



## POST-ASCO MAMMACARCINOOM & GYNAECOLOGIE GABE SONKE

### Disclosures

- Research funding: Agendia, AstraZeneca, Merck, Novartis, Roche
- Advisory role: Biovica, Seagen

# Highlights

- Mamma
  - Trastuzumab-deruxtecan ++
  - Pembrolizumab +
  - Palbociclib -
- Cervix
  - Adjuvant chemotherapie -
  - Immuuntherapie 1<sup>e</sup> en 2<sup>e</sup> lijn +
- Endometrium
  - Pembrolizumab (+ lenvatinib) +
- Ovarium
  - PARP remming +
  - Mirvetuximab +

ORIGINAL ARTICLE

Trastuzumab Deruxtecan in Previously Treated HER2-Low Advanced Breast Cancer

ORIGINAL ARTICLE

Pembrolizumab for Persistent, Recurrent, or Metastatic Cervical Cancer

ORIGINAL ARTICLE

Survival with Cemiplimab in Recurrent Cervical Cancer

ORIGINAL ARTICLE

Lenvatinib plus Pembrolizumab for Advanced Endometrial Cancer



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**DESTINY-Breast04**

**Trastuzumab deruxtecan (T-DXd)  
vs treatment of physician's choice in patients with  
HER2-low unresectable and/or metastatic breast cancer:  
Results of DESTINY-Breast04, a randomized, phase 3 study**

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June 5, 2022

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**On behalf of the DESTINY-Breast04 investigators**

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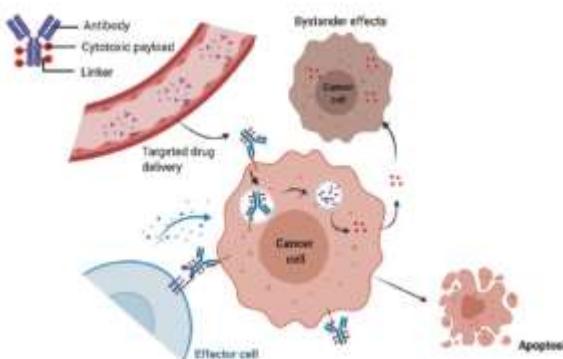
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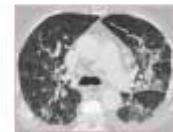
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# Third generation ADC: bystander effect



- High potency
- BUT « off target » toxicities
- Interstitial Lung Disease (ILD)



**Appropriate strategies for the management in clinical practice**

Fu Z et al. Signal transduction and Targeted therapy 2022

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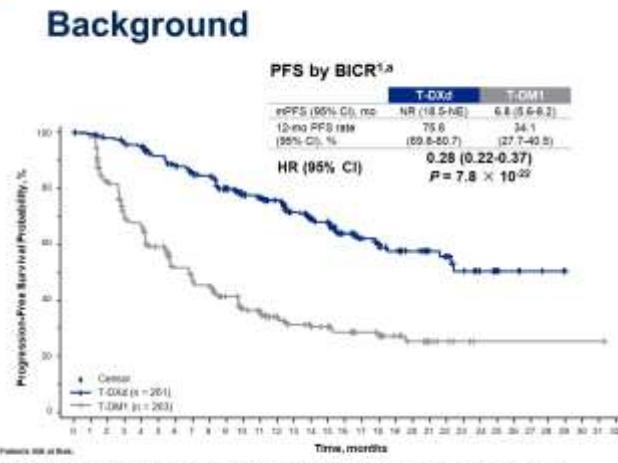
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DESTINY-Breast03



- T-DXd, a HER2-targeted ADC, was approved for the treatment of patients with HER2+ unresectable or mBC who have received a prior anti-HER2 therapy in the metastatic or neoadjuvant/adjuvant setting and had recurrence during or within 6 months after therapy<sup>2</sup>
- DESTINY-Breast03 (NCT03529110) investigated T-DXd vs T-DM1 in patients with HER2+ unresectable or mBC
  - In the primary analysis (May 21, 2021), T-DXd was superior to T-DM1 for PFS by BICR (primary endpoint)<sup>1</sup>
  - Overall health status and QoL was maintained with T-DXd and numerically favored T-DXd over T-DM1<sup>3</sup>

ADC, antibody-drug conjugate; BICR, blinded independent central review; HER2, human epidermal growth factor receptor 2; HR, hazard ratio; mBC, metastatic breast cancer; npPFS, median progression-free survival; PFS, progression-free survival; QoL, quality of life; T-DM1, trastuzumab emtansine; T-DXd, tisotuzumab deruxtecan; 1. Corliss J et al. *J Clin Oncol* 2022;30(1143-1154). 2. Eisai. (nab-tituzumab deruxtecan) for injection, for intravenous use. Dallas/Sanofi, Inc. 2022. 3. Cangiano G et al. Presented at: ESMO Breast Cancer meeting; May 3-5, 2022, Berlin, Germany. Presented at: ASCO Annual Meeting; May 3-7, 2022, Chicago, IL, USA. Trastuzumab deruxtecan versus trastuzumab emtansine for breast cancer. Vol 389, Pages 1143-1154. Copyright © 2022 Massachusetts Medical Society. Reprinted with permission from Massachusetts Medical Society.

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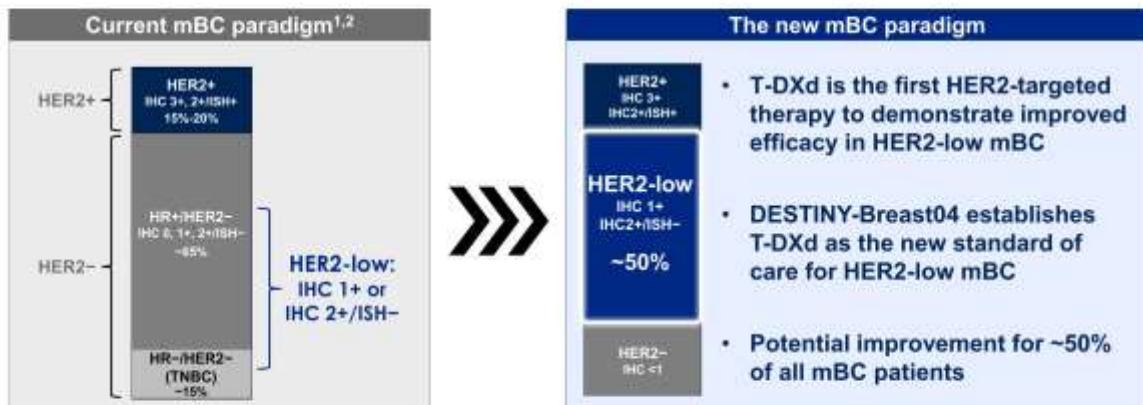
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## DESTINY-Breast04 Summary and Impact

T-DXd treatment showed unprecedented improvement in efficacy for patients with HER2-low mBC



HER2, human epidermal growth factor receptor 2; HR, hormone receptor; IHC, immunohistochemistry; ISH, *in situ* hybridization; mBC, metastatic breast cancer; T-DXd, trastuzumab deruxtecan; TPC, treatment of physician's choice.  
1. Scovino F, et al. *NPJ Breast Cancer*. 2021;7(1):1. 2. Tawarino P, et al. *J Clin Oncol*. 2020;38(17):1851-1862.

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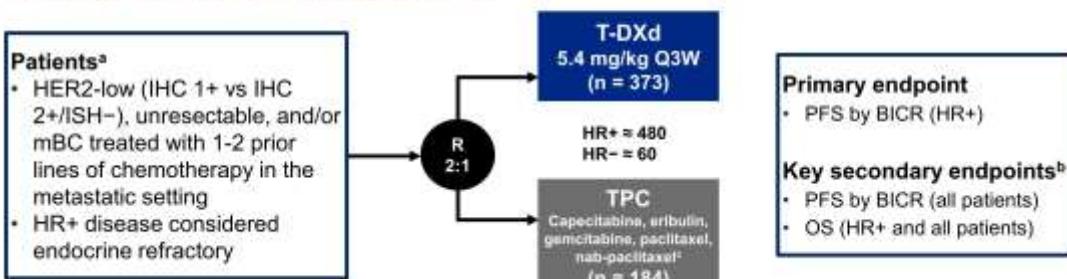
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## DESTINY-Breast04: First Randomized Phase 3 Study of T-DXd for HER2-low mBC

An open-label, multicenter study (NCT03734029)



ASCO/CAP, American Society of Clinical Oncology/College of American Pathologists; BICR, blinded independent central review; CDK, cyclin-dependent kinase; DOR, duration of response; HER2, human epidermal growth factor receptor 2; HR, hormone receptor; IHC, immunohistochemistry; ISH, *in situ* hybridization; mBC, metastatic breast cancer; OS, overall survival; PFS, progression-free survival; Q3W, every 3 weeks; R, randomization; T-DXd, trastuzumab deruxtecan; TPC, treatment of physician's choice.

<sup>a</sup>All patients had HR+ mBC; prior endocrine therapy was required. <sup>b</sup>Other secondary endpoints included DRR (BICR and investigator), DOR (BICR), PFS (investigator), and safety. Efficacy in the HR- cohort was an exploratory endpoint. TPC was administered according to the label. <sup>b</sup>Performed on adequate archived or recent formalin-fixed paraffin-embedded tissue per ASCO/CAP guidelines using the VENTANA HER2/neu (4B5) investigation kit use only (IHC) Assay system.

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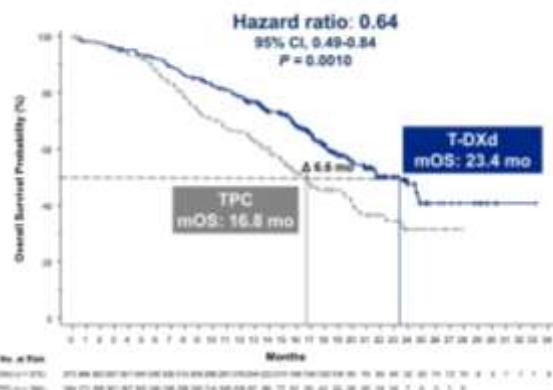
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## Prior Therapies

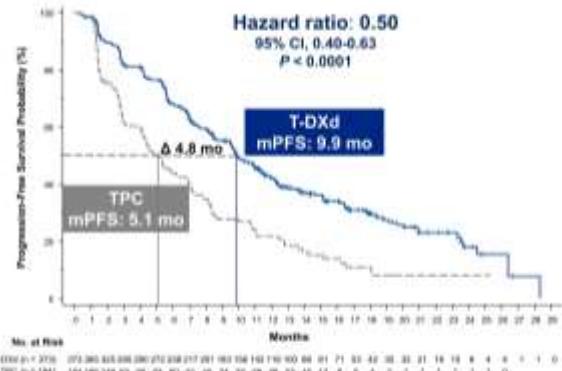
	Hormone receptor-positive		All patients	
	T-DXd (n = 331)	TPC (n = 163)	T-DXd (n = 373)	TPC (n = 184)
<b>Lines of systemic therapy (metastatic setting)</b>				
Number of lines, median (range)	3 (1-9)	3 (1-8)	3 (1-9)	3 (1-8)
Number of lines, n (%)				
1	23 (7)	14 (9)	39 (10)	19 (10)
2	85 (26)	41 (25)	100 (27)	53 (29)
≥3	223 (67)	108 (66)	234 (63)	112 (61)
<b>Lines of chemotherapy (metastatic setting)</b>				
Number of lines, median (range)	1 (0-3)	1 (0-2)	1 (0-3)	1 (0-2)
Number of lines, n (%)				
0	1 (0.3)	1 (0.6)	1 (0.3)	1 (0.5)
1	203 (61.3)	93 (57.1)	221 (59.2)	100 (54.3)
2	124 (37.5)	69 (42.3)	145 (38.9)	83 (45.1)
≥3	3 (0.9)	0	6 (1.6)	0
<b>Lines of endocrine therapy (metastatic setting)</b>				
Number of lines, median (range)	2 (0-7)	2 (0-6)	2 (0-7)	2 (0-6)
Number of lines, n (%)				
0	28 (8)	17 (10)	60 (16)	34 (18)
1	105 (32)	49 (30)	108 (29)	51 (28)
2	110 (33)	53 (33)	115 (31)	54 (29)
≥3	88 (27)	44 (27)	90 (24)	45 (24)
<b>Hormone receptor, n (%)</b>				
Positive	328 (99)	162 (99)	333 (89)	166 (90)
Negative	3 (1)	1 (1)	40 (11)	18 (10)
<b>Brain metastases at baseline, n (%)</b>				
18 (5)	7 (4)	24 (6)	8 (4)	
<b>Liver metastases at baseline, n (%)</b>				
247 (75)	116 (71)	266 (71)	123 (67)	
<b>Lung metastases at baseline, n (%)</b>				
98 (30)	58 (36)	120 (32)	63 (34)	

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## OS



## PFS



PFS by blinded independent central review.

HR, hazard ratio; mPFS, median progression-free survival; PFS, progression-free survival; T-DXd, tisotuzumab vedotin; TPC, treatment of physician's choice.



13

## Subgroup Analysis: PFS in HR+

	No. of Events/No. of Patients: T-DXd	No. of Events/No. of Patients: TPC	PFS, median (95% CI), mo T-DXd	PFS, median (95% CI), mo TPC	Hazard Ratio for Disease Progression or Death (95% CI)
<b>Prior CDK4/6 inhibitors</b>					
Yes	149/233	74/115	10.0 (8.3-11.4)	5.4 (4.0-7.8)	
No	60/95	35/47	11.7 (9.5-17.7)	5.9 (4.3-8.2)	
<b>IHC status</b>					
IHC 1+	119/192	66/96	10.3 (8.6-12.3)	5.3 (4.1-7.8)	
IHC 2+/ISH-	92/139	44/67	10.1 (8.2-12.2)	5.9 (4.3-7.9)	
<b>Prior lines of chemotherapy</b>					
1	128/203	63/93	10.9 (8.5-12.3)	6.8 (4.5-8.2)	
≥2	81/127	47/69	9.9 (8.3-11.7)	4.6 (2.8-6.2)	
<b>Age</b>					
<65 years	170/260	78/120	9.8 (8.4-11.3)	5.4 (4.1-7.8)	
≥65 years	41/71	31/43	12.0 (9.5-14.7)	5.6 (4.3-10.8)	
<b>Race</b>					
White	100/158	43/78	10.0 (8.5-12.2)	7.1 (4.0-10.0)	
Asian	83/131	54/66	11.0 (8.4-13.8)	4.8 (4.2-6.4)	
Other	25/37	11/18	6.0 (5.4-10.5)	7.0 (1.4-11.0)	
<b>Region</b>					
Asia	81/128	48/60	10.9 (8.4-14.7)	5.3 (4.2-6.8)	
Europe and Israel	90/149	44/73	10.8 (8.5-13.0)	7.1 (3.0-10.7)	
North America	40/54	18/30	9.5 (8.3-11.3)	4.5 (2.9-8.2)	
<b>ECOG performance status</b>					
0	116/187	55/95	10.9 (9.5-13.0)	7.0 (4.2-8.5)	
1	95/144	55/68	9.7 (7.3-11.5)	4.6 (2.9-8.2)	
<b>Visceral disease at baseline</b>					
Yes	196/298	100/146	9.8 (8.5-11.1)	5.8 (4.4-7.1)	
No	15/33	10/17	17.9 (10.9-26.4)	4.5 (1.6-12.4)	



PFS by blinded independent central review. Based on derived data, which include protocol deviations.

CDK, cyclin-dependent kinase; ECOG, Eastern Cooperative Oncology Group; HR, hormone receptor; IHC, immunohistochemistry; ISH, *in situ* hybridization; PFS, progression-free survival; T-DXd, trastuzumab deruxtecan; TPC, treatment of physician's choice.

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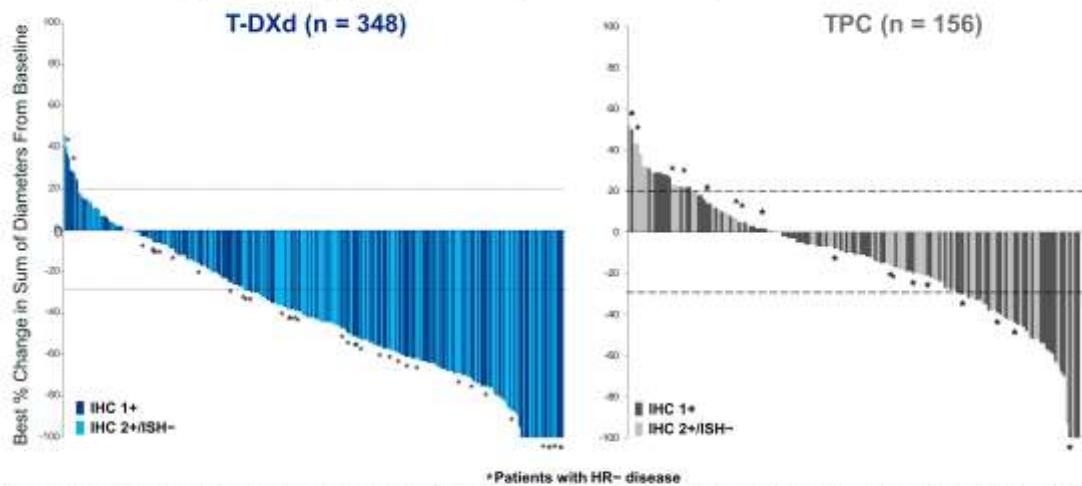
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15

## Best Change in Target Lesions (All Patients)



Shown are the best percentage changes from baseline in the sum of the largest diameters of measurable lesions in patients for whom data from both baseline and postbaseline assessments of target lesions by independent central review were available. The upper dashed horizontal line indicates a 30% increase in tumor size in the patients who had disease progression, and the lower dashed line indicates a 30% decrease in tumor size (partial response).

HR, hormone receptor; IHC, immunohistochemistry; ISH, *in situ* hybridization; T-DXd, trastuzumab deruxtecan; TPC, treatment of physician's choice.

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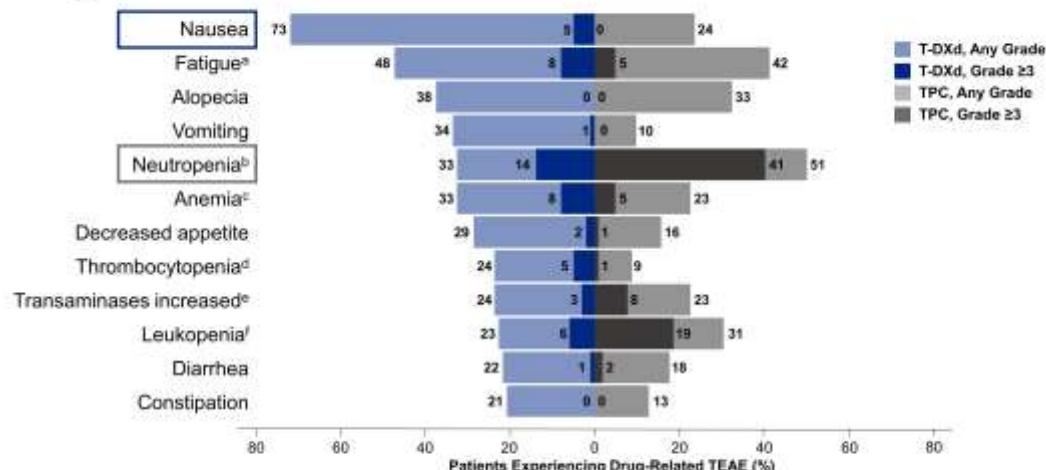
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## Drug-Related TEAEs in ≥20% of Patients



<sup>a</sup>T-DXd, trastuzumab deruxtecan; TEAE, treatment-emergent adverse event; TPC, treatment of physician's choice.  
<sup>b</sup>This category includes the preferred terms fatigue, asthenia, and malaise.  
<sup>c</sup>This category includes the preferred terms neutropenia, neutrophil count decreased and neutropenia. This category includes the preferred terms thrombocytopenia, neutrophil count decreased, anemia, and hemoglobin decreased.  
<sup>d</sup>This category includes the preferred terms platelet count decreased and thrombocytopenia.  
<sup>e</sup>This category includes the preferred terms transaminases increased, aspartate aminotransferase increased, gamma-glutamyltransferase increased, liver function test abnormal, hepatic function abnormal.  
<sup>f</sup>This category includes the preferred terms white-cell count decreased and leukopenia.

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## Overall Safety Summary

n (%)	Safety analysis set <sup>a</sup>	
	T-DXd (n = 371)	TPC (n = 172)
Total patient-years of exposure, years <sup>b</sup>	283.55	63.59
TEAEs	369 (99)	169 (98)
Grade ≥3	195 (53)	116 (67)
Serious TEAEs	103 (28)	43 (25)
TEAEs associated with dose discontinuations	60 (16)	14 (8)
TEAEs associated with dose interruptions	143 (39)	72 (42)
TEAEs associated with dose reductions	84 (23)	66 (38)
TEAEs associated with deaths	14 (4)	5 (3)

- Median treatment duration
  - T-DXd: 8.2 months (range, 0.2-33.3)
  - TPC: 3.5 months (range, 0.3-17.6)
- Most common TEAE associated with treatment discontinuation
  - T-DXd: 8.2%, ILD/pneumonitis<sup>c</sup>
  - TPC: 2.3%, peripheral sensory neuropathy
- Most common TEAE associated with dose reduction
  - T-DXd: 4.6%, nausea and fatigue<sup>d</sup>
  - TPC: 14.0%, neutropenia<sup>d</sup>
- Total on-treatment deaths<sup>e</sup>
  - T-DXd: 3.8%
  - TPC: 4.7%

<sup>a</sup>ILD, interstitial lung disease; T-DXd, trastuzumab deruxtecan; TEAE, treatment-emergent adverse event; TPC, treatment of physician's choice.  
<sup>b</sup>Safety analyses were performed in patients who received ≥1 dose of a study regimen. \*Patient-years of exposure are the treatment duration with year as unit. \*Grouped term. <sup>c</sup>Fatigue includes the preferred terms fatigue, malaise, and asthenia. Neutropenia includes the preferred terms neutropenia and neutrophil count decreased. <sup>d</sup>On-treatment death was defined as any death that occurred from the date of the first dose to 45 days after the last dose of study drug irrespective of the cause; the TEAEs associated with deaths represent a subset of on-treatment deaths reported by the investigator as adverse events.

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# Trastuzumab-deruxtecan

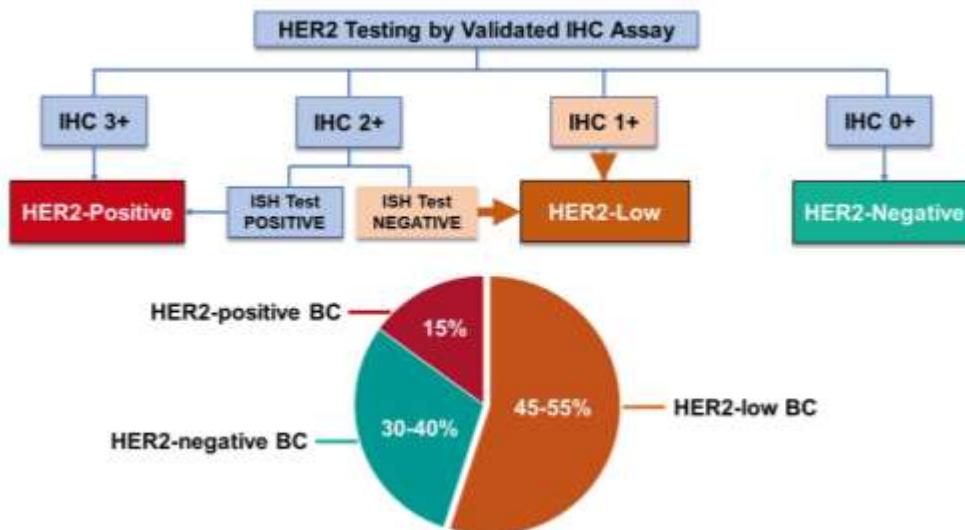
## Conclusies

- Zeer effectieve antibody drug conjugate
- Eerder al bij HER2+ mammaarcinoom
- Nu ook bij HER2-low mammaarcinoom belangrijke behandeloptie
- Bystander effect zorgt ook voor toxiciteit
  - doelgerichte chemotherapie = chemotherapie
- Resistentie mechanismen nog weinig bekend
- Nieuwe indicaties gaan ongetwijfeld volgen
- Kosten!



TITEL VAN DE PRESENTATIE

## Gevolg voor pathologen



## CDK 4/6 remmers in 1<sup>e</sup> lijn gemitastaseerd ER+ BC

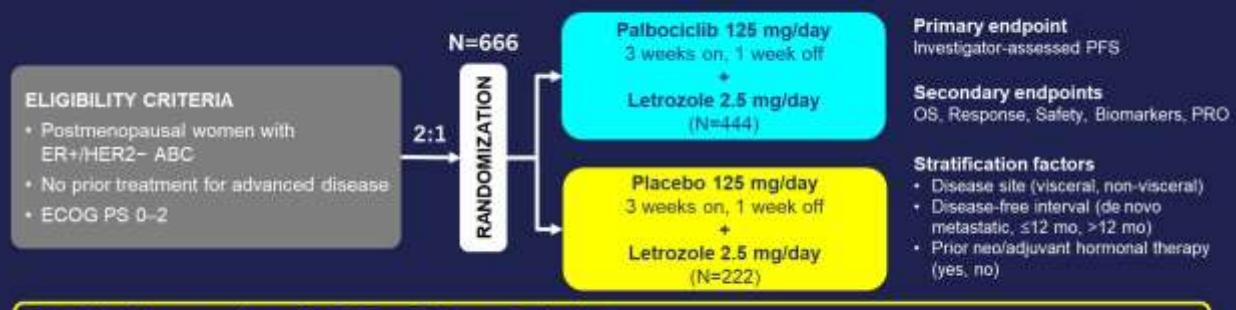
	Median PFS Placebo	Median PFS CDK4/6i	HR (p value)
<b>First line + AI:</b>			
PALOMA-2 (Palbociclib)	14.5 mos	24.8 mos	0.58 (p<.001)
MONALEESA-2 (Ribociclib)	16 mos	25.3 mos	0.57 (p<.001)
MONARCH-3 (Abemaciclib)	14.8 mos	28.2 mos	0.54 (p<.001)

### Overall Survival (OS) With First-Line Palbociclib Plus Letrozole (PAL+LET) Versus Placebo Plus Letrozole (PBO+LET) in Women With Estrogen Receptor–Positive/Human Epidermal Growth Factor Receptor 2–Negative Advanced Breast Cancer (ER+/HER2– ABC): Analyses From PALOMA-2

Richard S. Finn,<sup>1</sup> Hope S. Rugo,<sup>2</sup> Veronique Diéras,<sup>3</sup> Nadia Harbeck,<sup>4</sup> Seock-Ah Im,<sup>5</sup> Karen A. Gelmon,<sup>6</sup> Janice M. Walshe,<sup>7</sup> Miguel Martin,<sup>8</sup> Mariana Chavez-MacGregor,<sup>9</sup> Eustratios Bananis,<sup>10</sup> Eric Gauthier,<sup>11</sup> Dongrui R. Lu,<sup>12</sup> Sindy Kim,<sup>12</sup> Dennis J. Slamon<sup>1</sup>

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## PALOMA-2 Study Design



### Statistical Assumptions for PFS as Primary Endpoint:

- Sample size determined to detect ~44% improvement in median PFS from 9 months for the control arm to 13 months for the palbociclib arm
- Assuming a true hazard ratio of 0.69 in favor of the palbociclib arm (90% power with 1-sided  $\alpha=0.025$ )

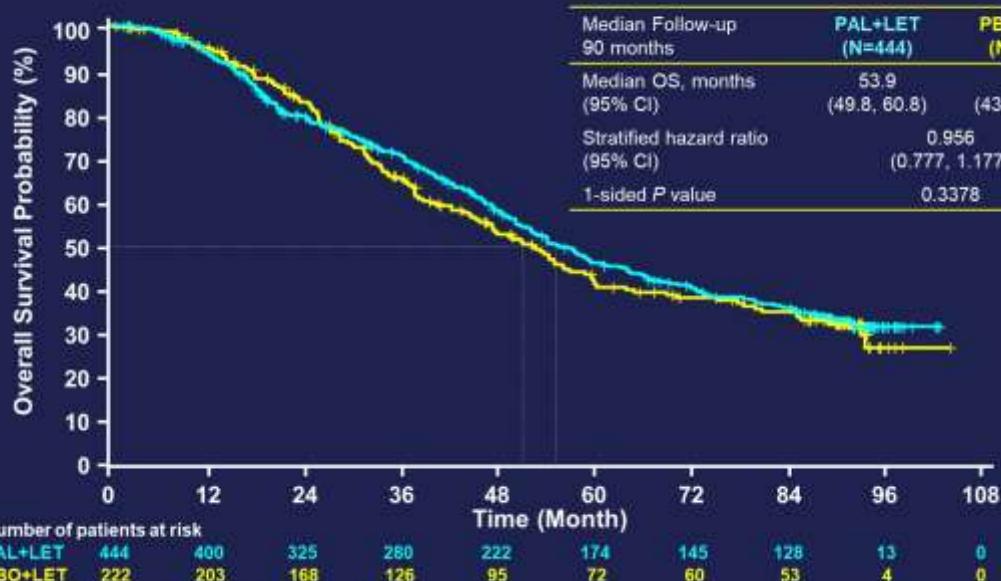
### Statistical Assumptions for OS as Secondary Endpoint:

- Assumption for the control arm median OS of 34 to 46 months (~35% improvement)
- 390 events required to detect a hazard ratio of 0.74 or less (80% power with 1-sided  $\alpha=0.025$ )

ABC=advanced breast cancer; ECOG PS=Eastern Cooperative Oncology Group Performance Status; ER=estrogen receptor; HER2=human epidermal growth factor receptor 2; OS=overall survival; PFS=progression-free survival; PRO=patient-reported outcome.

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## Overall Survival – ITT



ITT=Intent-to-treat; LET=Letrozole; OS=overall survival; PAL=palbociclib; PBO=placebo.

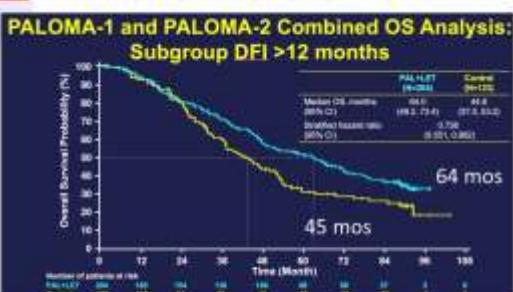
## Why are there OS differences between the studies?

Randomized P3 Trials	PALOMA-2: Palbociclib	MONALEESA-2: Ribociclib	MONALEESA-7: Ribociclib	MONALEESA-3: Ribociclib II Cohort
De novo mBC	38%	34%	41%	20%
Disease-free interval				
DFI < 12 mos	22%	1%	7%	0%
DFI > 12 mos	40%	NR	53%	80%
DFI > 24 mos	NR	60%	NR	NR

No substantial differences in prior therapy, visceral disease, use of subsequent CDK4/6i in placebo arm, other variables

### Limitations:

- Post hoc analyses
- Definition of "missing survival data"



Finn et al NEJM 2016; Hortobagyi et al. NEJM 2016; Tripathy et al JCO 2018; Stamen et al. NEJM 2020

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## CDK4/6 remmers

- 1<sup>e</sup> lijn
  - OS voordeel voor ribociclib; niet voor palbociclib; onbekend abemaciclib
- 2<sup>e</sup> lijn
  - OS voordeel voor ribociclib en abemaciclib; niet voor palbociclib
- Adjuvant
  - DFS voordeel voor abemaciclib, niet voor palbociclib, onbekend ribociclib
- Hebben de drie middelen toch andere effectiviteit?
- Of komt het door verschil in studie populaties (bv TFI)?

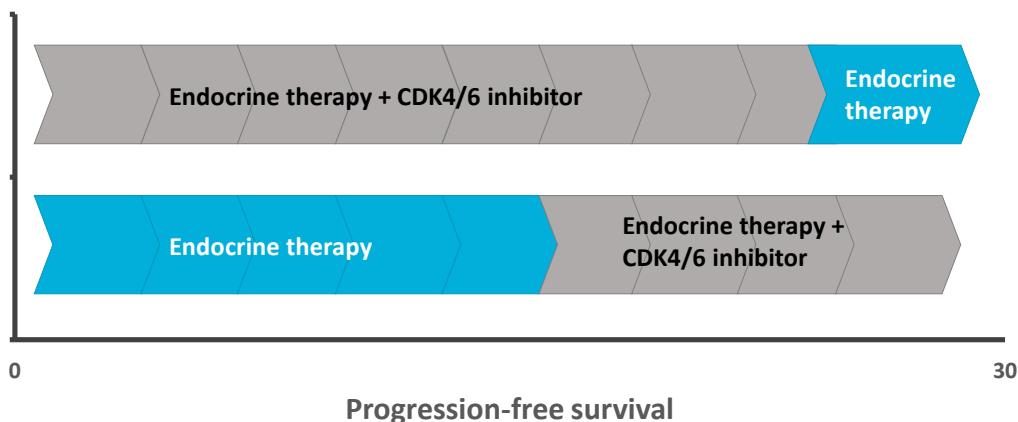


# SONIA study

## optimal use of CDK4/6 inhibitors in advanced breast cancer



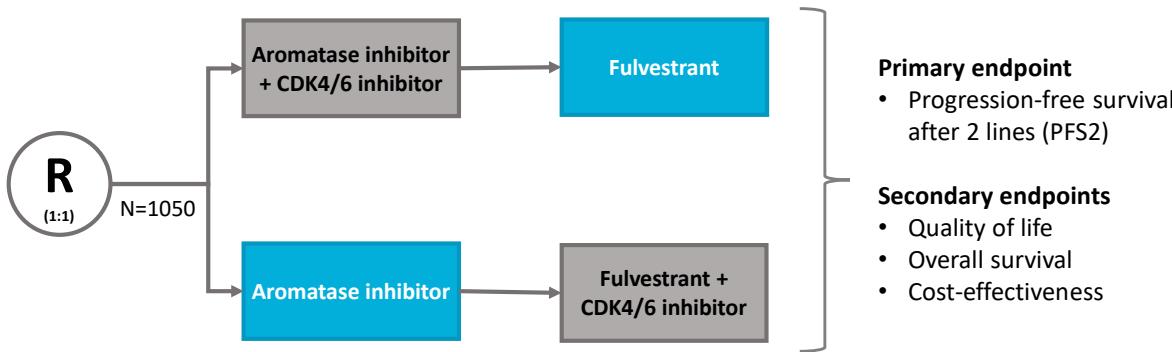
**CDK4/6 inhibition as treatment  
in advanced breast cancer**



Based on Paloma, Monaleesa and Monarch studies



## SONIA study design



NCT03425838  
BMC Cancer. 2018 Nov 20;18(1):1146

## CDK4/6 remmers

- 1<sup>e</sup> lijn
  - OS voordeel voor ribociclib; niet voor palbociclib; onbekend abemaciclib
- 2<sup>e</sup> lijn
  - OS voordeel voor ribociclib en abemaciclib; niet voor palbociclib
- Adjvant
  - DFS voordeel voor abemaciclib, niet voor palbociclib, onbekend ribociclib
- Hebben de drie middelen toch andere effectiviteit?
- Of komt het door verschil in studie populaties (bv TFI)?



**A randomized phase II trial of fulvestrant or exemestane with or without ribociclib after progression on anti-estrogen therapy plus cyclin-dependent kinase 4/6 inhibition in patients with unresectable or metastatic hormone receptor positive, HER2 negative breast cancer:  
MAINTAIN Trial**

Kevin Kalinsky, Melissa K Accordino, Cody Chiuzan, Prabhjot Mundi, Meghna S Trivedi, Yelena Novik, Amy Tiersten, Amelia Zelnak, George Raptis, Lea Baer, Sun Y Oh, Erica Stringer-Reasor, Sonya Reid, Eleni Andreopoulou, William Gradishar, Kari B Wisinski, Anne O'Dea, Ruth O'Regan, Katherine D Crew, Dawn L Hershman



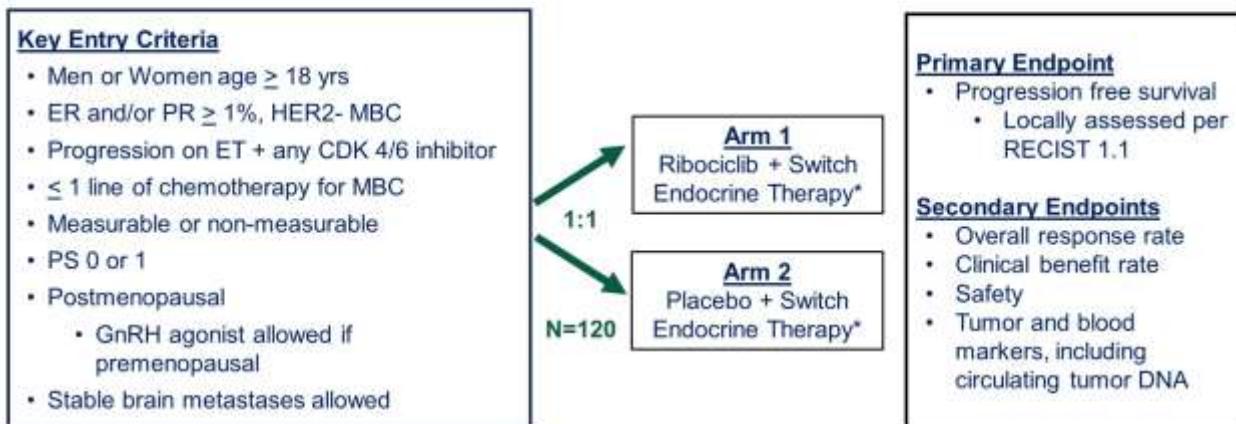
#ASCO22

PRESENTED BY  
Dawn L Hershman, MD, MS

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## Schema



- Fulvestrant as endocrine therapy in pts with progression on a prior aromatase inhibitor for MBC and no prior fulvestrant; Protocol amended to allow exemestane as endocrine therapy if progression on prior fulvestrant (September 2018); Ribociclib 600 mg administered 3 weeks on/1 week off



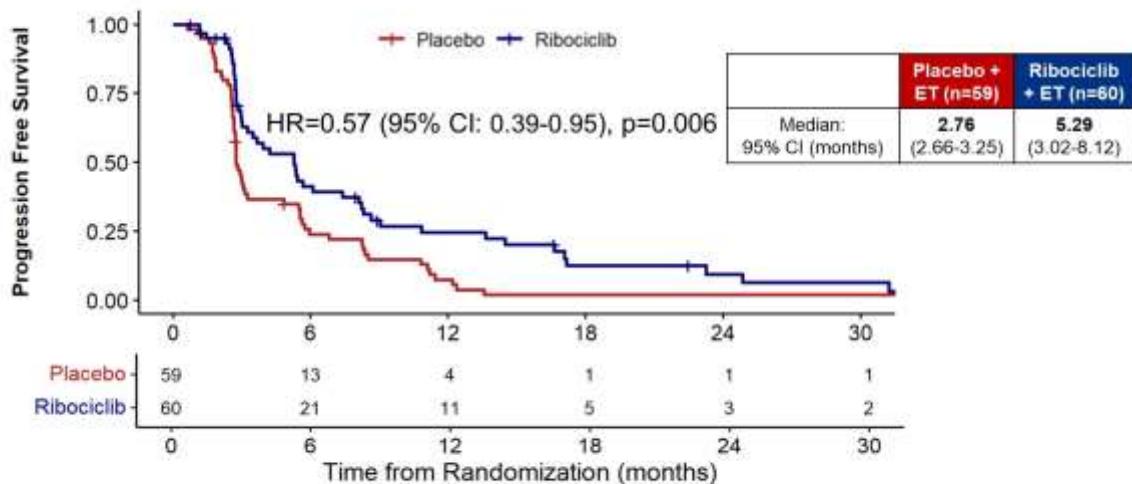
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## Primary Endpoint: Progression Free Survival (PFS)

2022 ASCO  
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CLINICAL ONCOLOGY  
KNOWLEDGE CONQUERS CANCER

## Conclusion

- First randomized trial to show the benefit of ribociclib and switching ET after CDK 4/6 inhibitor progression
  - Ribociclib + ET led to a statistically significant improvement in PFS compared to placebo + ET in pts with tumor progression following prior CDK 4/6 inhibitor
  - Palbociclib was the prior CDK4/6 inhibitor in 87% of pts
  - 43% risk reduction of progression or death with ribociclib vs. placebo in ITT population
  - Higher PFS rate at 6 months and 12 months, as well as improved clinical benefit rate, with ribociclib vs. placebo
  - Ribociclib + ET demonstrated a manageable safety profile

2022 ASCO  
ANNUAL MEETING

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## Optimale sequentie van CDK4/6 remmers

- 1<sup>e</sup> of 2<sup>e</sup> lijn volgt uit SONIA studie (verwacht volgend jaar)
- Treatment beyond progression?
  - Maintain studie is hypothese genererend
  - Andere studies lopen, bv head tot head comparisons (Harmonia studie)

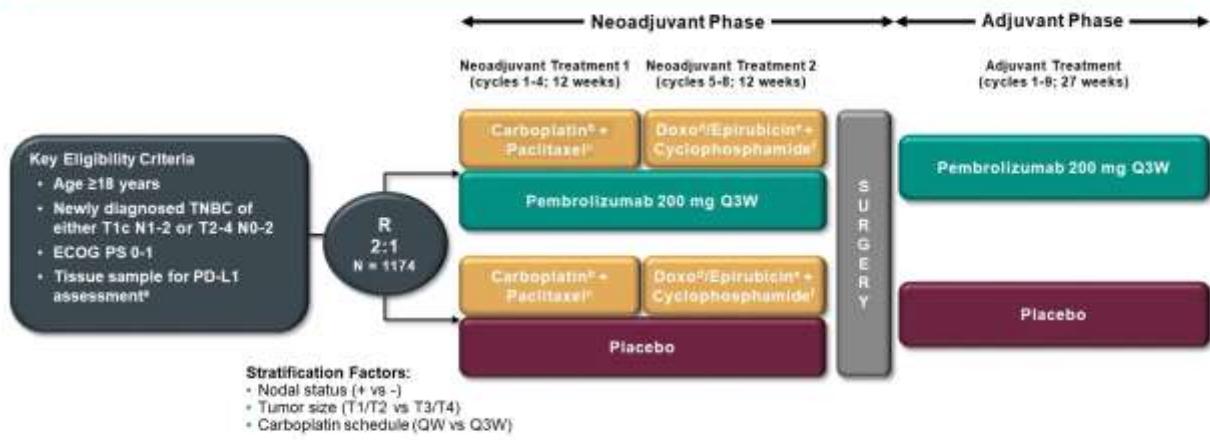


## Event-free Survival by Residual Cancer Burden After Neoadjuvant Pembrolizumab + Chemotherapy vs Placebo + Chemotherapy for Early-Stage TNBC: Exploratory Analysis From KEYNOTE-522

Lajos Pusztai<sup>1</sup>, Carsten Denkert<sup>2</sup>, Joyce O'Shaughnessy<sup>3</sup>, Javier Cortes<sup>4</sup>, Rebecca Dent<sup>5</sup>, Heather McArthur<sup>6</sup>, Sherko Kümmel<sup>7</sup>, Jonas Bergh<sup>8</sup>, Yeon Hee Park<sup>9</sup>, Rina Hui<sup>10</sup>, Nadia Harbeck<sup>11</sup>, Masato Takahashi<sup>12</sup>, Michael Untch<sup>13</sup>, Peter A. Fasching<sup>14</sup>, Fatima Cardoso<sup>15</sup>, Yalin Zhu<sup>16</sup>, Wilbur Pan<sup>16</sup>, Konstantinos Tryfonidis<sup>16</sup>, Peter Schmid<sup>17</sup>

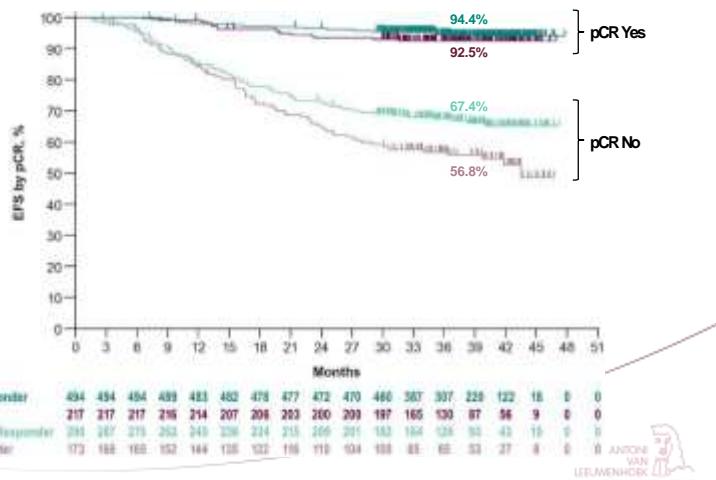
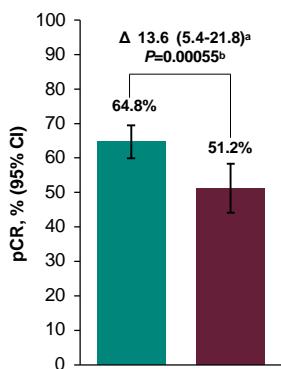
1. Yale School of Medicine, Yale Cancer Center, New Haven, CT, USA; 2. Institute of Pathology, Philipps-University Marburg and University Hospital Marburg, Marburg, Germany; 3. Baylor University Medical Center, Texas Oncology, US Oncology Network, Dallas, TX, USA; 4. International Breast Cancer Center, Quironsalud Group, Barcelona, Spain and Universidad Europea de Madrid, Faculty of Biomedical and Health Sciences, Department of Medicine, Madrid, Spain; 5. National Cancer Center Singapore, Duke – National University of Singapore Medical School, Singapore; 6. University of Texas Southwestern Medical Center, Dallas, TX, USA; 7. Breast Unit, Kliniken Essen-Mitte, Essen, Germany and Charité – Universitätsmedizin Berlin, Department of Gynecology with Breast Center, Berlin, Germany; 8. Department of Oncology-Pathology, Karolinska Institutet and Breast Cancer Centre, Cancer Thérme, Karolinska University Hospital, Karolinska Comprehensive Cancer Center Solna, Sweden; 9. Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea; 10. Westmead Breast Cancer Institute, Westmead Hospital and the University of Sydney, Sydney, NSW, Australia; 11. Breast Center, LMU University Hospital, Munich, Germany; 12. Hokkaido Cancer Center, Sapporo, Japan; 13. Breast Cancer Center, Helios Klinikum Berlin-Buch, Berlin, Germany; 14. University Hospital Erlangen, Comprehensive Cancer Center Erlangen-EMN, Erlangen, Germany; 15. Breast Unit, Champalimoaud Clinical Center/Champalimoaud Foundation, Lisbon, Portugal; 16. Oncology, Merck & Co., Inc., Rahway, NJ, USA; 17. Centre for Experimental Cancer Medicine, Barts Cancer Institute, Queen Mary University of London, London, UK

# KEYNOTE-522 Study Design (NCT03036488)



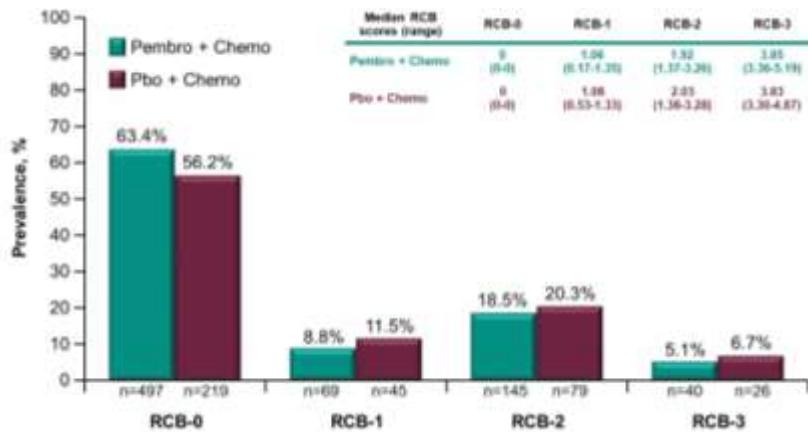
## Eerdere resultaten uit KEYNOTE-522

**Pembro + Chemo (N = 401)**  
**Pbo + Chemo (N = 201)**

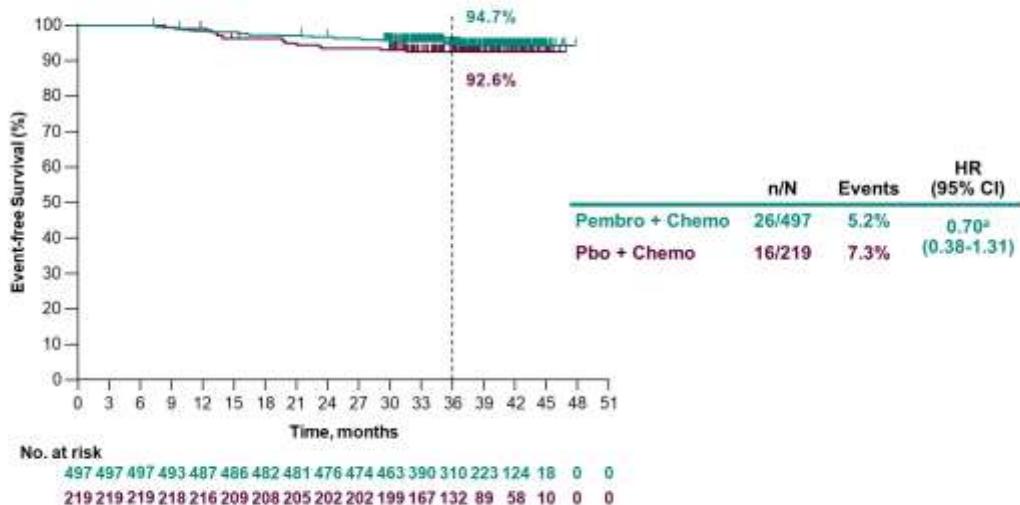


## Residual cancer burden

- Semi kwantitatieve maat voor de hoeveelheid restziekte die over is op schaal 0-3

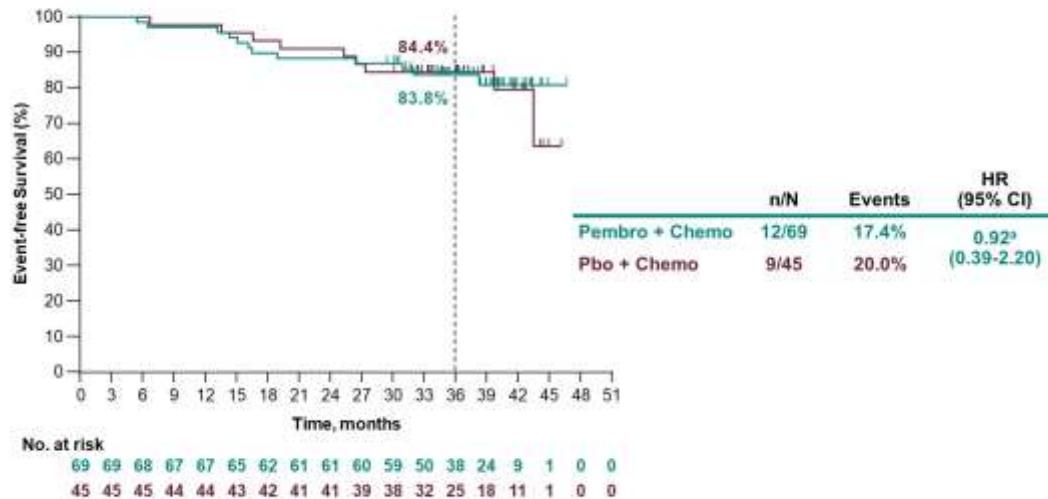


## EFS in RCB-0



<sup>a</sup>Hazard ratio (CI) analyzed based on a Cox regression model with treatment as a covariate. Data cutoff date: March 23, 2021.

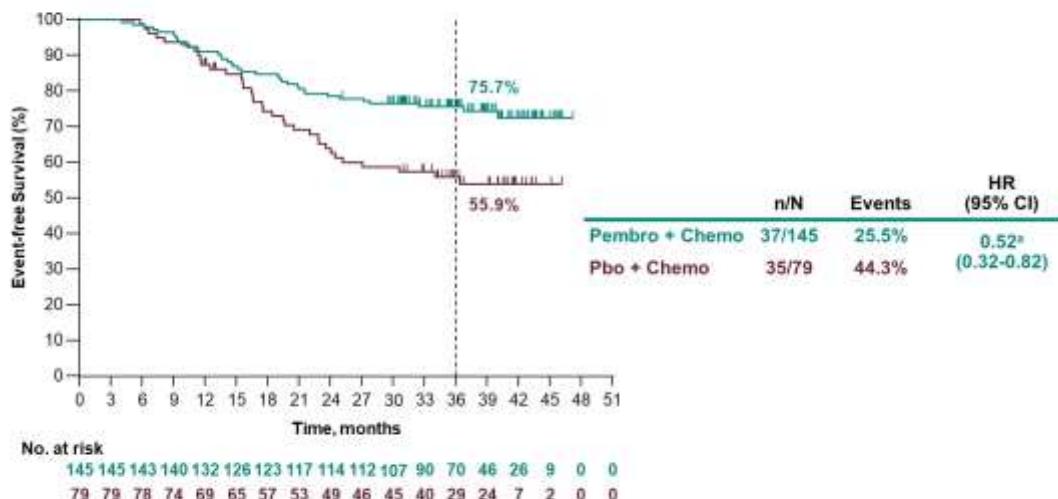
## EFS in RCB-1



<sup>a</sup>Hazard ratio (CI) analyzed based on a Cox regression model with treatment as a covariate. Data cutoff date: March 23, 2021.

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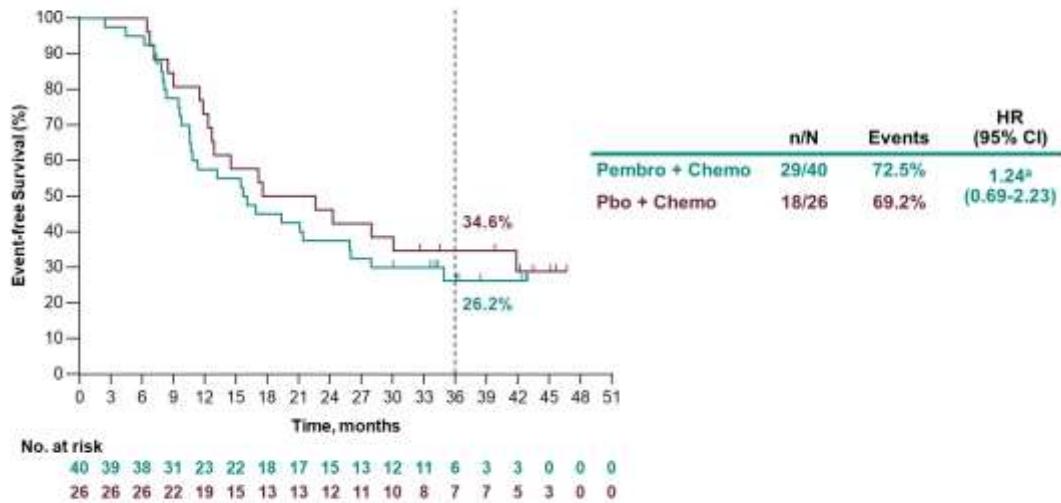
## EFS in RCB-2



<sup>a</sup>Hazard ratio (CI) analyzed based on a Cox regression model with treatment as a covariate. Data cutoff date: March 23, 2021.

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## EFS in RCB-3



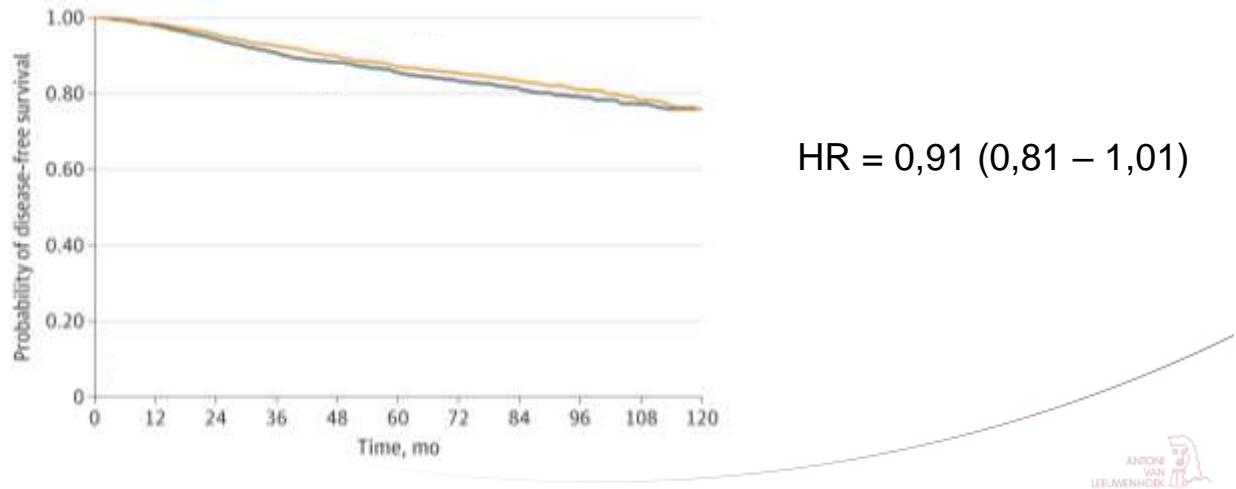
<sup>a</sup>Hazard ratio (CI) analyzed based on a Cox regression model with treatment as a covariate. Data cutoff date: March 23, 2021.

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## Pembrolizumab neo-adjuvant triple negatief

- Verbeterd response (meer pCR)
- Als er goede response is dan voegt pembrolizumab niets toe
- Zeer onzeker of 12 maanden behandeling nodig is

## VB: trastuzumab 6 vs 12 maanden adjuvant

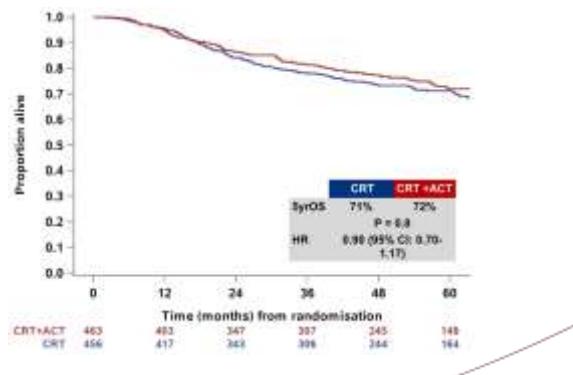
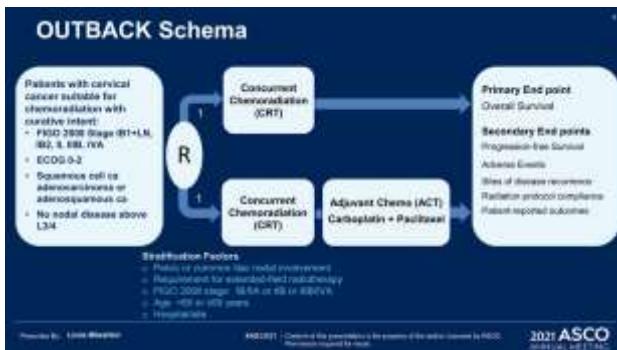


## Cervixcarcinoom

### Conclusies

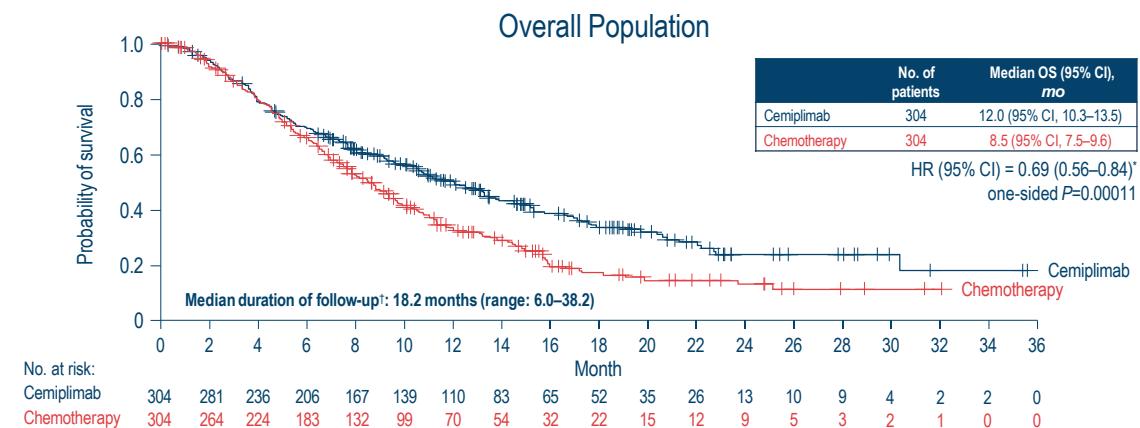
- Geen indicatie adjuvant chemotherapie
  - neo-adjuvante studies lopen wel (ook met oog op fertilititeit)
- Anti-PD-(L)1 actief bij M+ in 1<sup>e</sup> en 2<sup>e</sup> lijn bij PD-L1+
  - EMA registratie, CieBOM en vergoeding volgen

## Chemoradiatie ± adjuvant chemotherapie bij cervixcarcinoom



Mileshkin. Abstract #LBA3

## Cemiplimab 2<sup>e</sup> lijn cervixcarcinoom OVERALL SURVIVAL

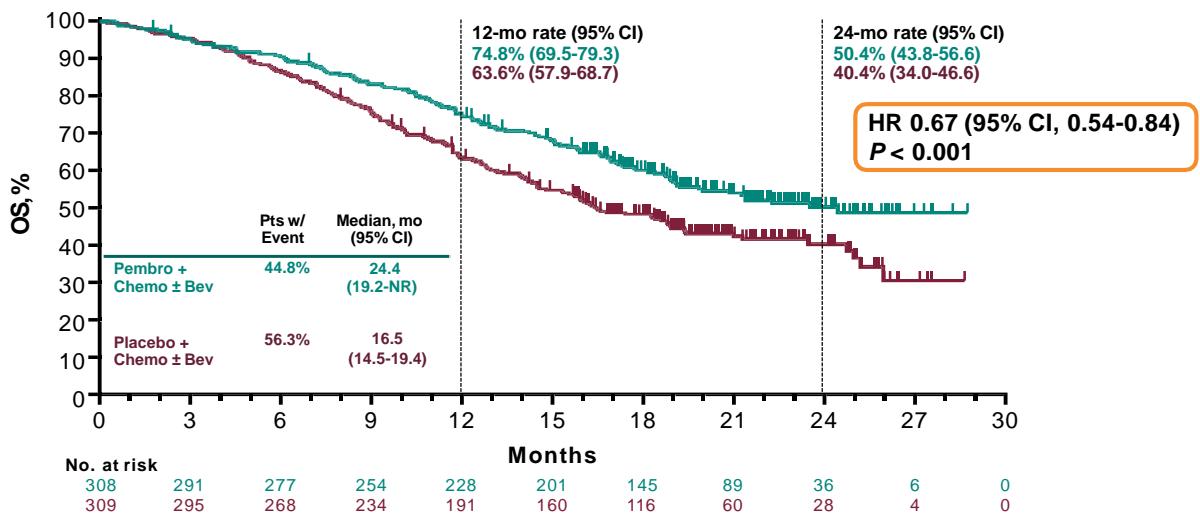


\*Stratified by geographic region (North America vs Asia vs ROW) and Histology (SCC vs AC) according to interactive web response system. †From randomisation to data cutoff date. AC, adenocarcinoma or adenosquamous carcinoma; CI, confidence interval; HR, hazard ratio; mo, month; OS, overall survival; ROW, rest of world; SCC, squamous cell carcinoma..

ESMO VIRTUAL PLENARY

Data cutoff date: 4 Jan 2021

## Pembrolizumab 1<sup>e</sup> lijn cervixcarcinoom OS



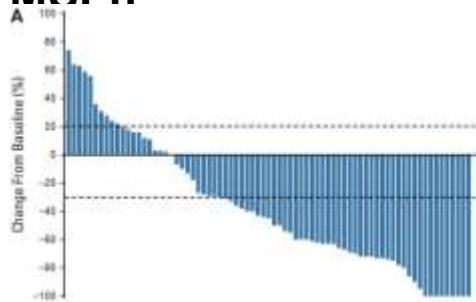
Data cutoff date: May 3, 2021.

## Endometriumcarcinoom

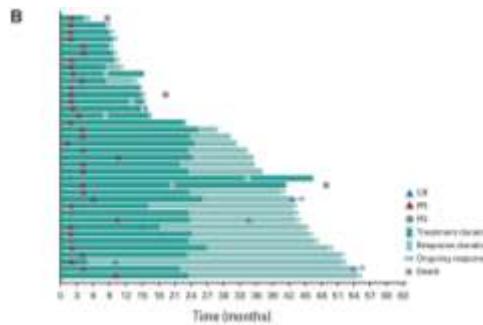
### Conclusies

- Dostarlimab en Pembrolizumab 2<sup>e</sup> lijn monotherapie bij MSI tumoren
  - Dostarlimab EMA geregistreerd, pembrolizumab nu ter beoordeling
  - voldoen aan CieBOM single arm criteria (?)
- Pembrolizumab + lenvatinib 2<sup>e</sup> lijn
  - EMA geregistreerd, CieBOM en ZINL volgen
  - toxisch
  - toegevoegde waarde lenvatinib bij dMMR?
  - toegevoegde waarde pembro bij pMMR?

## Keynote-158 trial: ORR en DOR pembrolizumab in MSI-h



ORR 48% (37-60)  
mnd)



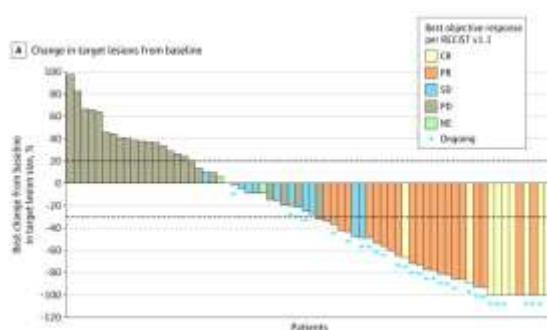
median DOR not reached (3-50)

J Clin Oncol 2022; 7: 752-61

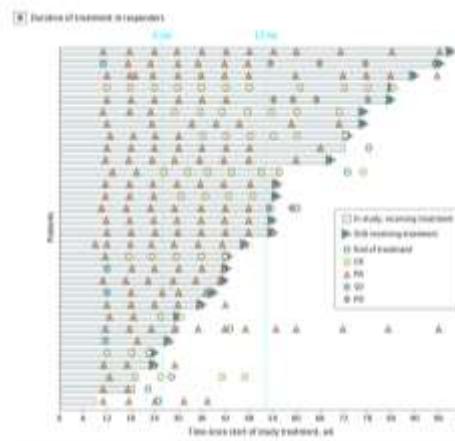


TITEL VAN DE PRESENTATIE

## GARNET trial: ORR en DOR dostarlimab in MSI-h



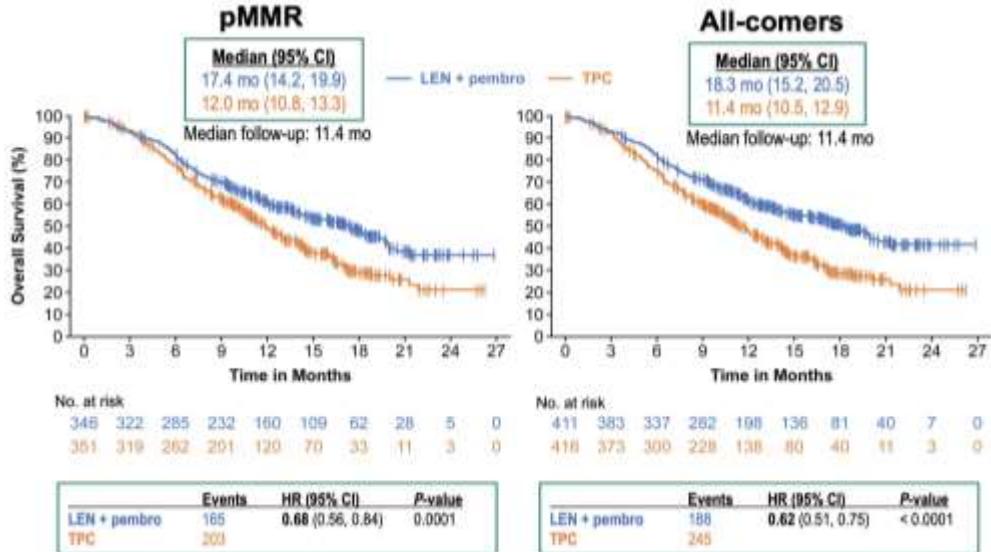
ORR 42%; 95% CI, 31%-55%  
Median DOR not reached



JAMA Oncol 2020; 6: 1-7

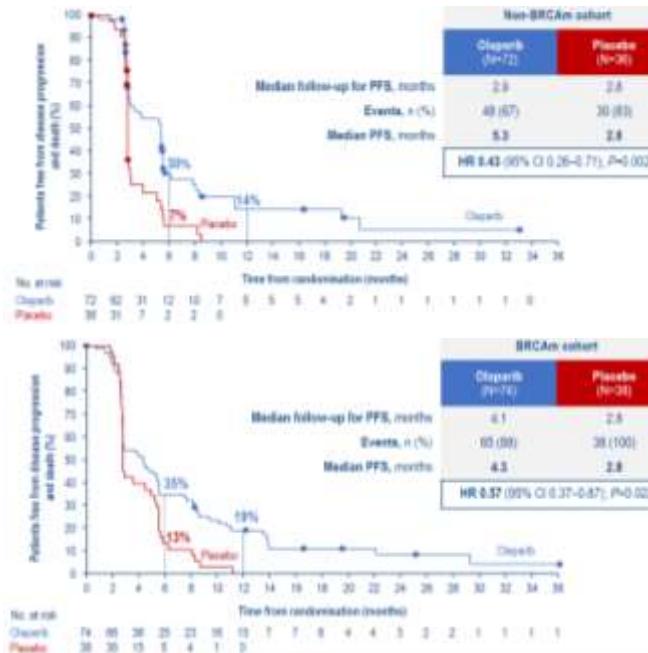


## Lenvatinib + pembro vs physician's choice



## Ovariumcarcinoom

- Absolute winst van PARP na PARP beperkt bij ovariumcarcinoom
- Platinum minder effectief na eerder PARP (maar toch 1<sup>e</sup> keus bij interval >6mnd)
- Folaat receptor belangrijk voor imaging én behandeling

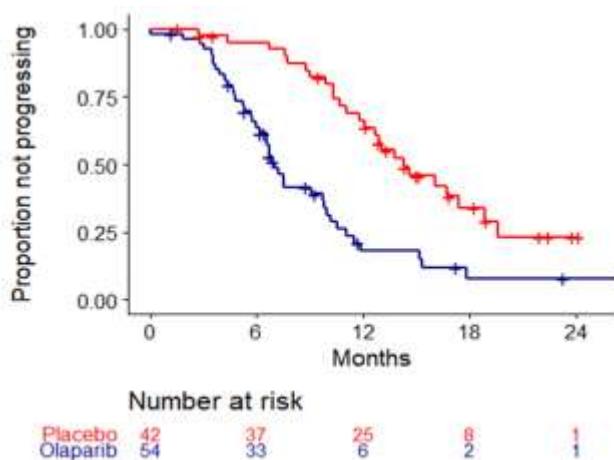


Pujade-Lauraine; ESMO 2021



## Platinum na PARP: SOLO-2

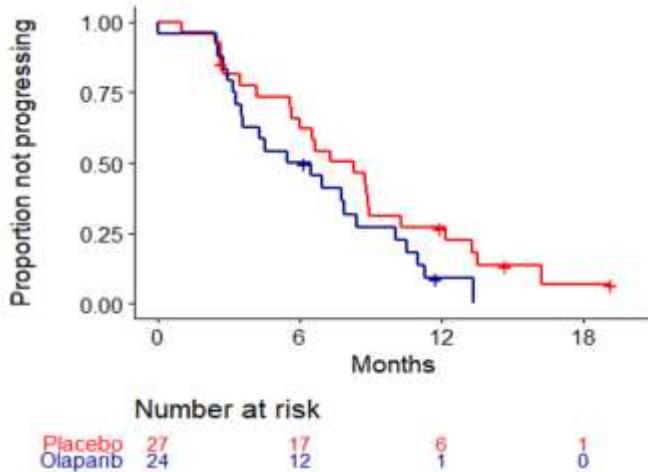
Olaparib vs Placebo  
median 7.0 vs 14.3 months  
HR=2.89; 95%CI [1.73, 4.82]



Frenel; ESMO 2020

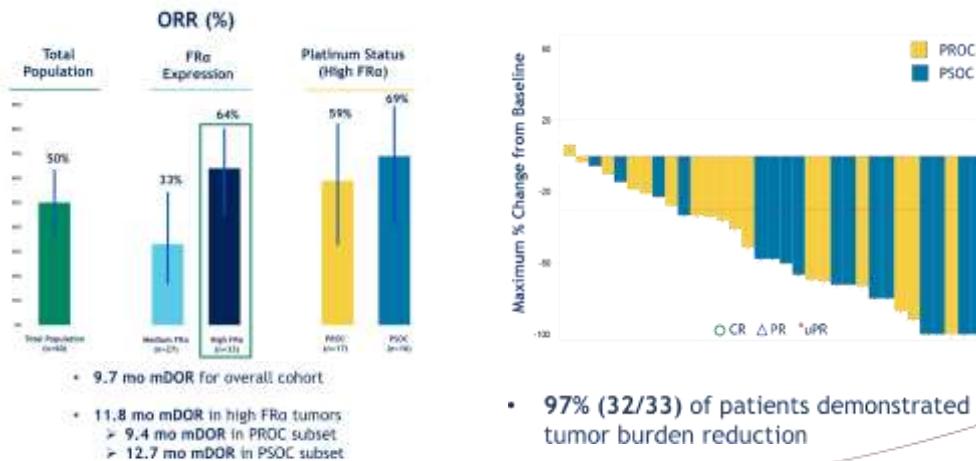
## Non-platinum na PARP: SOLO-2

Olaparib vs Placebo  
Median: 6.0 vs 8.3 months  
HR=1.58; 95%CI [0.86,2.90 ]



Frenel; ESMO 2020

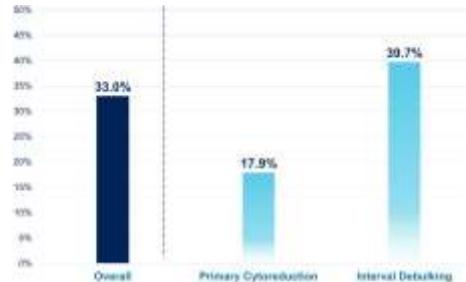
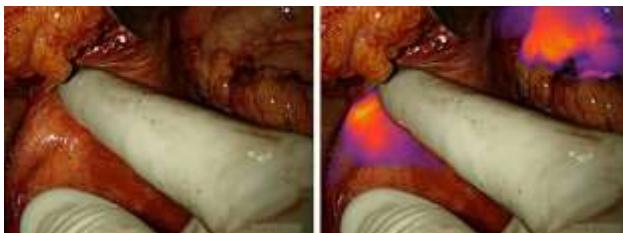
## Mirvetuximab soravtansine met bevacizumab bij ovariumcarcinoom



O'Malley, Abstract #5504



## Intra-operatieve imaging van folate receptor



Tanyi. Abstract #5503



## Highlights

- Mamma
  - Trastuzumab-deruxtecan ++
  - Pembrolizumab +
  - Palbociclib -
- Cervix
  - Adjuvant chemotherapie -
  - Immuuntherapie 1<sup>e</sup> en 2<sup>e</sup> lijn +
- Endometrium
  - Pembrolizumab (+ lenvatinib) +
- Ovarium
  - PARP remming +
  - Mirvetuximab +

ORIGINAL ARTICLE

Trastuzumab Deruxtecan in Previously Treated HER2-Low Advanced Breast Cancer

ORIGINAL ARTICLE

Pembrolizumab for Persistent, Recurrent, or Metastatic Cervical Cancer

ORIGINAL ARTICLE

Survival with Cemiplimab in Recurrent Cervical Cancer

ORIGINAL ARTICLE

Lenvatinib plus Pembrolizumab for Advanced Endometrial Cancer

