneo

Il carcinoma mammario metastatico in donne con VP gBRCA

Laura Cortesi

SS Genetica Oncologica-AOU Policlinico Modena

3A



3B



If recurrence occurs within 12 months after CDK4/6i in adjuvant setting, PARP inhibitors would be preferable to CDK4/6i in the first line.

If recurrence occurs after 12 months after CDK4/6i in adjuvant setting, PARP inhibitors would be preferable to CDK4/6i in the first line.

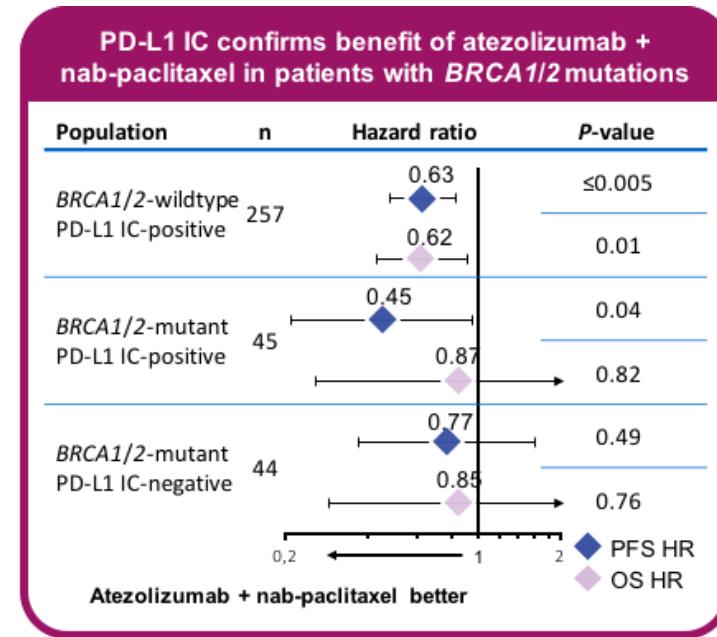
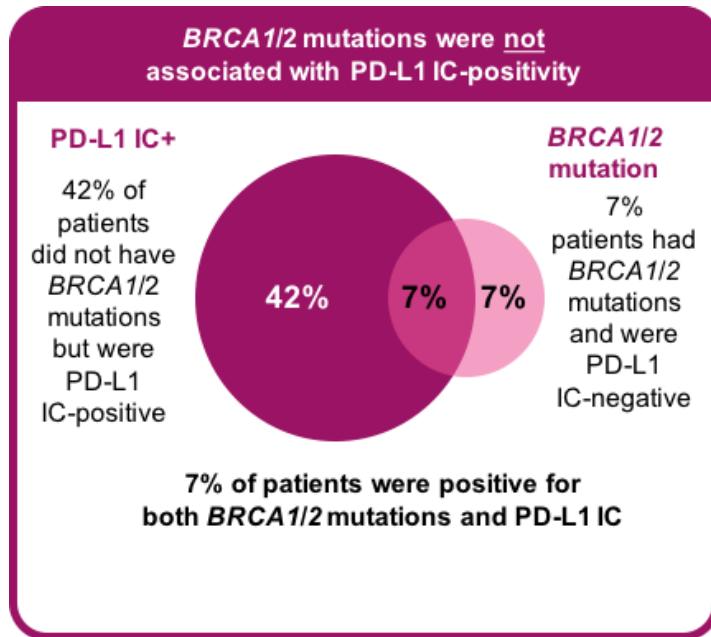
Metastatic HR-positive BC

If in early progression on CDK4/6i+ET, PARP inhibitor treatment would be preferable to CT.

If late progression to CDK4/6i+ET, PARP inhibitor treatment would be preferable to ET +/- target therapy.



IMPASSION130: CLINICAL BENEFIT OF ATEZOLIZUMAB + NAB-PACLITAXEL IN THE PD-L1 IC+ SUBGROUP



OLYMPIAD: PHASE III STUDY OF OLAPARIB VS. TPC IN gBRCAm HER2- MBC¹

Study design

- gBRCAm mBC
- TNBC or HER2-negative, ER/PR positive
- ≤2 prior chemotherapy lines for mBC
- Previous treatment with anthracycline and taxane in either the (neo)adjuvant or metastatic setting
- Hormone receptor positive (HR+) disease progressed on ≥1 endocrine therapy, or not suitable
- If patients have received platinum therapy there should be:
 - No evidence of progression during treatment in the advanced setting
 - At least 12 months since (neo)adjuvant treatment and randomisation
- ECOG PS 0-1
- At least one lesion that can be assessed by RECIST v1.1

FSI May 2014:³
Global Study in
19 countries and
approximately 141 sites¹

Randomise 2:1
n=302⁴

Olaparib
300mg* po bid

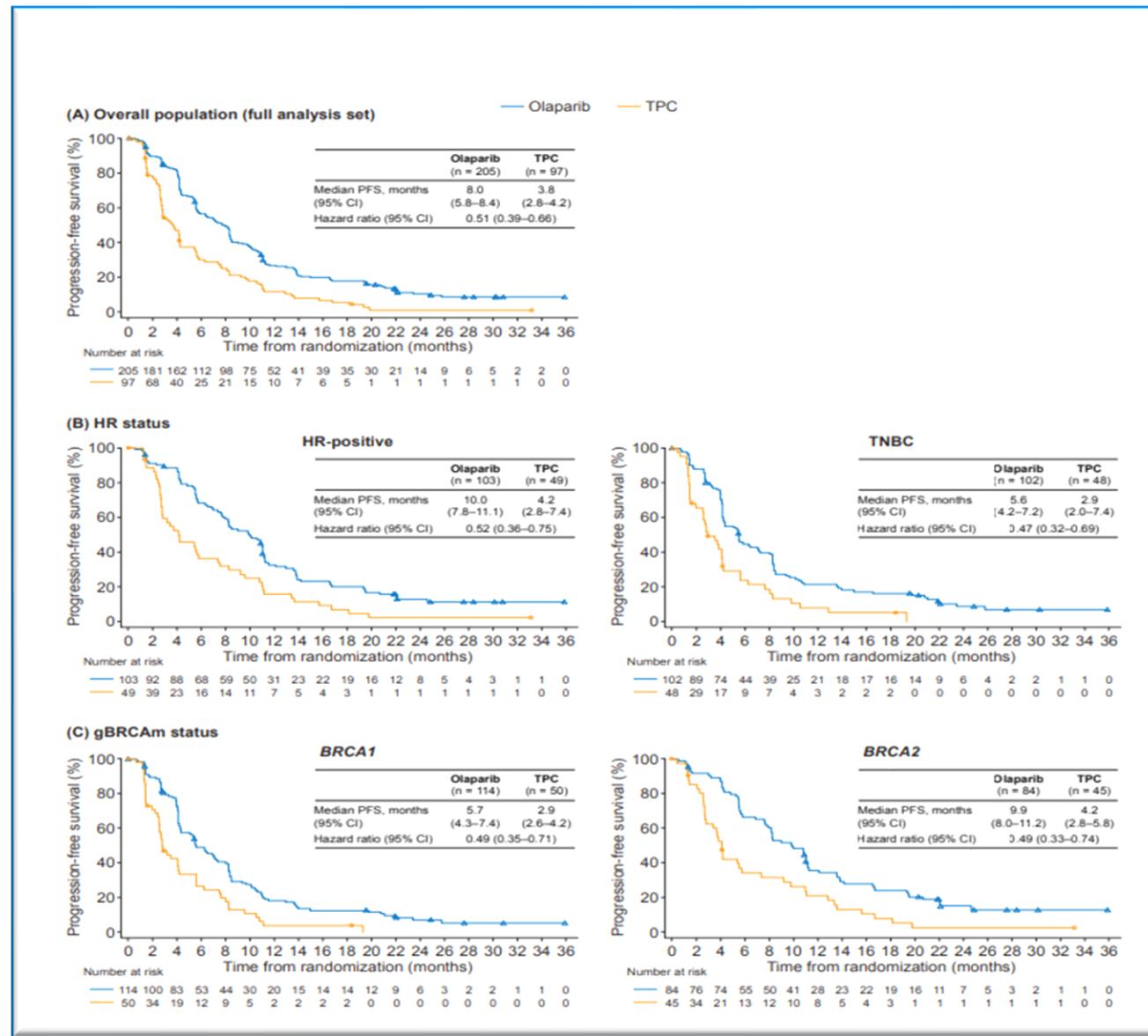
**Treatment of
Physician's Choice**
(TPC)

- Primary endpoint
- PFS (RECIST 1.1, Independent Review)
- Secondary endpoints
- OS
 - PFS2
 - ORR
 - PFS, PFS2 and OS based on Myriad gBRCAm status
 - HRQoL (EORTC-QLQ-C30)
 - Safety and tolerability

* Tablet formulation (2 tablets twice daily)

¹Robson et al. N Engl J Med. 2017; 377:523-533

PFS at 18 months of median fullow-up



INDICAZIONE APPROVATA:

Lymparza è indicato come monoterapia per il trattamento di pazienti adulti con mutazioni germinali BRCA1/2, affetti da carcinoma mammario HER2-negativo a recettori negativi metastatico. I pazienti devono essere stati precedentemente trattati con una antraciclina e un taxano nel contesto (neo)adiuvante, localmente avanzato o metastatico, ad eccezione dei pazienti non idonei per tali trattamenti

I pazienti con carcinoma mammario positivo ai recettori ormonali (HR) devono essere stati precedentemente trattati con terapia endocrina o ritenuti non idonei alla terapia endocrina.



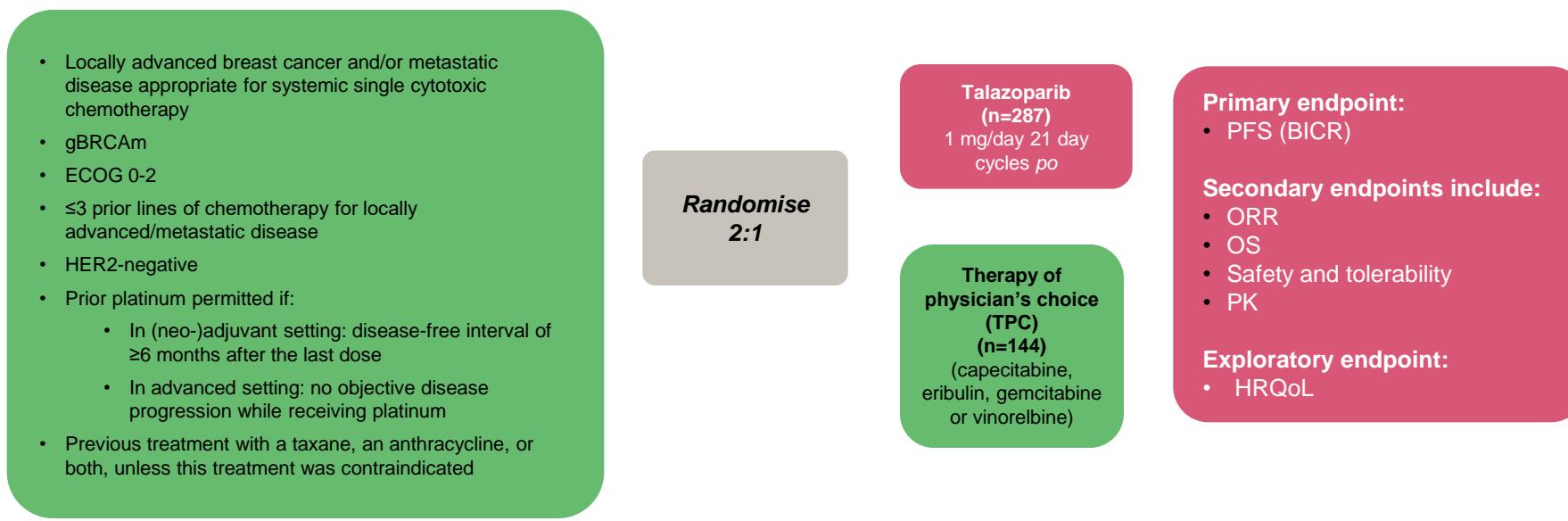
INDICAZIONE RIMBORSATA:

Lymparza è indicato come monoterapia per il trattamento di pazienti adulti con mutazioni germinali BRCA1/2, affetti da carcinoma mammario HER2-negativo, recettori ormonali negativi, localmente avanzato o metastatico. I pazienti devono essere stati precedentemente trattati con una antraciclina e un taxano e devono aver ricevuto una chemioterapia a base di platino nel contesto (neo)adiuvante, localmente avanzato o metastatico, ad eccezione dei pazienti non idonei per tali trattamenti

[Scheda di monitoraggio AIFA](#)

EMBRACA: PHASE III STUDY OF TALAZOPARIB VS. TPC IN PATIENTS WITH LOCALLY ADVANCED OR METASTATIC BREAST CANCER

Study design



Patients stratified according to:

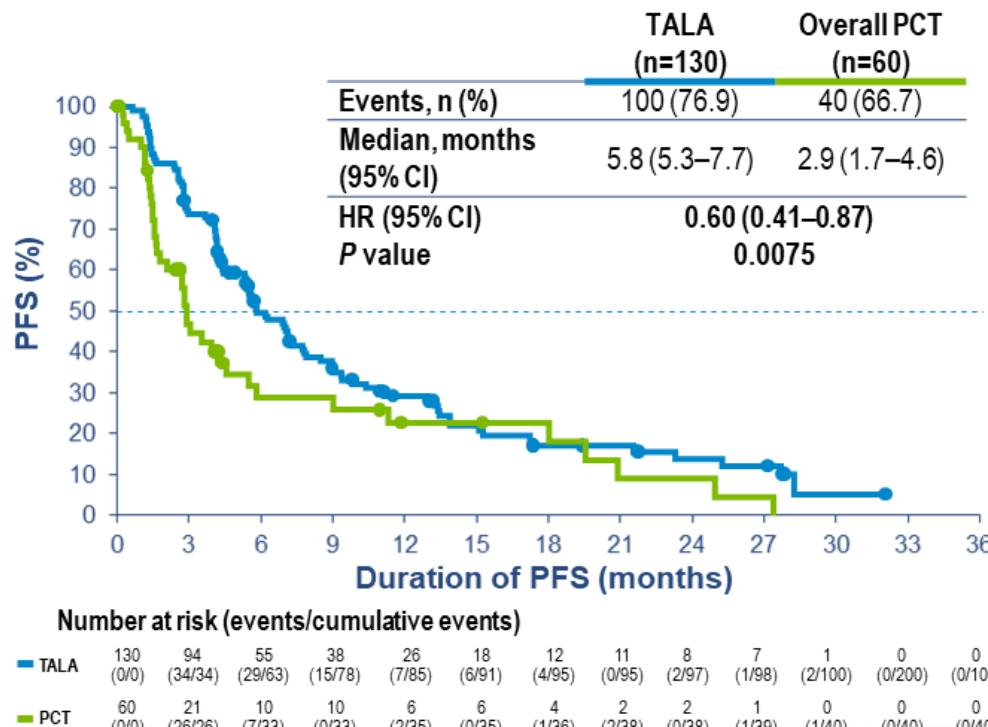
- Number of prior chemotherapy regimens (0 vs. 1,2,3)
- Triple negative status (HR+ vs. TNBC)
- History of CNS metastasis (y/n)

Litton J et al. N Engl J Med 2018; 379:753–763

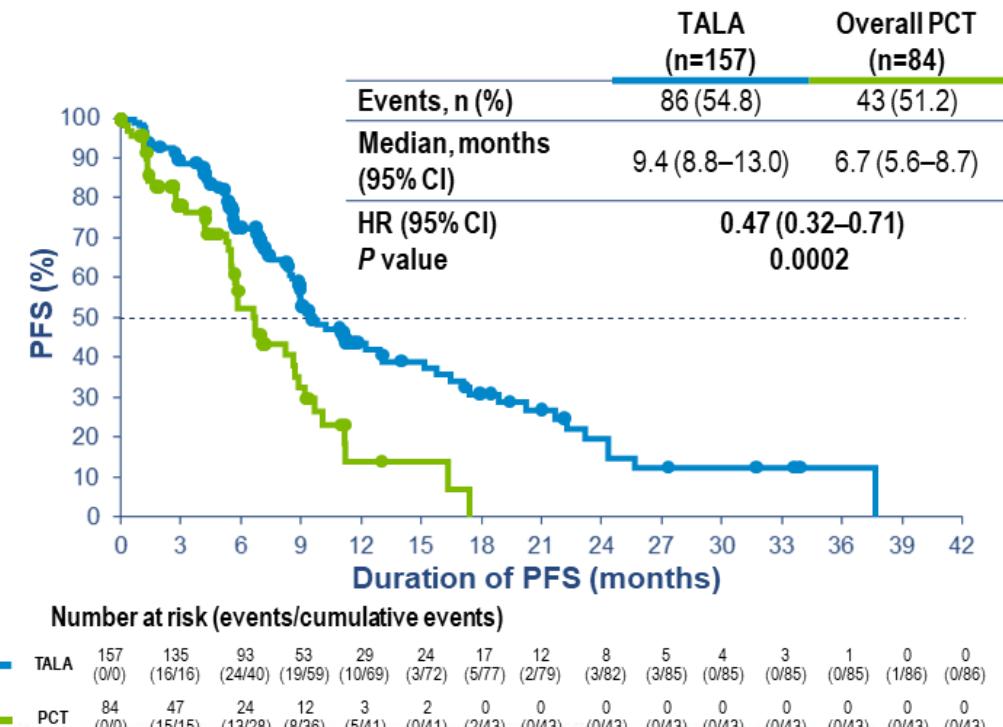
EMBRACA: PFS IN BASE ALL'ESPRESSIONE DEI RECETTORI ORMONALI

Characteristic	Talazoparib (N = 287)	Chemotherapy (N = 144) (capecitabine [44%], eribulin [40%], gemcitabine [10%], and vinorelbine [7%])
Triple-negative BC, n (%)	130 (45.3)	60 (41.7)
Hormone receptor-positive BC, n (%)	157 (54.7)	84 (58.3)

PFS nel sottogruppo TNBC



PFS nel sottogruppo HR+/HER2-



INDICAZIONE APPROVATA:

Talzenna è indicato come monoterapia per il trattamento di pazienti adulti con mutazioni germinali BRCA1/2, affetti da carcinoma mammario HER2-negativo localmente avanzato o metastatico. I pazienti devono essere stati precedentemente trattati con una antraciclina e/o un taxano nel contesto (neo)adiuvante, localmente avanzato o metastatico, ad eccezione dei pazienti non idonei per tali trattamenti (vedere paragrafo 5.1).

I pazienti con carcinoma mammario positivo ai recettori ormonali (HR) devono essere stati precedentemente trattati con terapia endocrina o ritenuti non idonei alla terapia endocrina.

INDICAZIONE RIMBORSATA:

Talzenna è indicato come monoterapia per il trattamento di pazienti adulti con mutazioni germinali BRCA1/2, affetti da carcinoma mammario HER2-negativo localmente avanzato o metastatico. I pazienti devono essere stati precedentemente trattati con una antraciclina e/o un taxano nel contesto (neo)adiuvante, localmente avanzato o metastatico, ad eccezione dei pazienti non idonei per tali trattamenti (vedere paragrafo 5.1).

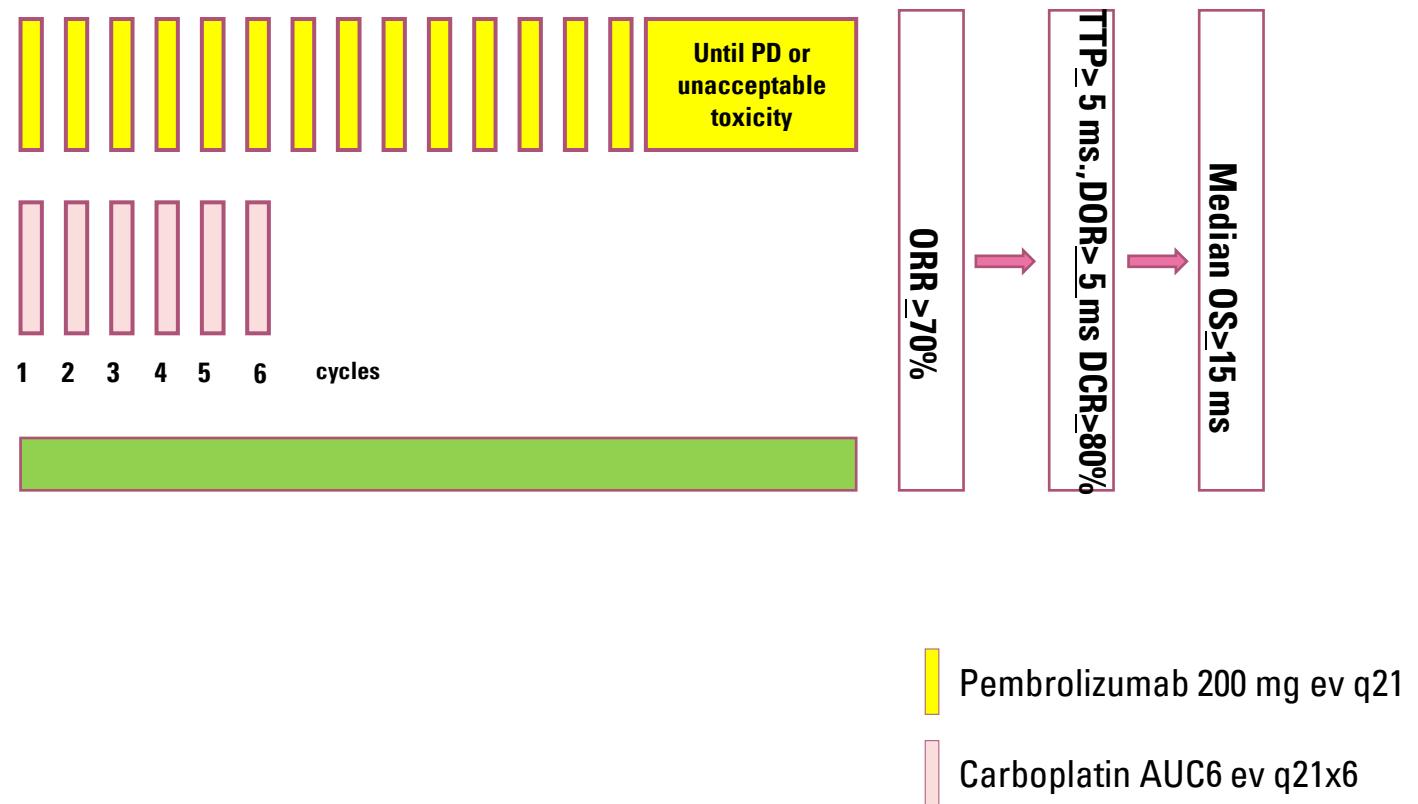
I pazienti con carcinoma mammario positivo ai recettori ormonali (HR) devono essere stati precedentemente trattati con terapia endocrina o ritenuti non idonei alla terapia endocrina e devono aver ricevuto una linea di trattamento con inibitori delle chinasi ciclina-dipendenti (CDK4/6).

I pazienti con carcinoma mammario negativo ai recettori ormonali (HR) devono essere stati precedentemente trattati con chemioterapia a base di platino, ad eccezione dei pazienti non idonei per tale trattamento.

PEMBRACA STUDY DESIGN

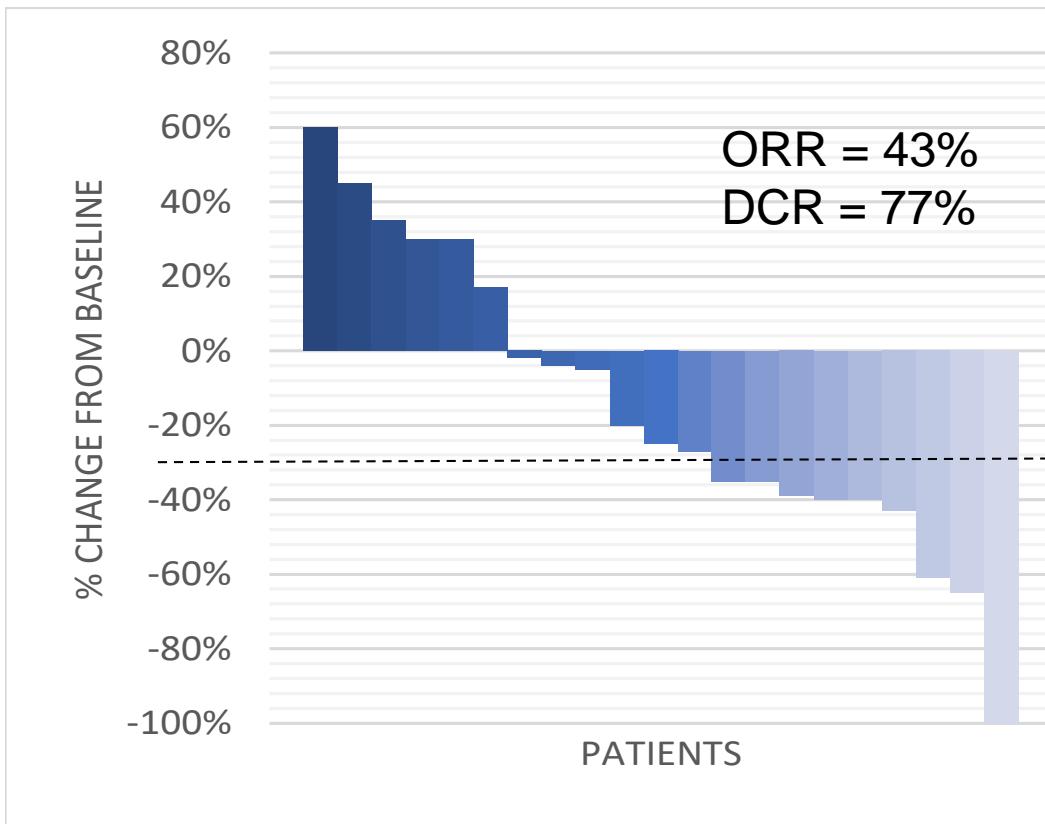
- Evidence of metastatic disease gBRCAm
- No more than one line of chemotherapy for mBC
- At least one measurable lesion according to RECIST 1.1
- ECOG 0-1
- Males or females age \geq 18 years at the time of informed consent
- Adequate hematological, hepatic and renal function

Two step Simon design
N=20; if ORR \geq 12 \rightarrow 53

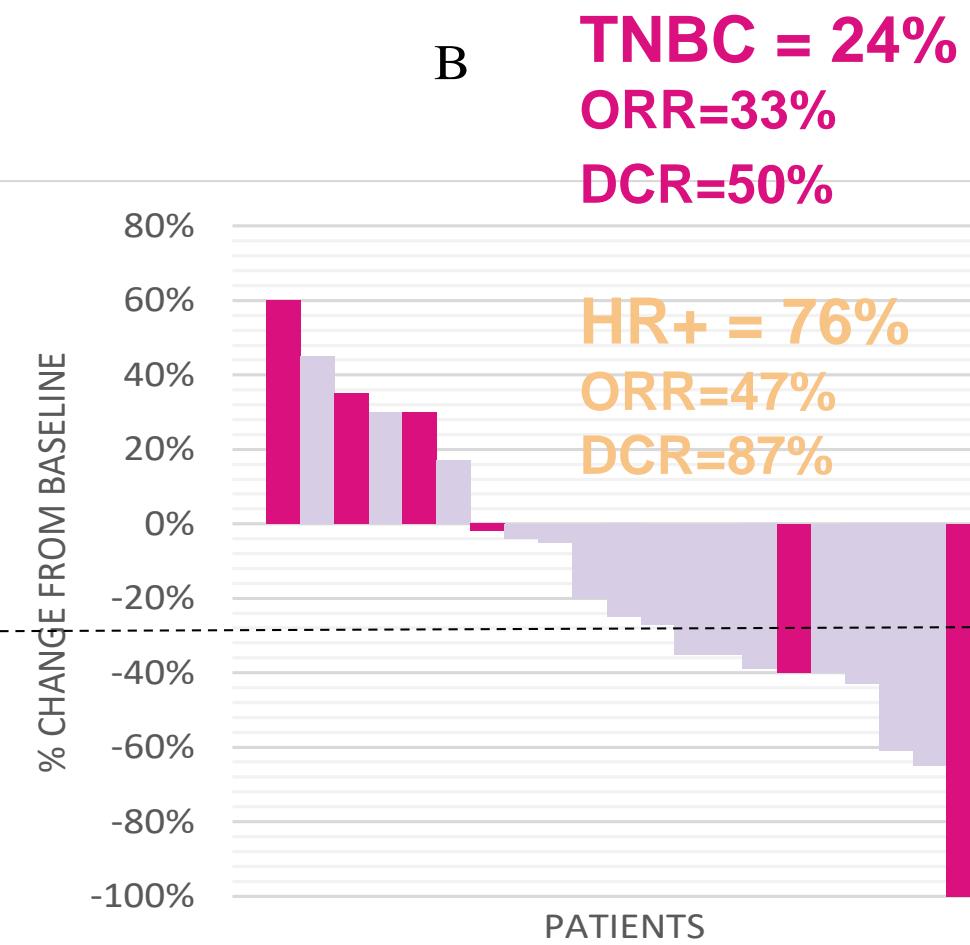


ORR AND DCR ACCORDING TO HR STATUS

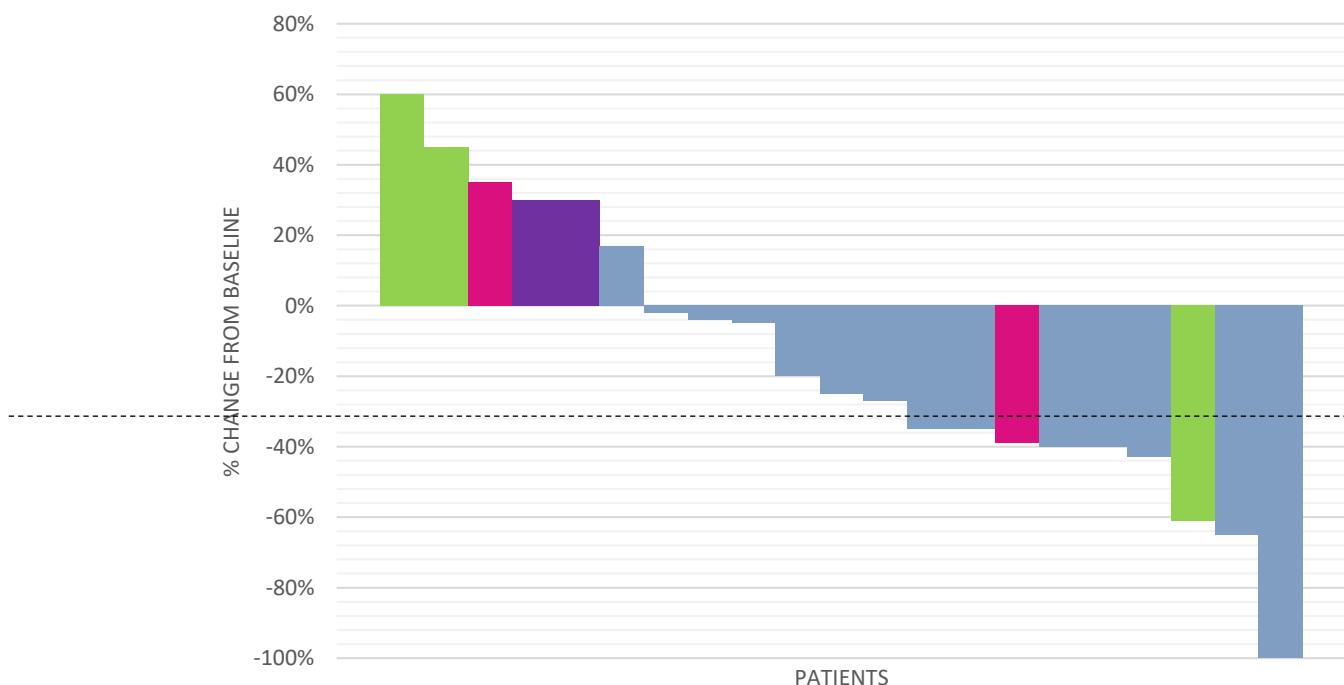
A



B



RR ACCORDING TO THE LINE OF TREATMENT FOR MBC



Tax

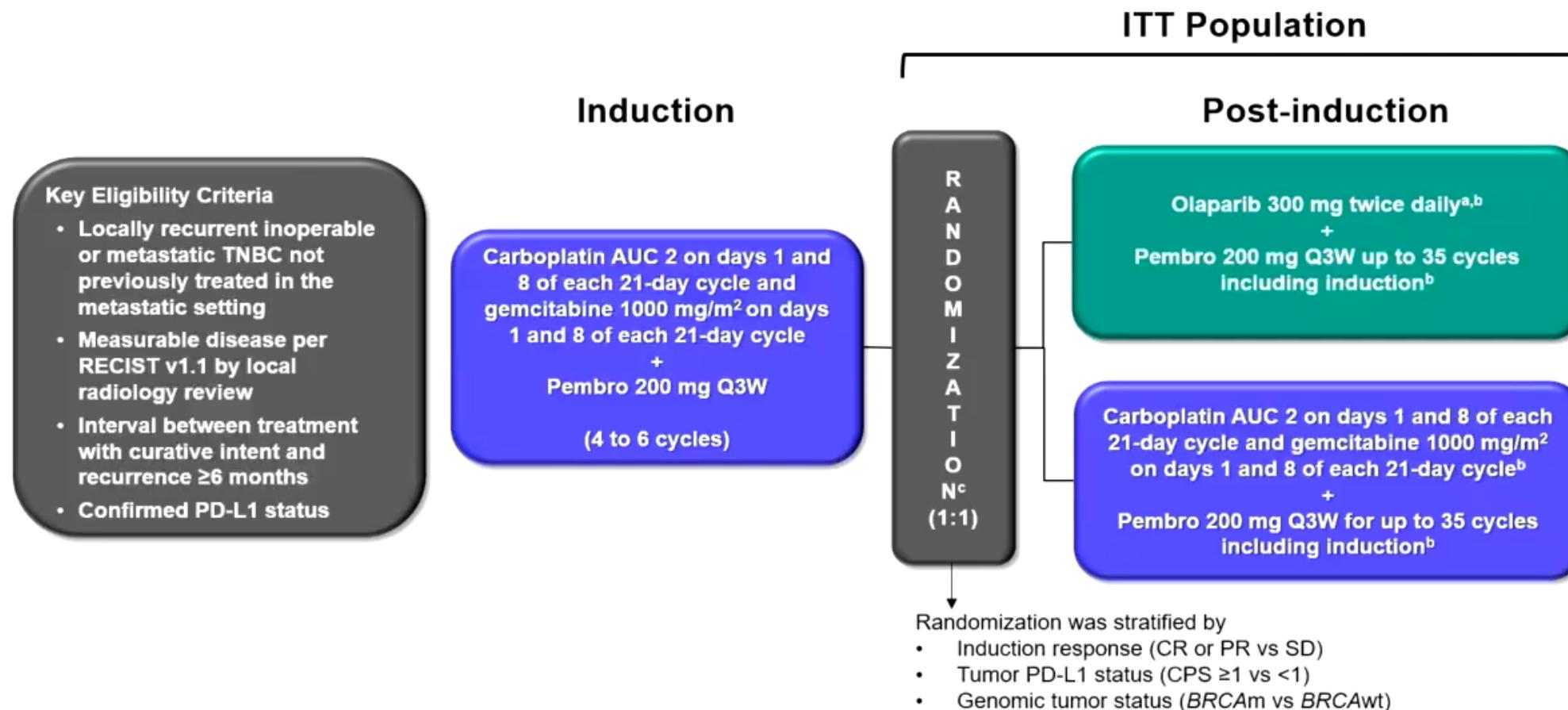
Anthra

Other CT (cape)

ORR=38%, DCR=38%

None ORR=46%,
DCR=100%

KEYLYNK-009 (NCT04191135): Study Design

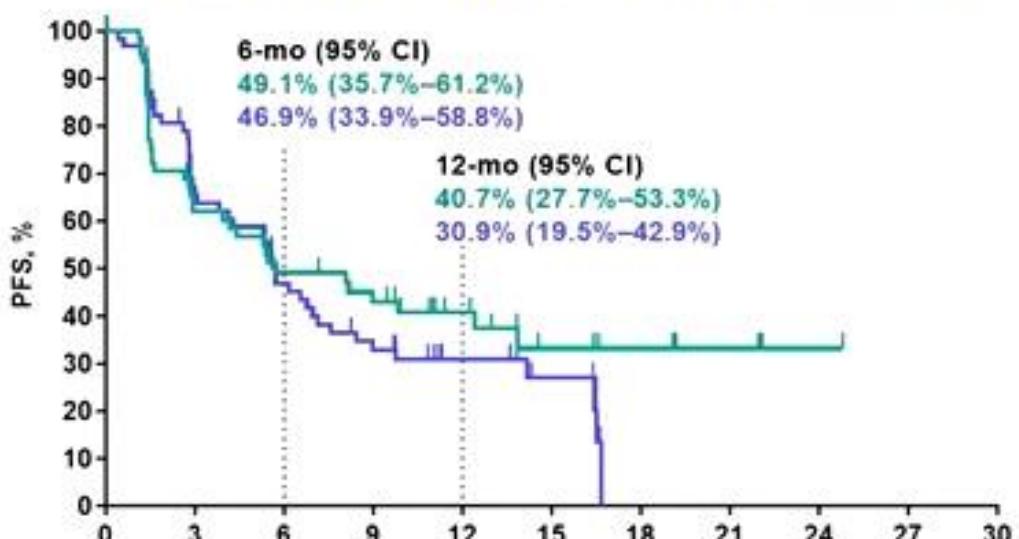


^aOlaparib was administered postinduction and given concurrently with pembrolizumab. ^bUntil disease progression or unacceptable toxicity. ^cITT population was determined from randomization (not from the time of enrollment). This presentation is the intellectual property of the author/presenter. Contact them at hope.rugo@ucsf.edu for permission to reprint and/or distribute.

PFS per RECIST v1.1 by BICR: PD-L1 CPS ≥ 10 and tBRCAm

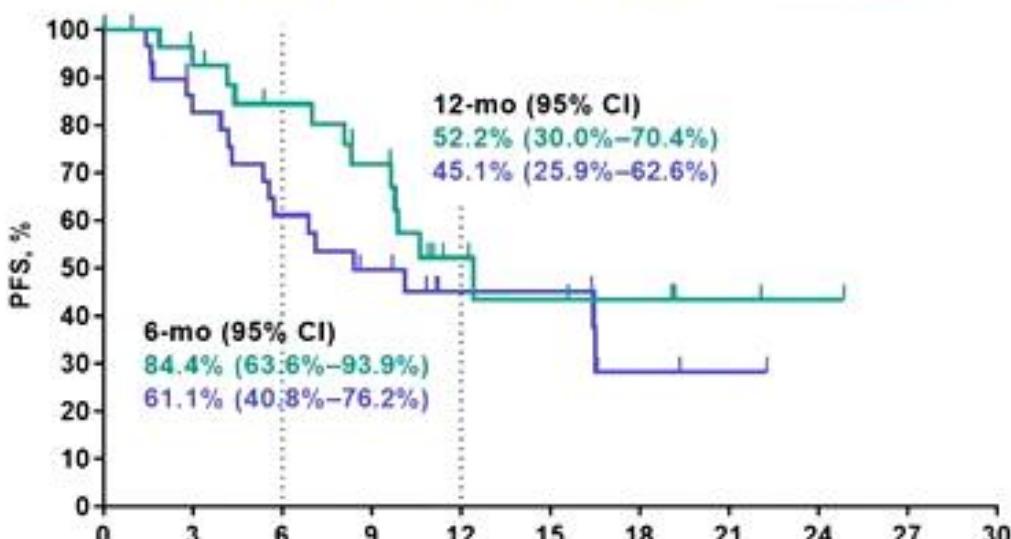
Tumor PD-L1 CPS ≥ 10 Population

	Events, n (%)	Median, mo (95% CI)	HR ^a (95% CI)
Pembro + Olaparib	36 (55.4)	5.7 (2.9–13.9)	0.92 (0.59–1.43)
Pembro + Chemo	45 (69.2)	5.7 (3.8–7.6)	



tBRCAm Population

	Events, n (%)	Median, mo (95% CI)	HR ^b (95% CI)
Pembro + Olaparib	12 (41.4)	12.4 (8.3–NR)	0.70 (0.33–1.48)
Pembro + Chemo	17 (56.7)	8.4 (5.4–NR)	



No. at risk										Time from randomization, mo												
65	35	25	21	13	7	5	3	1	0	0	0	29	24	20	16	7	5	4	2	1	0	0
65	39	27	18	11	6	0	0	0	0	0	0	30	23	16	12	7	7	2	1	0	0	0

NR, not reached; tBRCAm, tumor BRCA mutation (includes germline and somatic mutations). ^aHR (pembrolizumab + olaparib vs pembrolizumab + chemo) based on Cox regression model with Efron's method of tie handling with treatment as a covariate stratified by response to induction therapy and BRCA status. ^bHR (pembrolizumab + olaparib vs pembrolizumab + chemo) based on Cox regression model with Efron's method of tie handling with treatment as a covariate stratified by response to induction therapy and tumor PD-L1 status.
Data cutoff date: December 15, 2022. This presentation is the intellectual property of the author/presenter. Contact them at hope.rugo@ucsf.edu for permission to reprint and/or distribute.

Adverse Events Summary (As-Treated Population)

	Pembro + Olaparib n = 135	Pembro + Chemo n = 133
Treatment-related AEs		
Any grade treatment-related AEs	114 (84.4)	128 (96.2)
Grade 3–5 treatment-related AEs	44 (32.6) ^a	91 (68.4) ^b
Treatment-related AEs leading to discontinuation of any treatment	12 (8.9)	26 (19.5)
Immune-Mediated AEs and Infusion Reactions^c		
Any grade	26 (19.3)	31 (23.3)
Grade 3/4 ^d	6 (4.4)	6 (4.5)
Led to discontinuation of any treatment	0	4 (3.0)

Data are n (%) of patients.

^aThere were no grade 5 events in the pembro + olaparib group.

^b2 patients had grade 5 events in the pembro + chemo group (gastrointestinal hemorrhage and thrombotic thrombocytopenic purpura, n = 1 each).

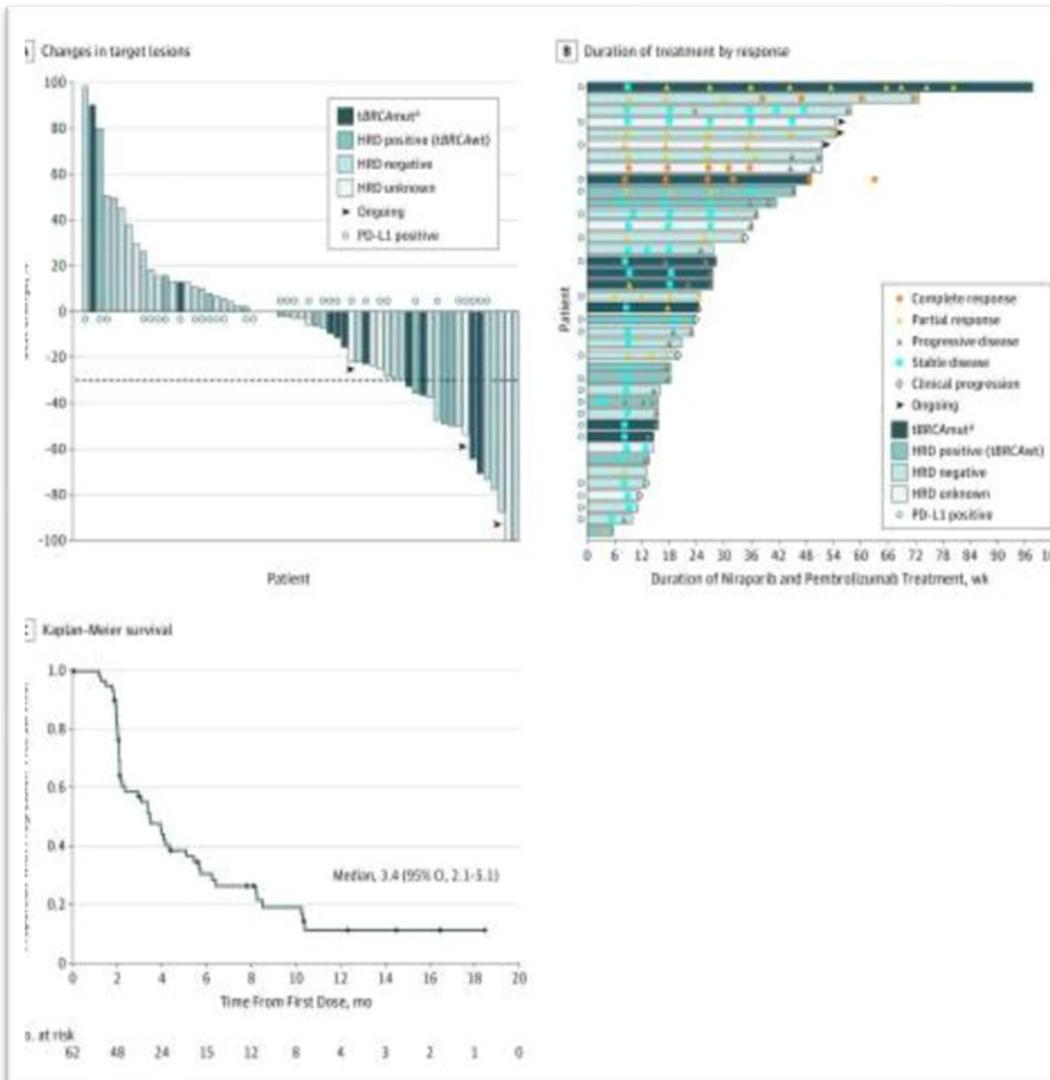
^cImmune-mediated AEs and infusion reactions were based on a list of preferred terms intended to capture known risks of pembrolizumab and were considered regardless of attribution to study treatment by the investigator.

^dThere were no grade 5 events in either group.

Data cutoff date: December 15, 2022.

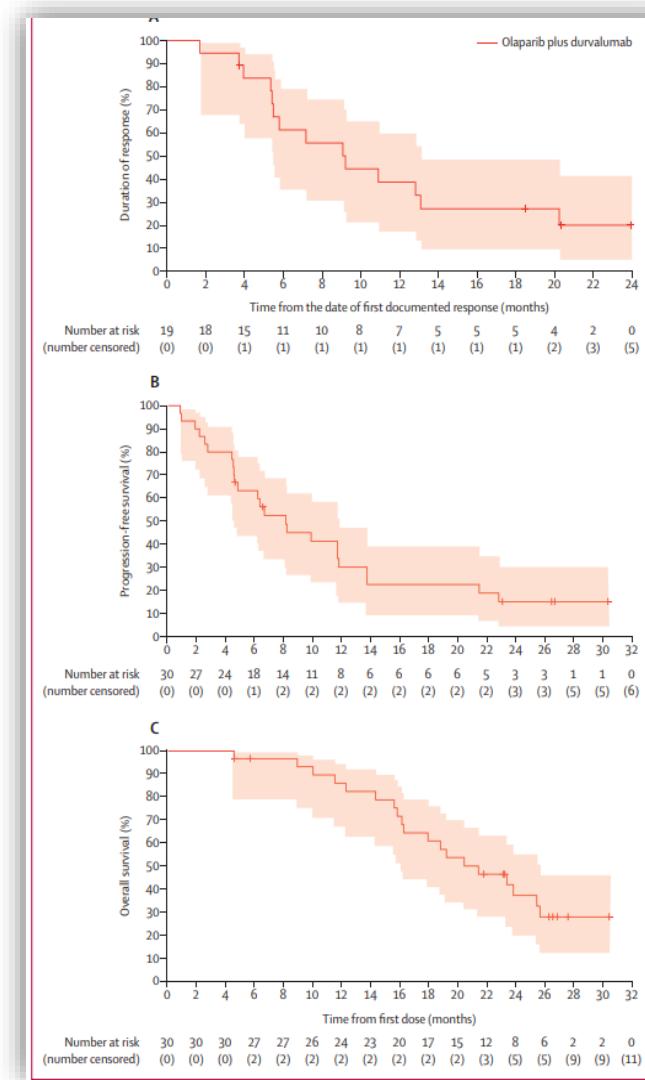
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TOPACIO:NIRAPARIB+PEMBROLIZUMAB



Konstantinopoulos P et al. JAMA Oncol 2019

MEDIOLA: OLAPARIB + DURVALUMAB



Domchek S et al. Lancet Oncol 2021

PLATINUM-BASED CHEMOTHERAPY AND PARP INHIBITORS FOR BRCA MUTATED METASTATIC BREAST CANCER (LATER-BC): RETROSPECTIVE MULTICENTRE ANALYSIS OF POST-PROGRESSION TREATMENTS

Methods

- Multicenter, observational, retrospective study in five Italian Institutions. Diagnosed at least 18 years old or more, with eligibility criteria were collected (from March 2023). Patients were divided into three groups.
- Eligibility criteria**
 - gBRCA-PV
 - HER2-negative BC
 - Advanced disease (mBC)
 - Receipt of PARPi for advanced disease and PBC in early and/or advanced setting
- Primary endpoint was progression free survival (PFS), secondary endpoint overall survival rate (DCR). Time from last cycle of PBC/PARPi to first cycle of subsequent treatment defined as platinum/PARPi-free interval (PFI or PARPi-FI).
- Survival was calculated using Kaplan–Meier method. The Cox proportional hazard regression analysis were used to estimate the independent factors and disease control rate (DCR), respectively.

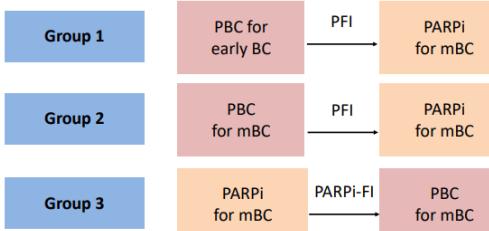


Table 1. Patient characteristics

	Group 1 (N=12)	Group 2 (N=36)	Group 3 (N=21)
	PARPi post-PBC	PARPi post-PBC	PBC post-PARPi
Age at diagnosis, median (range)	40 (26-72)	40 (28-72)	39 (28-62)
De novo disease, n (%)	0 (0%)	6 (17%)	5 (24%)
Mutational status			
BRCA1 mutation, n (%)	7 (58%)	20 (56%)	6 (29%)
BRCA2 mutation, n (%)	5 (42%)	12 (33%)	13 (62%)
Not available, n (%)	0 (0%)	4 (11%)	2 (10%)
Subtype of disease			
Triple negative breast cancer, n (%)	8 (67%)	18 (50%)	4 (19%)
HR+/HER2- BC, n (%)	4 (33%)	18 (50%)	17 (81%)
Age at baseline of treatment, median (range)	42 (30-74)	49 (31-79)	53 (32-68)
Visceral disease at baseline, n (%)	8 (67%)	20 (56%)	16 (76%)
Metastatic burden at baseline			
0-1 metastatic site, n (%)	4 (33%)	10 (28%)	10 (47%)
>1 metastatic site, n (%)	8 (67%)	26 (72%)	16 (53%)
PBC line, median (range)			
1 st -2 nd line, n (%)	9 (75%)	18 (50%)	10 (47%)
>2 nd line, n (%)	3 (25%)	9 (25%)	11 (53%)
PARPi line, median (range)	2 (1-2)	2 (1-2)	2 (1-2)
1 st -2 nd line, n (%)	9 (45%)	18 (50%)	10 (47%)
>2 nd line, n (%)	3 (55%)	9 (50%)	11 (53%)
PARP inhibitor			
Olaparib, n (%)	8 (67%)	18 (50%)	10 (47%)
Talazoparib, n (%)	4 (33%)	9 (25%)	11 (53%)

Figure 1. PFS of PARPi in metastatic setting post-PBC in early setting (mFUP: 6.1 mo)

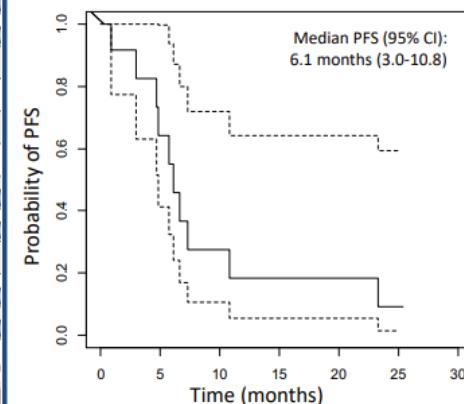


Figure 2. PFS of PARPi in metastatic setting post-PBC in metastatic setting (mFUP: 3.4 mo)

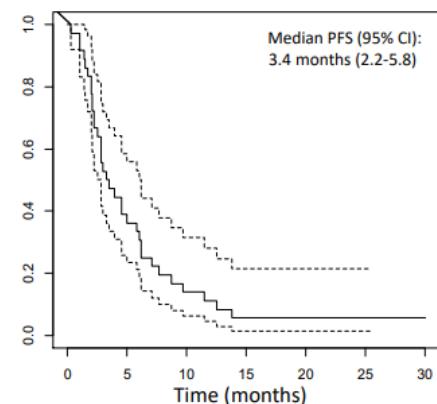
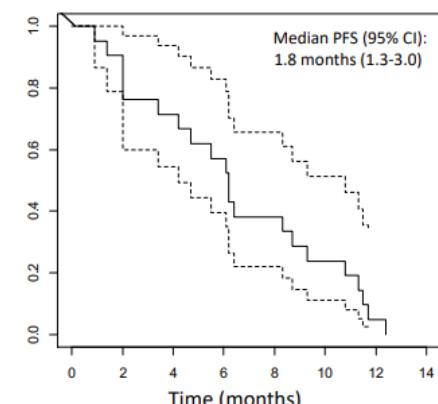
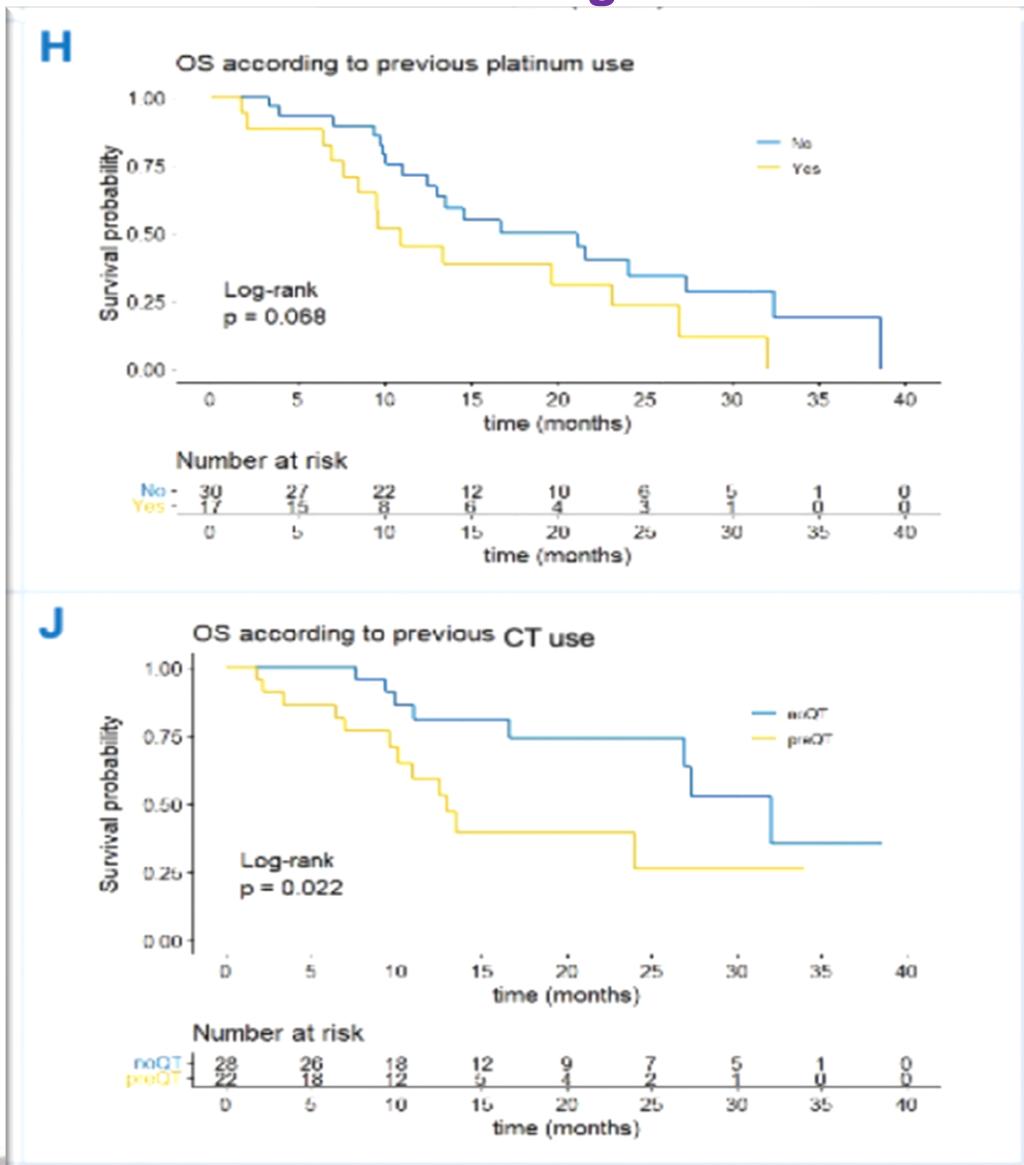


Figure 3. PFS of PBC in metastatic setting post-PARPi in metastatic setting



REAL WORLD DATA ON PARPi USING IN gBRCA and sBRCA



BIMARKER ANALYSES IN THE PHASE III ASCENT STUDY OF SACITUZUMAB GOVITECAN VERSUS CHEMOTHERAPY IN PATIENTS WITH METASTATIC TRIPLE-NEGATIVE BREAST CANCER

Table 2. ORR, PFS, and OS summary by germline *BRCA1/2* status

	Germline <i>BRCA1/2</i> -positive		Germline <i>BRCA1/2</i> -negative	
	SG (n = 16)	TPC (n = 18)	SG (n = 133)	TPC (n = 125)
ORR, n (%)	3 (19)	1 (6)	44 (33)	7 (6)
Odds ratio (95% CI)	3.9 (0.4-42.2)		8.3 (3.6-19.4)	
Median PFS, months (95% CI)	4.6 (1.3-10.3)	2.5 (0.8-5.5)	4.9 (3.8-5.9)	1.6 (1.5-2.5)
HR (95% CI)	0.6 (0.2-1.6)		0.4 (0.3-0.6)	
Median OS, months (95% CI, months)	15.6 (6.2-NE)	4.4 (3.6-9.7)	10.9 (9.6-13.4)	7.0 (5.6-8.2)
HR (95% CI)	0.4 (0.2-0.9)		0.5 (0.4-0.7)	

BRCA, breast cancer gene; CI, confidence interval; HR, hazard ratio; NE, not evaluable; ORR, objective response rate; OS, overall survival; PFS, progression-free survival; SG, sacituzumab govitecan; TPC, treatment of physician's choice.

CENTRAL NERVOUS SYSTEM METASTASES IN BREAST CANCER PATIENTS WITH GERMLINE BRCA PATHOGENIC VARIANTS COMPARED TO NON-CARRIERS: A MATCHED-PAIR ANALYSIS

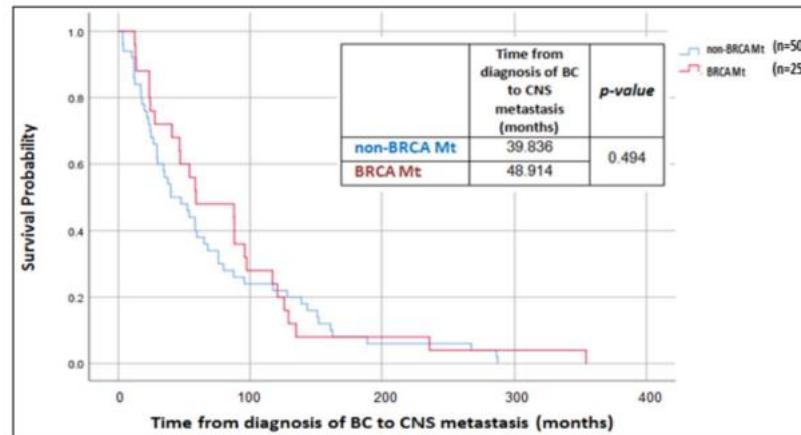


Fig. 1 Time from breast cancer (BC) diagnosis to CNS metastasis

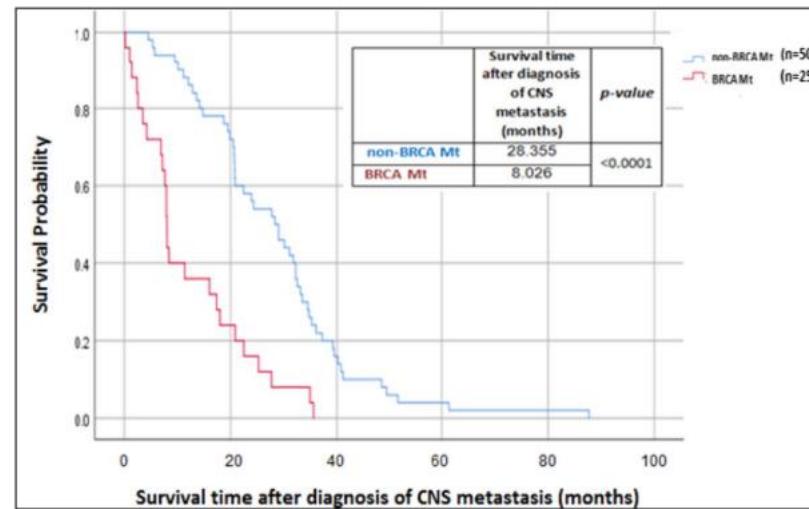


Fig. 2 Survival time after diagnosis of CNS metastasis

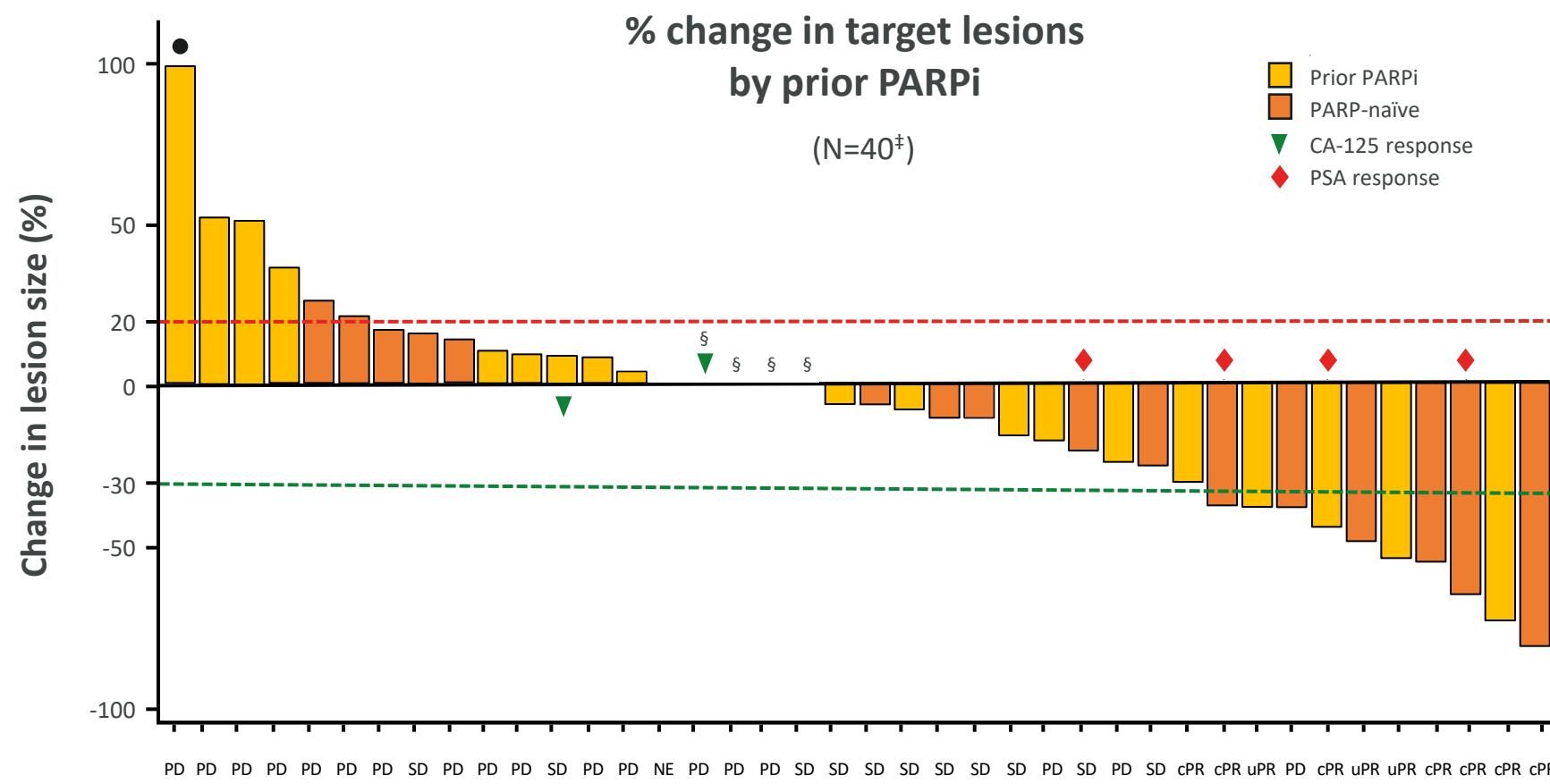
E SE LA PAZIENTE HA FATTO OLAPARIB IN ADIUVANTE (BRCA+)?

- Possiamo somministrare PARP dopo PARP?

Non conosciamo i successivi trattamenti delle pazienti progredite ad Olympia

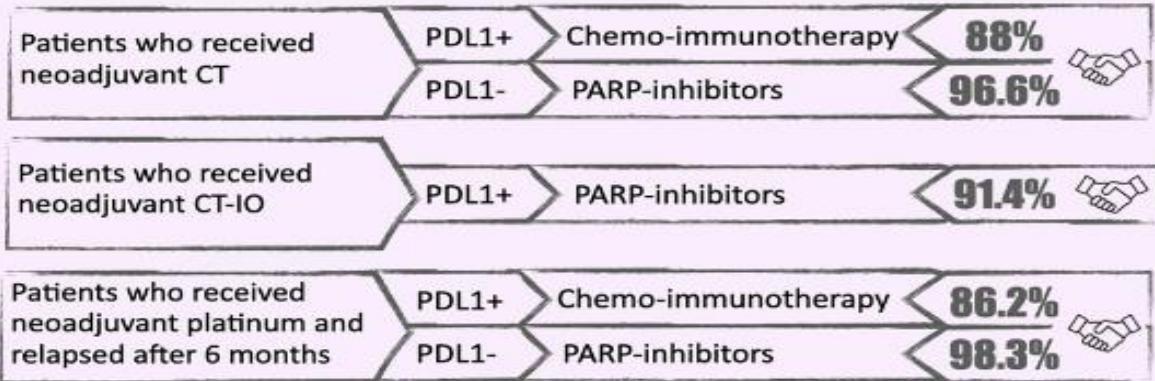
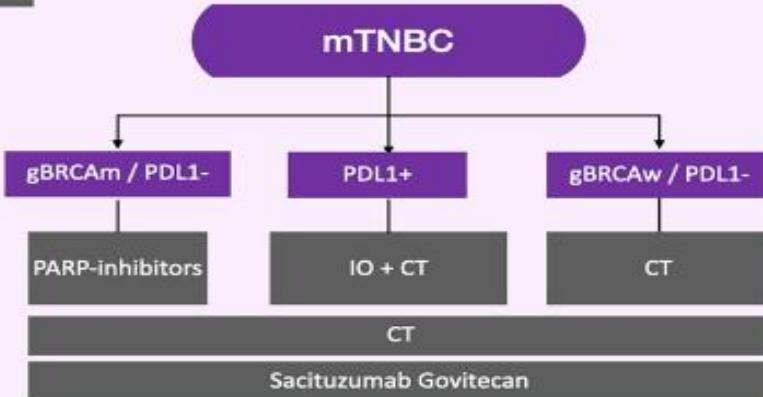
Non abbiamo dati fondati sull'evidenza

RECIST V1.1 RESPONSES WERE OBSERVED WITH AZD5305 REGARDLESS OF PRIOR PARPi USE*¹



- 1. Yap TM, et al. Presented at AACR 2022. 8–13 April. New Orleans, Louisiana. Abstract #CT007

3A



3B



If recurrence occurs within 12 months after CDK4/6i in adjuvant setting, PARP inhibitors would be preferable to CDK4/6i in the first line.



If recurrence occurs after 12 months after CDK4/6i in adjuvant setting, PARP inhibitors would be preferable to CDK4/6i in the first line.

Metastatic HR-positive BC

If in early progression on CDK4/6i+ET, PARP inhibitor treatment would be preferable to CT.

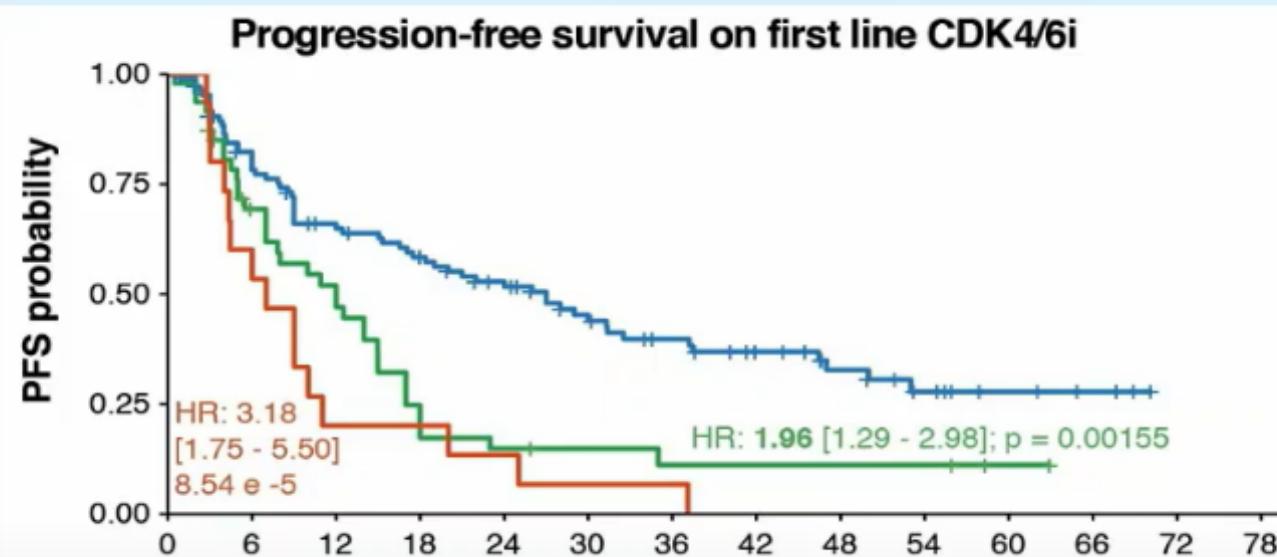


If late progression to CDK4/6i+ET, PARP inhibitor treatment would be preferable to ET +/- target therapy.



RB1 loss of heterozygosity confers worse outcomes to first-line CDK4/6 + ET

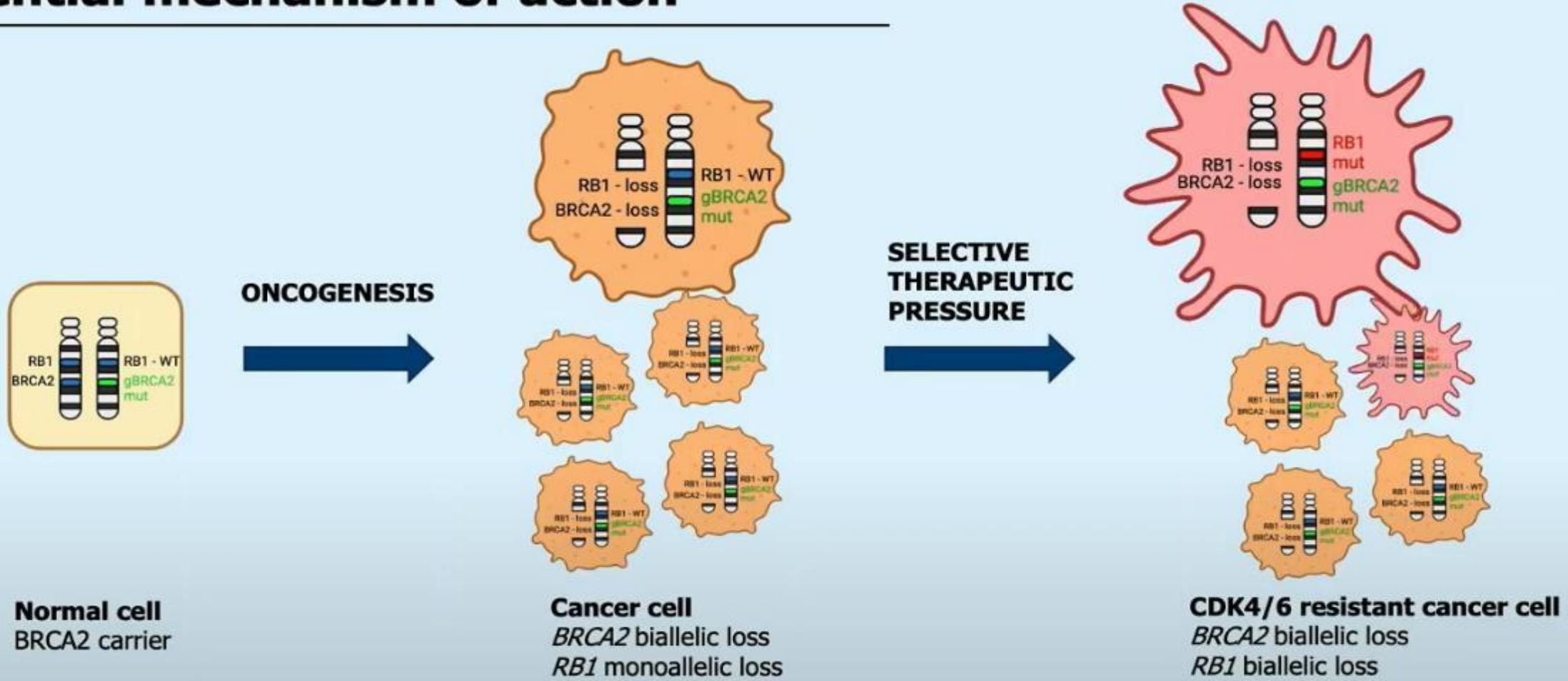
Concomitant *gBRCA2* pathogenic variant and *RB1* LOH confers particularly rapid progression in this setting



BRCA2 status	Median PFS (mo) [95% CI]
gWT RB1 intact	26.0 [15.3 – 31.4]
gWT RB1 LOH	12.0 [7.5 – 15.0]
gBRCA2 RB1 LOH	7.0 [3.2 – 10.0]

*Analysis restricted to pre-treatment samples

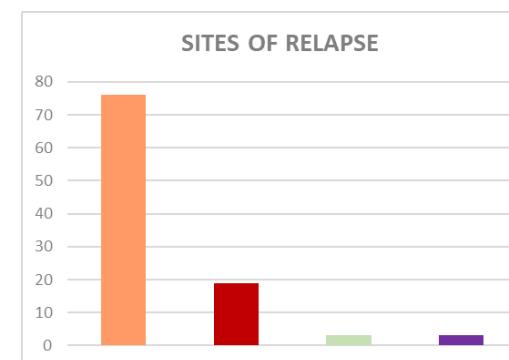
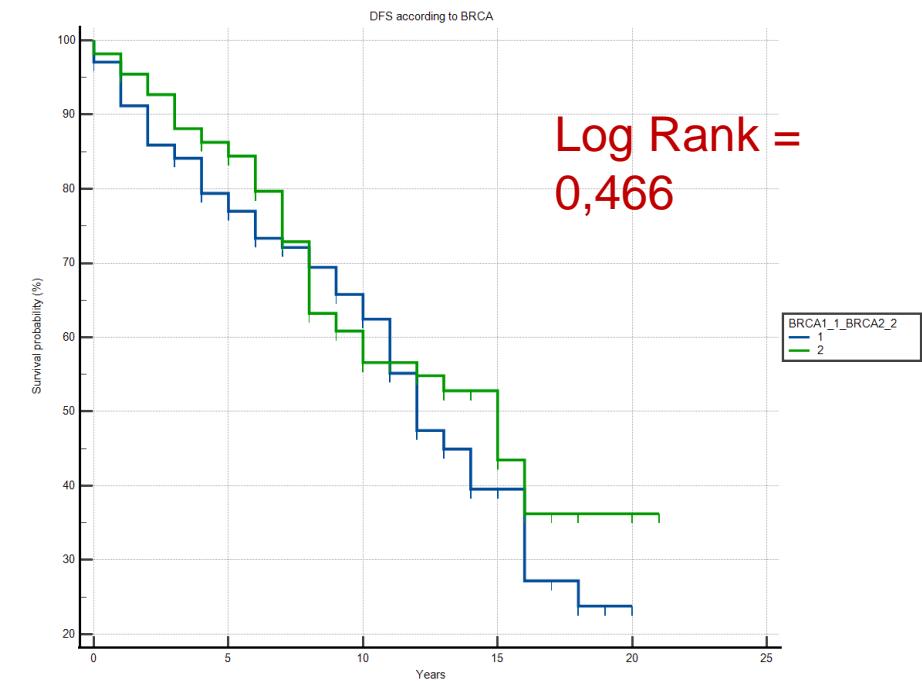
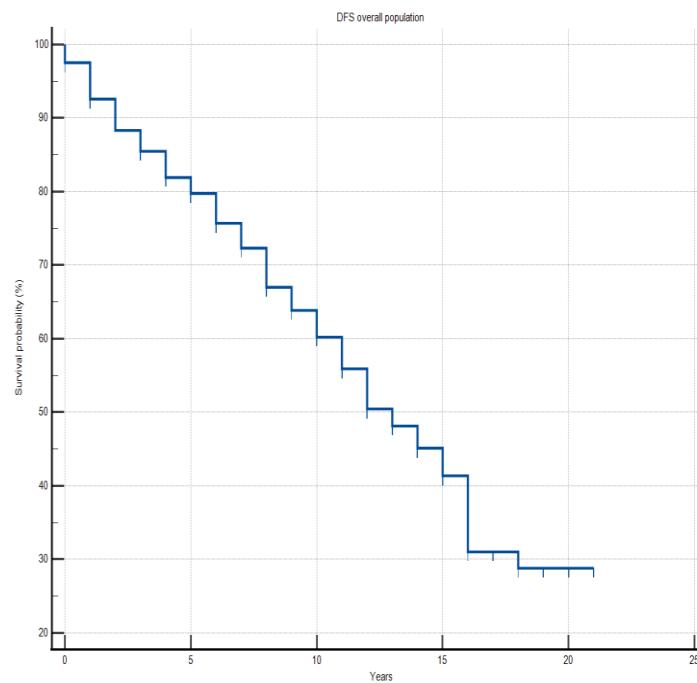
Potential mechanism of action



- 136 patients (47,9%) had disease recurrence during 20 ys. follow-up (ipsilateral local recurrence, contralateral second breast cancer or systemic recurrence)
- Median DFS in overall population was 13 years (95% CI from 11 to 15 ys)
- More BRCA2 developed visceral disease ($p=0,013$)

Cortesi L et al, ASCO 2023; EJSO 2024

MUTINA RESULTS: OS

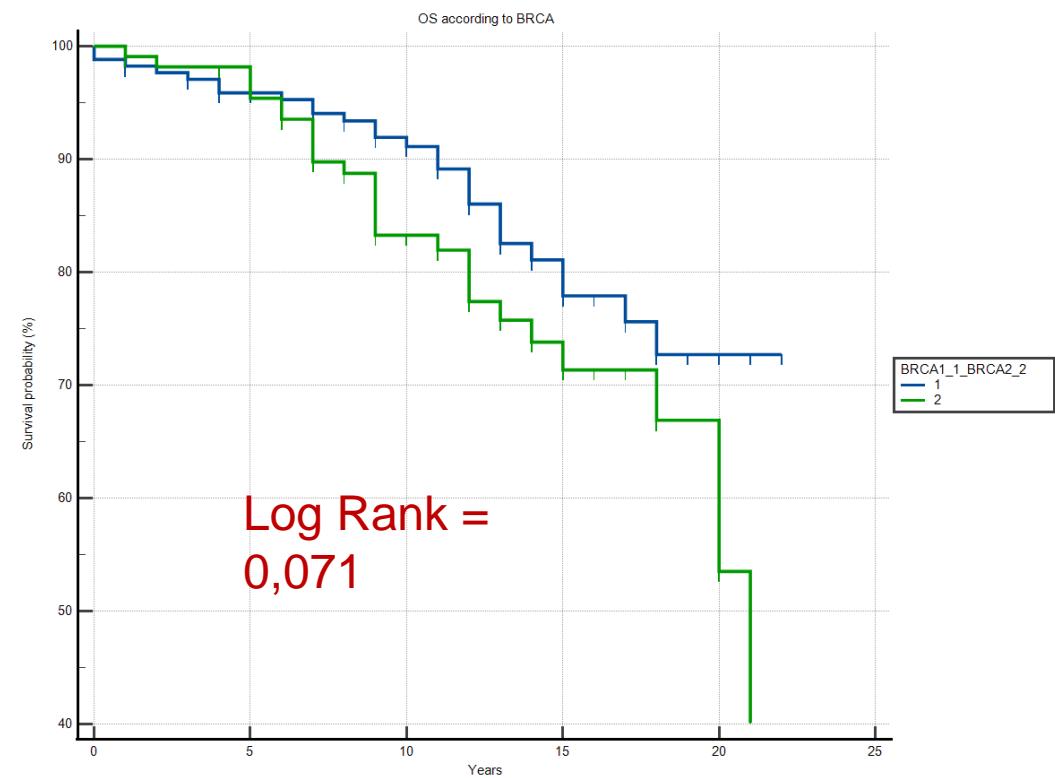
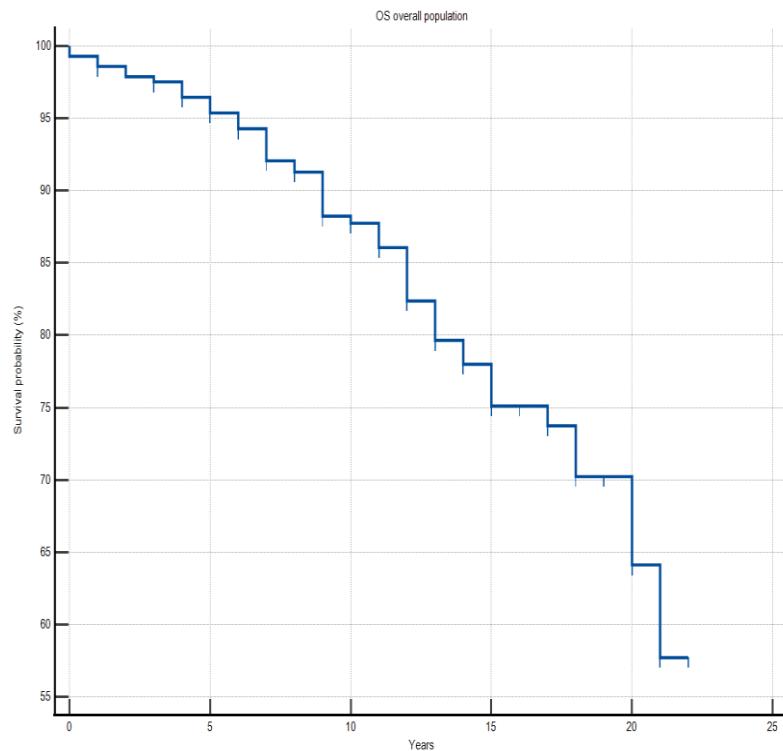


LRR: 83 SBC (42 CBC); 8 only N=91
DR: 45 (12 NVD; 33 VD)

■ Loco-regional ■ Bone
■ Visceral ■ SNC * Unknown

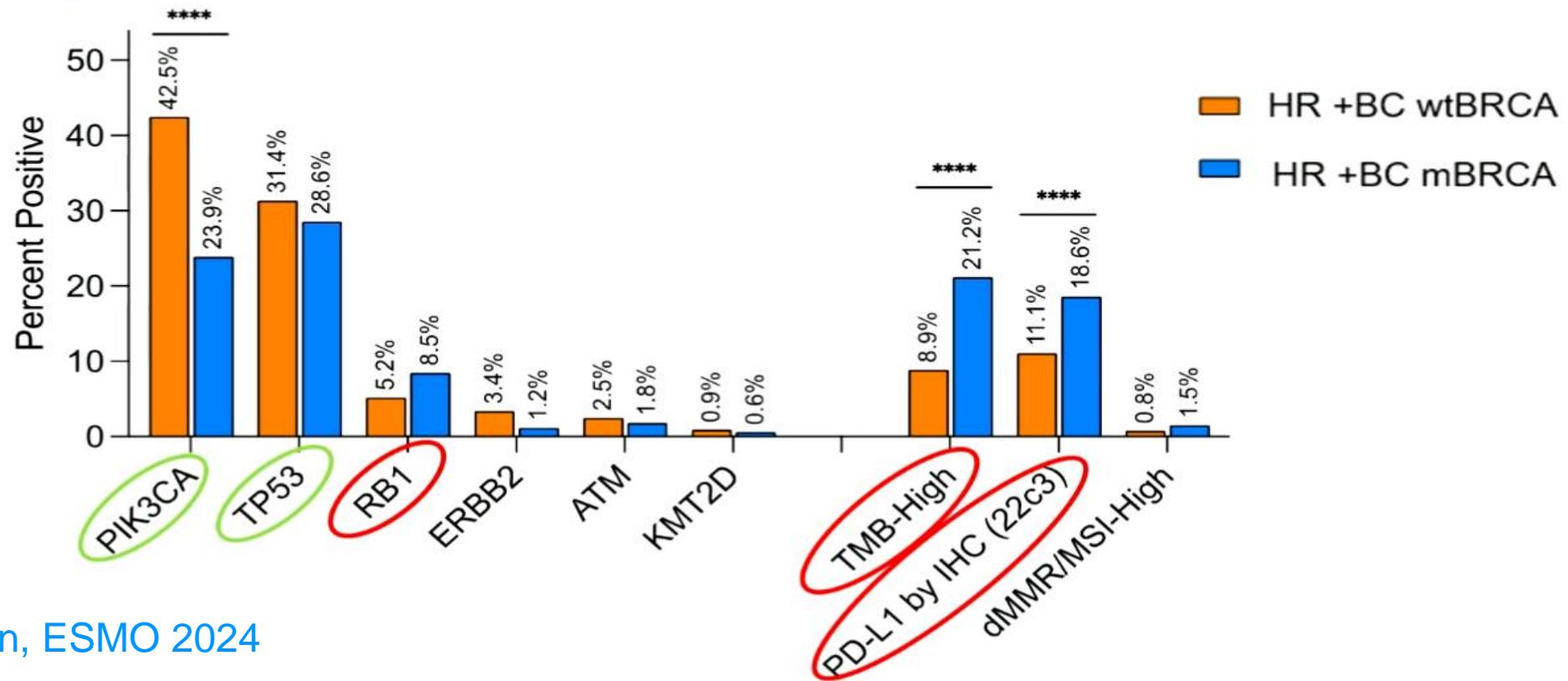
MUTINA RESULTS: OS

- Median OS not reached in the whole population
- At the time of analysis:
 - **19,7%** died
 - **80,3%** alive

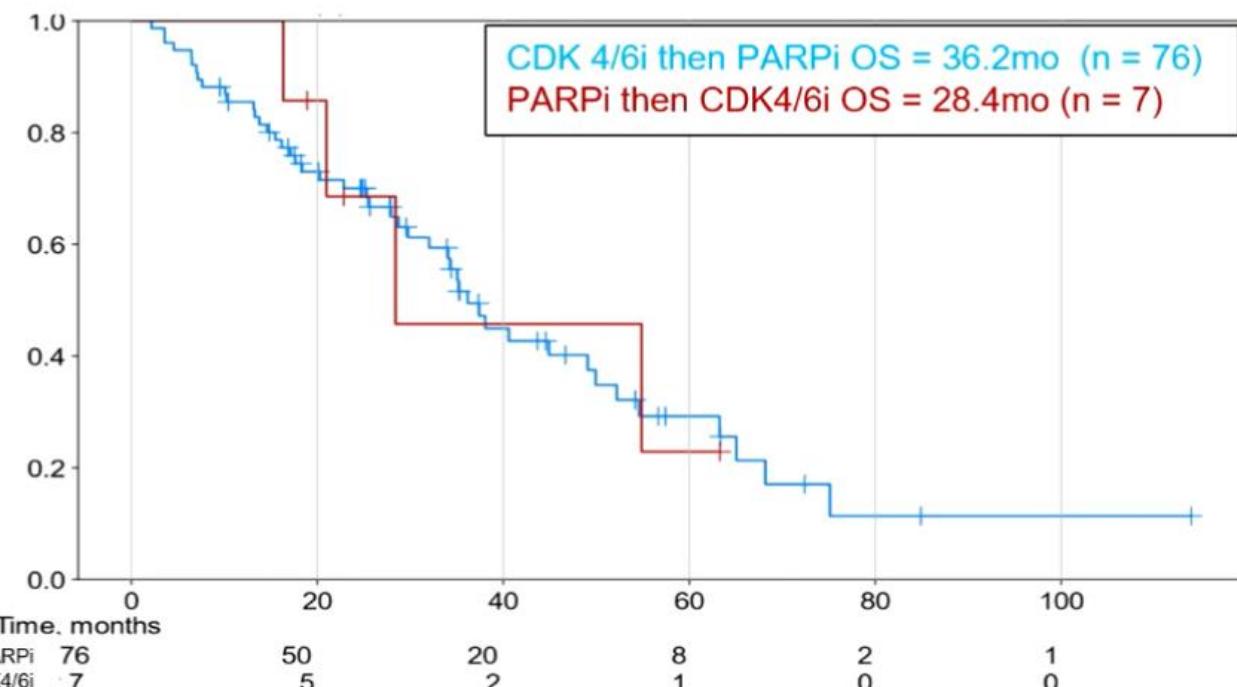


- Almost significant OS benefit in **BRCA1** vs **BRCA2**

Tumor Mutations associated with HR+BC mBRCA patients compared to HR+BC wtBRCA



Overall survival when comparing the order of administration of CDK4/6i vs PARPi in HR+BC mBRCA patients



	Median OS	95% CI
CDK4/6i then PARPi	36.19 mo	29.77 mo - 49.942 mo
PARPi then CDK4/6i	28.42 mo	16.35 mo - Inf

HR = 1.072 (95% CI: 0.38 - 2.99), p = 0.895

Median OS difference:
7.76mo

TABLE 4 Overall survival and mortality among patients with germline *BRCA1/2*-mutated, HER2-negative advanced breast cancer.

	TNBC (n = 194)	HR+/HER2- (n= 111)
All-cause from index chemotherapy, mo		
Kaplan-Meier estimate		
Mean (SE)	36.0 (1.5)	33.7 (1.8)
Median	NE	45.9
95% CI	32.5-NE	29.1-NE
Censored, n (%)	134 (69.1)	79 (71.2)
Survival rate, % (SE), mo		
12	83.9 (2.6)	88.2 (3.1)
24	73.9 (3.4)	77.0 (4.4)
36	56.9 (5.1)	51.6 (8.0)
48	56.9 (5.1)	44.2 (9.7)
60	53.1 (6.0)	44.2 (9.7)

BRCA, germline breast cancer gene; CI, confidence interval; HER2, human epidermal growth factor receptor 2; HR, hormone receptor; NE, not estimable; SE, standard error; TNBC, triple-negative breast cancer.

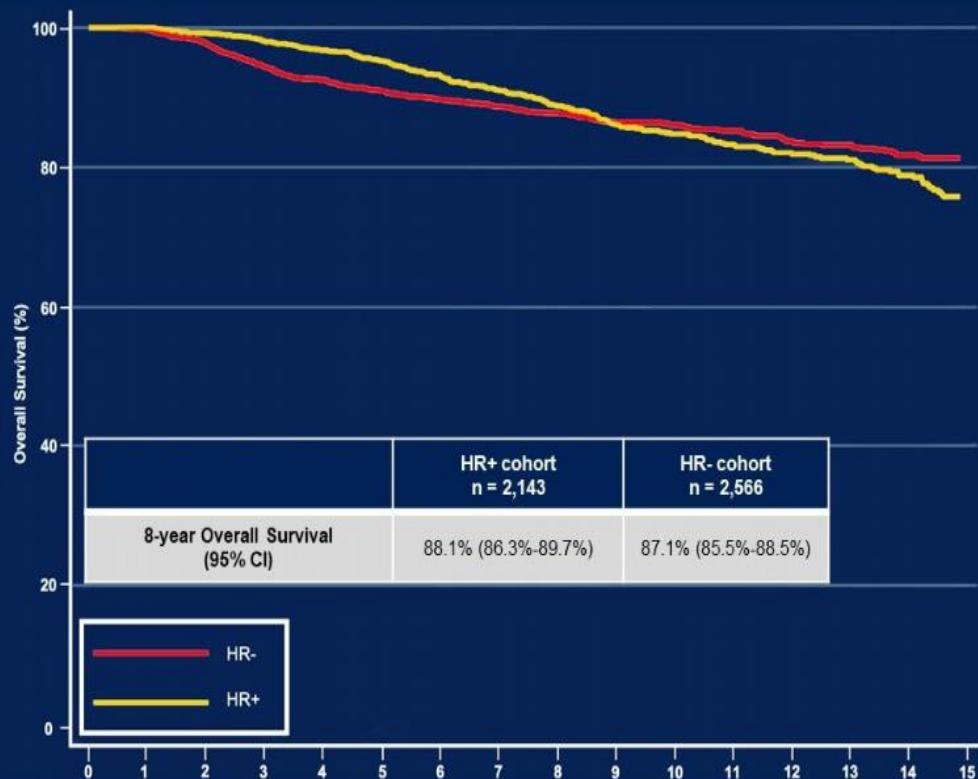
Methods: Study Design and Participants

- The **BRCA BCY Collaboration** is an international, multicenter, hospital-based, retrospective cohort study (NCT03673306)¹

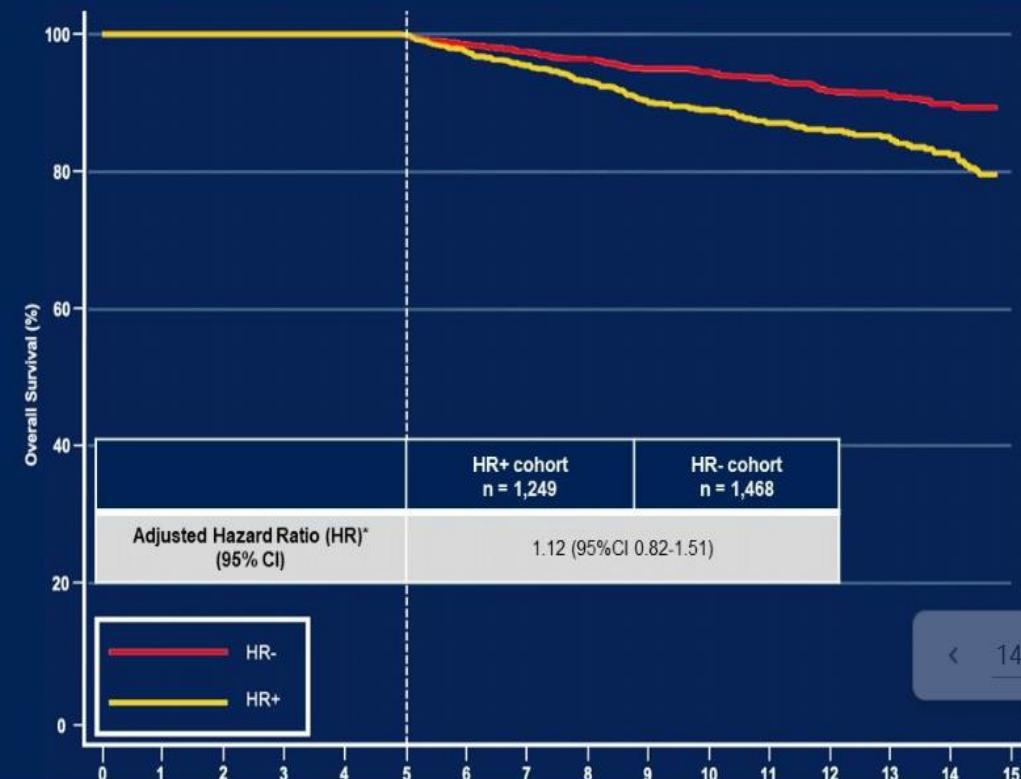
Key inclusion criteria	Key exclusion criteria
Stage I - III invasive breast cancer	Stage IV <i>de novo</i> breast cancer
Age ≤ 40 years at diagnosis	History of malignancies other than breast cancer or <i>BRCA</i> healthy carriers
Diagnosis between January 2000 and December 2020	Lack of data on follow-up
Known germline PV in the <i>BRCA1</i> and/or <i>BRCA2</i> genes	Unknown hormone receptor status

Results: Analyses by Hormone Receptor Status

Overall Survival

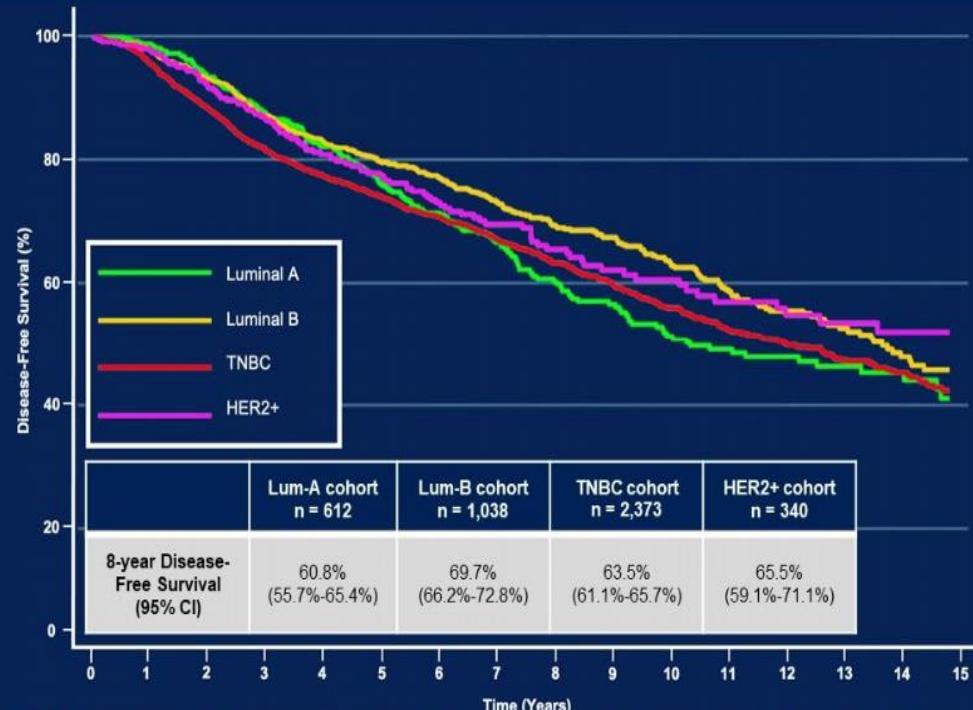


Overall Survival (years >5)

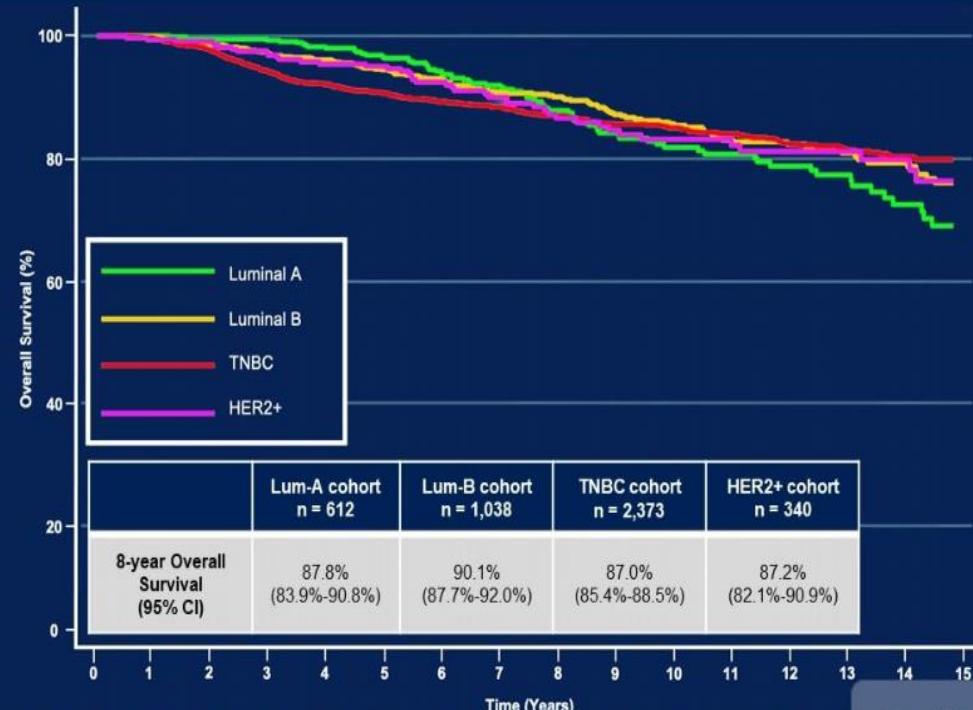


Results: Analyses by Tumor Subtype

Disease-Free Survival

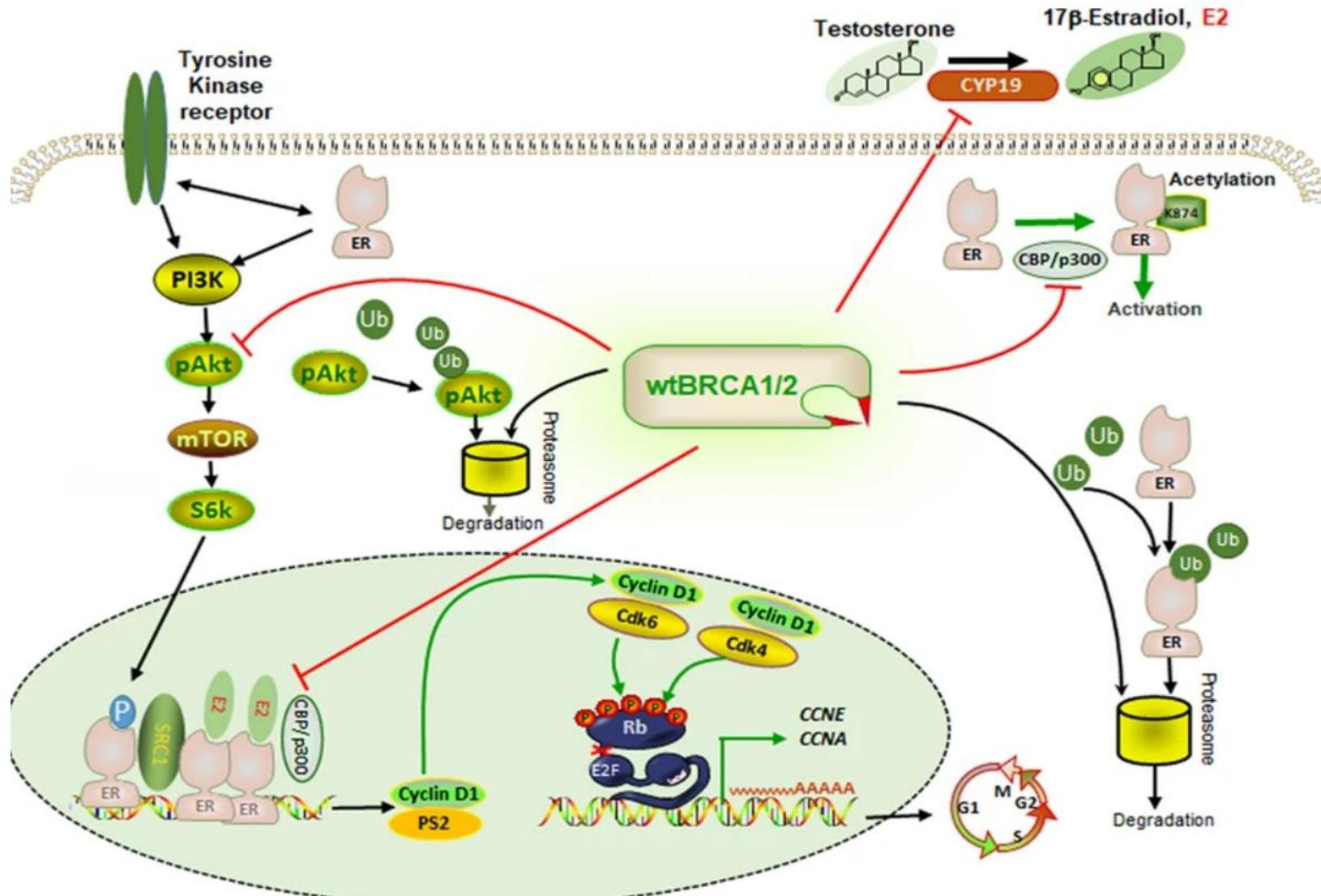


Overall Survival



	Time (Years)															
Luminal A	612	594	527	438	379	315	256	211	155	127	102	80	70	53	38	24
Luminal B	1038	1000	913	797	704	602	519	427	347	288	239	193	144	101	76	57
TNBC	2373	2221	1954	1673	1450	1241	1069	887	736	612	499	411	334	257	187	137
HER2+	340	327	292	262	223	194	158	129	106	86	70	60	52	40	30	23

	Time (Years)															
Luminal A	612	602	561	497	452	398	341	295	240	194	163	134	120	95	< 70	52
Luminal B	1038	1025	966	884	807	711	622	525	446	375	323	268	215	165	131	102
TNBC	2373	2316	2149	1914	1705	1508	1340	1168	1021	897	782	682	574	471	361	283
HER2+	340	333	314	292	260	236	203	170	143	121	101	90	80	65	51	37

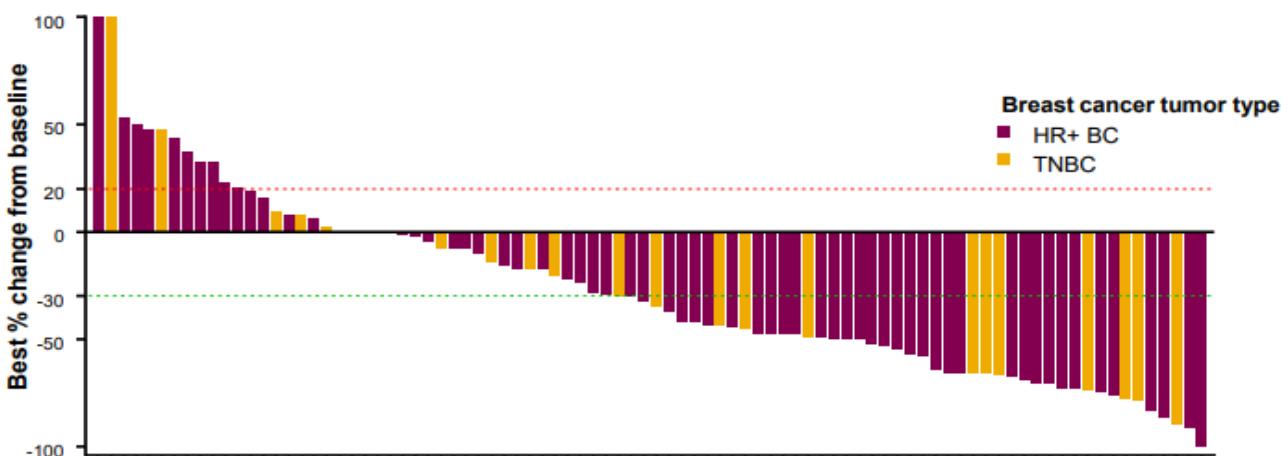


PARP inhibitors in metastatic triple-negative breast cancer

Next generation PARP1-selective inhibitors

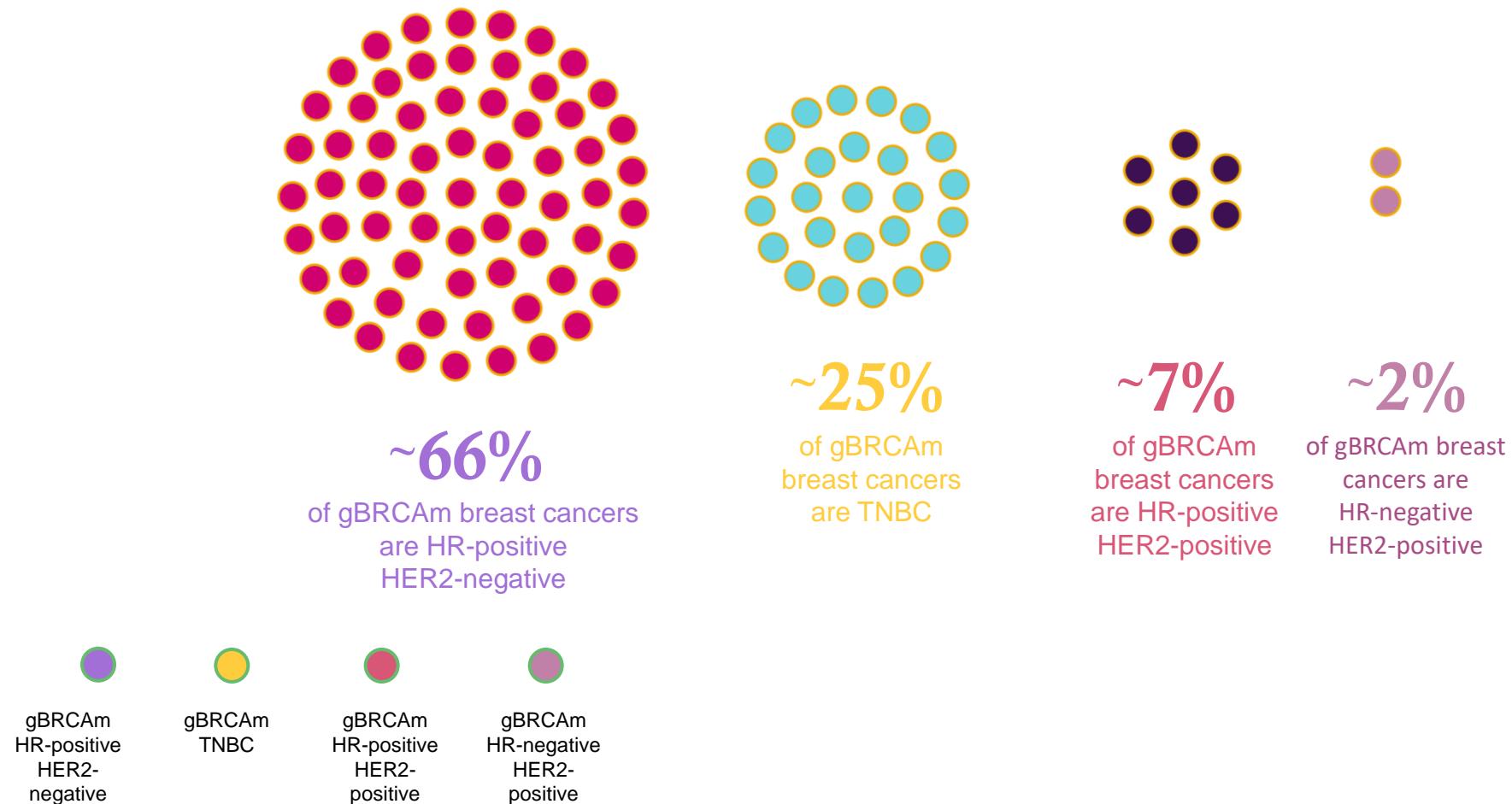
- Saruparib is a first-in-class, potent new generation PARP inhibitor with high selectivity for PARP1.
- Wide therapeutic index, superior PK/PD properties and efficacy compared with approved PARP inhibitors
- Favorable safety profile and low rate of dose reduction compared with approved PARP inhibitors

PETRA Trial with **Saruparib** (AZD5305)



Yap, AACR 2024

HOW MANY gBRCAm BREAST CANCERS ARE HER2-POSITIVE?

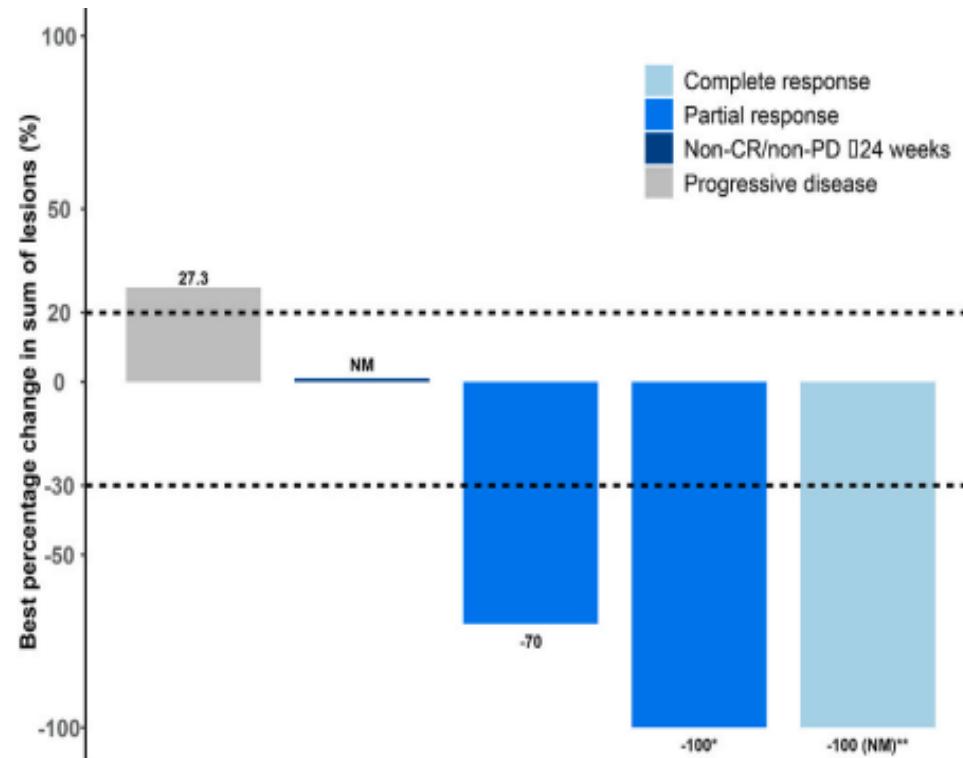


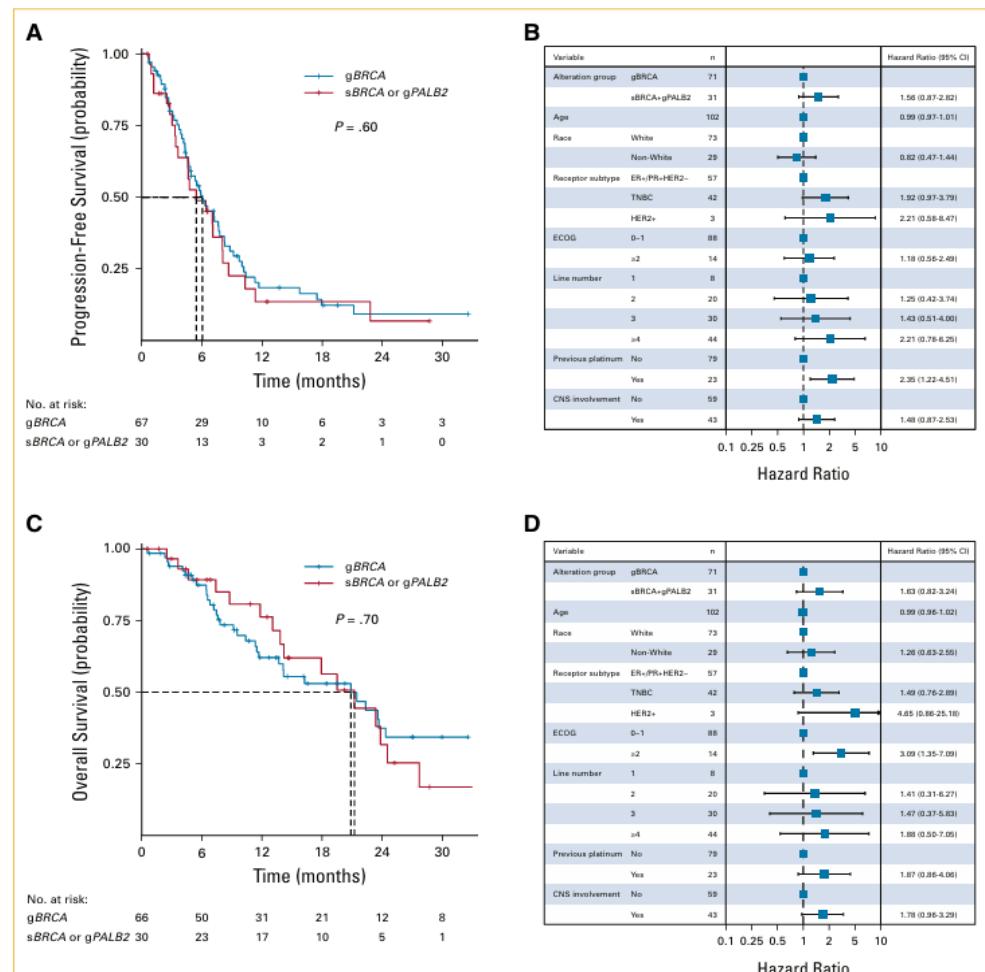
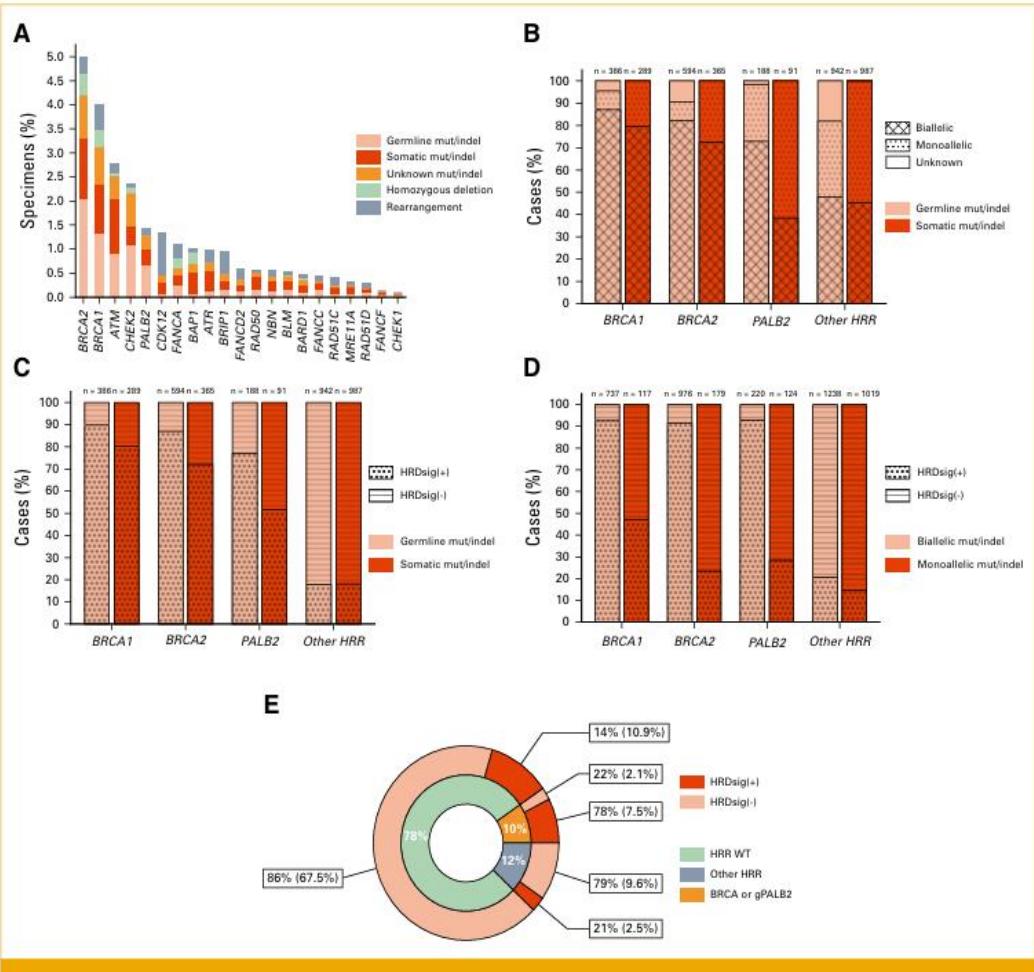
Mesa-Eguíagaray I, et al. Br J Cancer 2020;123:852-859; Winter C, et al. Ann Oncol 2016;27:1532–1538; Winter C, et al. Ann Oncol 2016;27:1532–1538 suppl;

OLAPARIB PLUS TRASTUZUMAB IN HER2-POSITIVE ADVANCED BREAST CANCER PATIENTS WITH GERMLINE BRCA1/2 MUTATIONS: THE OPHELIA PHASE 2 STUDY

Table 1
Baseline patient characteristics.

Baseline characteristics	n (%)
	N = 5
Age; median (min; max) (years)	37.0 (32.0; 54.0)
Sex	
Female	4 (80.0)
Male	1 (20.0)
Premenopausal status	
No	2 (40.0)
Yes	2 (40.0)
NA (male)	1 (20.0)
ECOG performance status	
0	3 (60.0)
1	2 (40.0)
Measurable lesions	
Yes	3 (60.0)
No	2 (40.0)
Disease sites	
Bones	3 (60.0)
Lung	2 (40.0)
Brain	1 (20.0)
Breast	1 (20.0)
Liver	1 (20.0)
Lymph nodes	1 (20.0)
Mediastinum	1 (20.0)
Number of metastatic sites	
1	1 (20.0)
2	3 (60.0)
3	1 (20.0)
HR status	
Positive	3 (60.0)
Negative	2 (40.0)
BRCA mutations	
Germinal <i>BRCA1</i> mutation	1 (20.0)
Germinal <i>BRCA2</i> mutation	4 (80.0)
Advanced disease at first diagnosis	
Yes	3 (60.0)
No	2 (40.0)
Number of previous lines of therapy for ABC	
1	1 (20.0)
3	2 (40.0)
4	2 (40.0)
Previous treatment for ABC	
Anti-HER2 agents	5 (100.0)
Trastuzumab + pertuzumab	5 (100.0)
T-DM1	2 (40.0)
Other	1 (20.0)
Chemotherapy	5 (100)
Therapeutic radiopharmaceuticals	2 (40.0)
Endocrine therapy	1 (20.0)





Responses for gPALB2

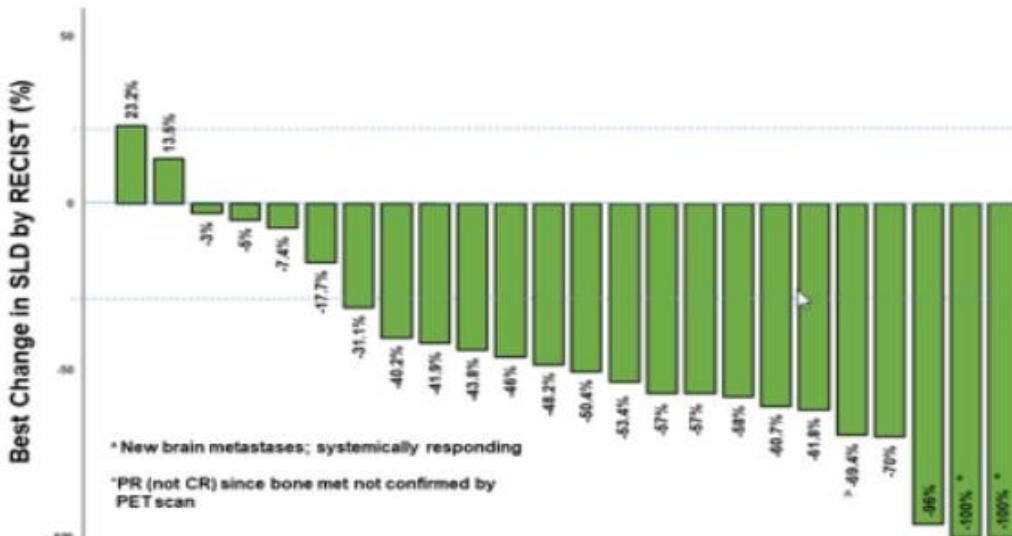
gPALB2 N=24	
Best Response	Responses (rate, %)
Complete Response (CR)	1 (4%)
Partial Response (PR)	17 (71%)
Stable Disease (SD)	5 (21%)
Progressive Disease (PD)	1 (4%)
ORR = 75% (18/24, 80%-CI: 60%-86%)	
CBR (18 wks) = 83% (20/24, 90%-CI: 66%-94%)	

Datacut May 3, 2024

2024 ASCO
ANNUAL MEETING

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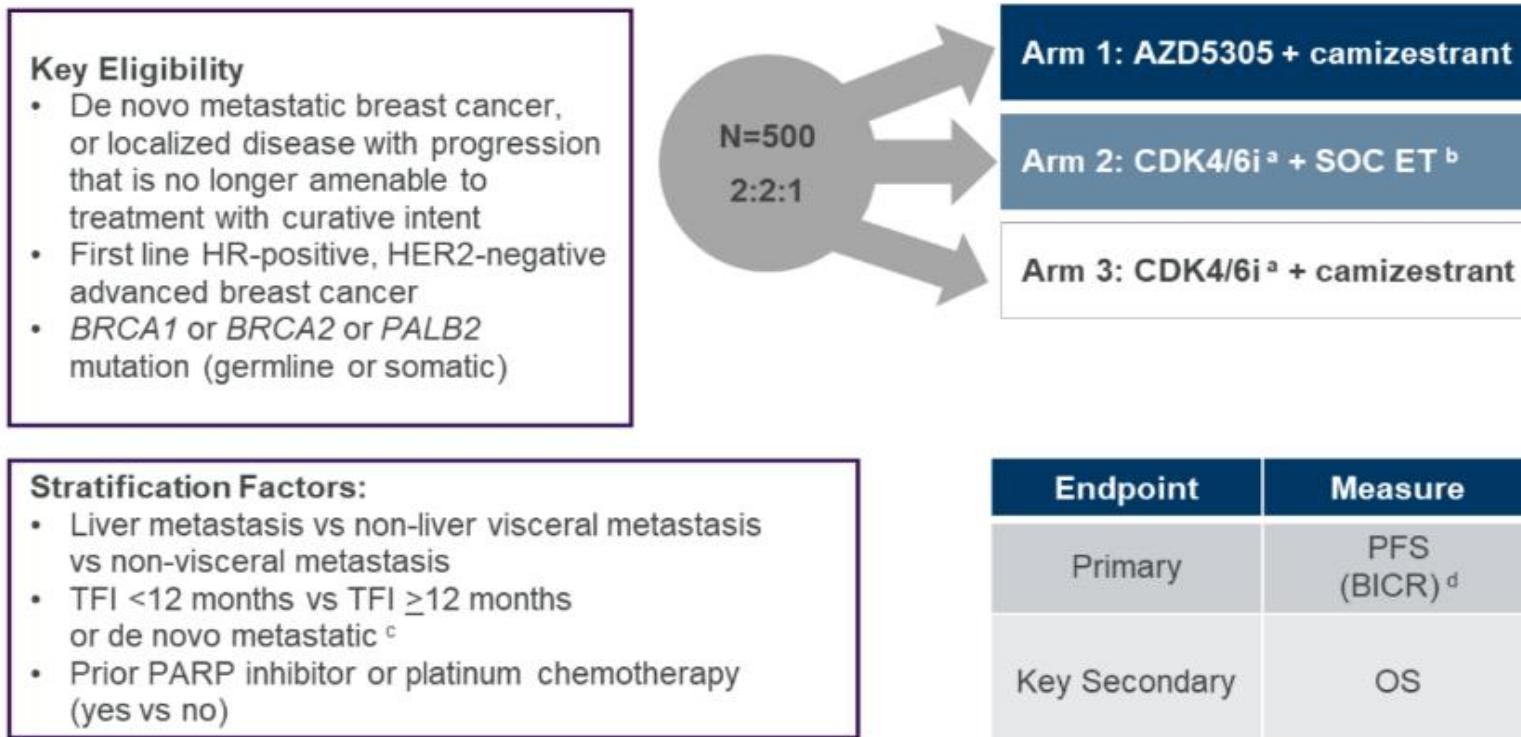


Tumor subtype	Responses
TNBC	2/2
ER+/HER2-neg	13/19
HER2+	3/3

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CLINICAL ONCOLOGY
KNOWLEDGE CONQUERS CANCER

(EVOPAR-BREAST01)

A randomized phase III study of first-line saruparib (AZD5305) plus camizestrant vs CDK4/6i plus physician's choice endocrine therapy or plus camizestrant in patients with BRCA1/BRCA2/PALB2 mutations and HR+/HER2- advanced breast cancer (EvoPAR-Breast01)



CONCLUSIONS

- TNBC: early platinum-based therapy —> PARPi
- TNBC PDL-1: CT+IO, PARPi if already treated as KN-522
- HR+/HER2-:always PARPi after CDK4/6i (early or advanced)
- More visceral recurrences in gBRCA2 than gBRCA1 and worst OS in Luminal A than Luminal B
- TNBC/HR+ after Olaparib: saruparib 25% ORR
- HER2+ gBRCA:Olaparib+Trastuzumab=60% ORR (a few patients)
- Olaparib in gPALB2: 75% ORR
- Saruparib in first line study: EvoPAR-Breast01