

TNBC-Update

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Conflict of Interest

 CONSULTING FEES: Roche/Genetech, Novartis, Eli Lilly, Gilead, Puma, Pfizer, AstraZeneca, Biotheranuatics, Daiichi Sankyo, Concerto Al, Sanofi

• FEES FOR NON-CME SERVICES: Eli Lilly

• CONTRACTED RESEARCH: Roche/Genetech, Puma, Celcuity, Merck, BMS, Eli Lilly, GTx inc, Astrazeneca, Pfizer, Gilead, Tesaro, Halozyme,

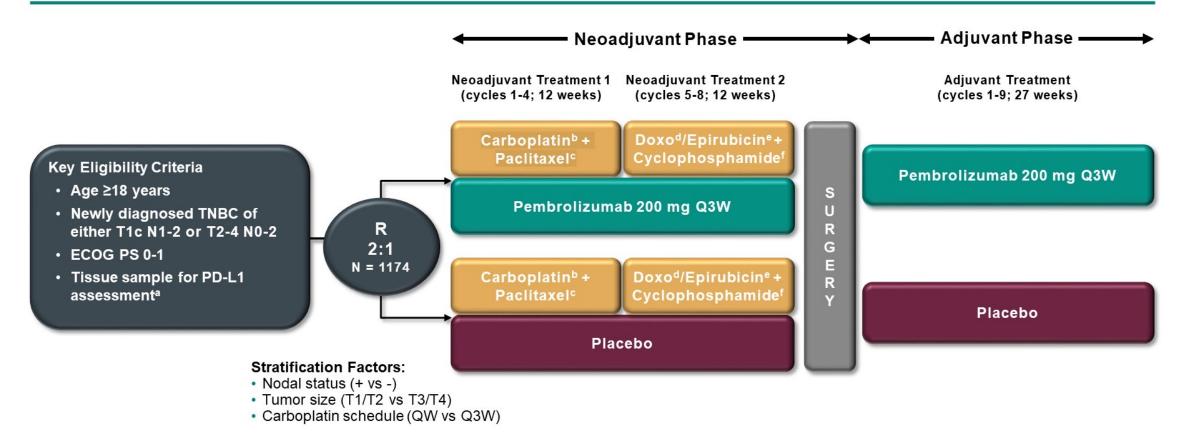
Ownership: Oncodisc

Objective: State of TNBC

- 1. Evolving Therapies for Early TNBC
- 2. Evolving Therapies for metastatic TNBC
- 3. Will offer my opinion on treatment sequencing

Neo/Adjuvant

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)

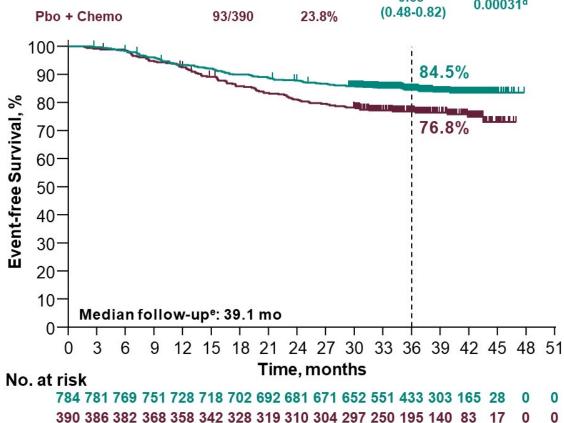
^aMust consist of at least 2 separate tumor cores from the primary tumor. ^bCarboplatin dose was AUC 5 Q3W or AUC 1.5 QW. ^cPaclitaxel dose was 80 mg/m² QW. ^dDoxorubicin dose was 60 mg/m² Q3W. ^cEpirubicin dose was 90 mg/m² Q3W. ^fCyclophosphamide dose was 600 mg/m² Q3W.

Primary Analyses of KEYNOTE-522

Pembro + Chemo (N = 401)Pbo + Chemo (N = 201) 100-Δ 13.6 (5.4-21.8)^a 90-P=0.00055b 80-64.8% 70ock, % (95% CI) 51.2% 60-50-40-30-20-10ypT0/Tis ypN0

pCR at IA11

EFS at IA4² n/N Events (95% CI) *P*-value 123/784 15.7% 0.63° 0.00031d

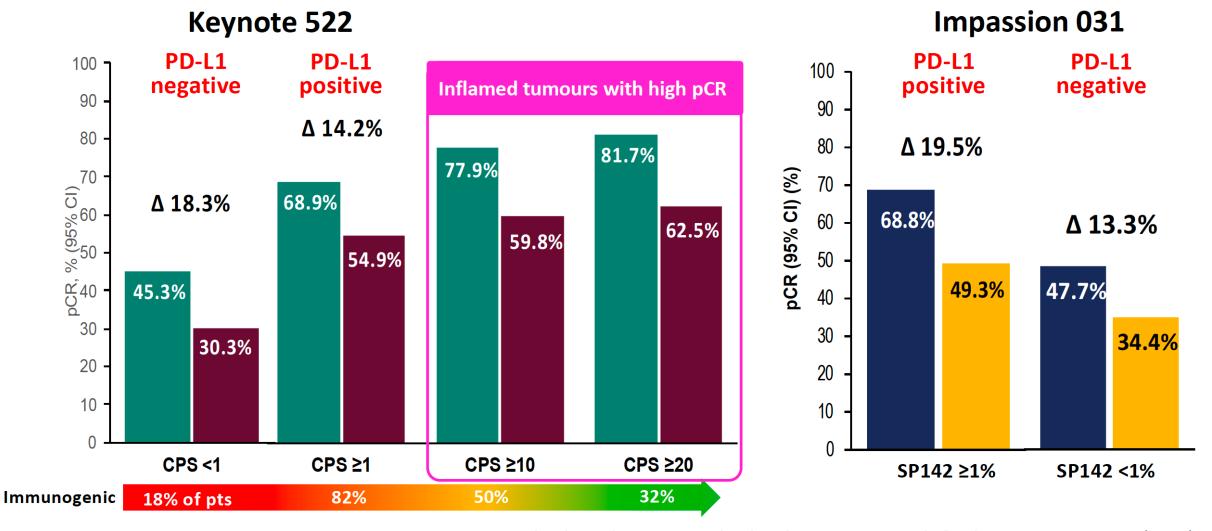


1. Schmid P, et al. *N Engl J Med* 2020;382:810-21. 2. Schmid P, et al. *N Engl J Med* 2022;386:556-67. Estimated treatment difference based on Miettinen & Nurminen method stratified by randomization stratification factors. Prespecified *P*-value boundary for significance of 0.003 was crossed; data cutoff date: September 24, 2018. Hazard ratio (CI) analyzed based on a Cox regression model with treatment as a covariate stratified by the randomization stratification factors. Prespecified *P*-value boundary of 0.00517 was crossed. Defined as the time from randomization to the data cutoff date of March 23, 2021.

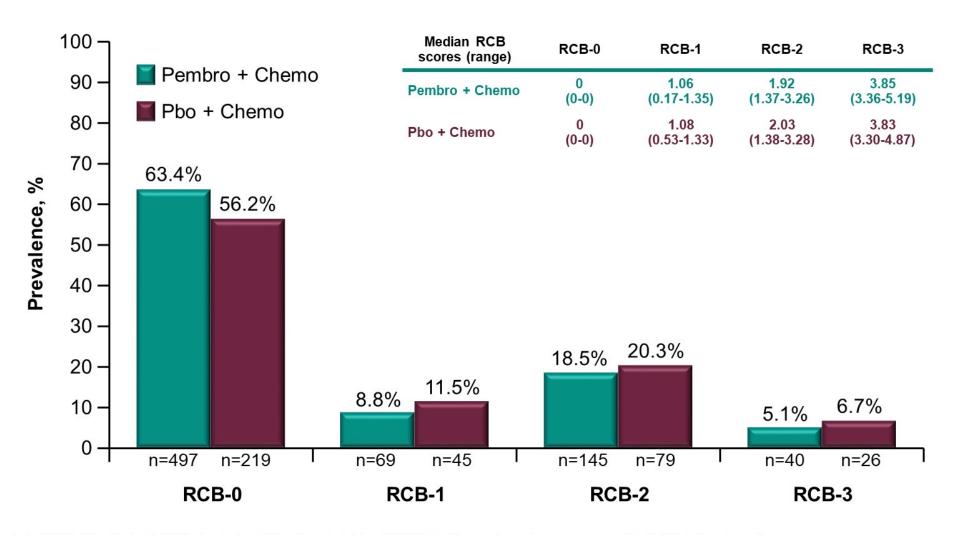
Pembro + Chemo

Neoadjuvant CIT in TNBC: pCR rates by PD-L1 expression

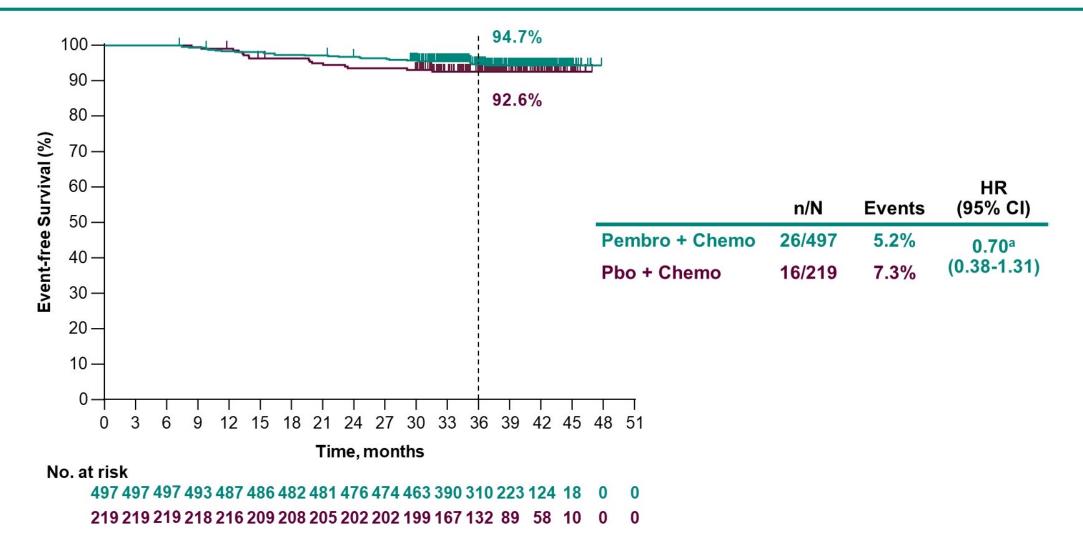
PDL1-positive and PDL1-negative patients benefit from CIT



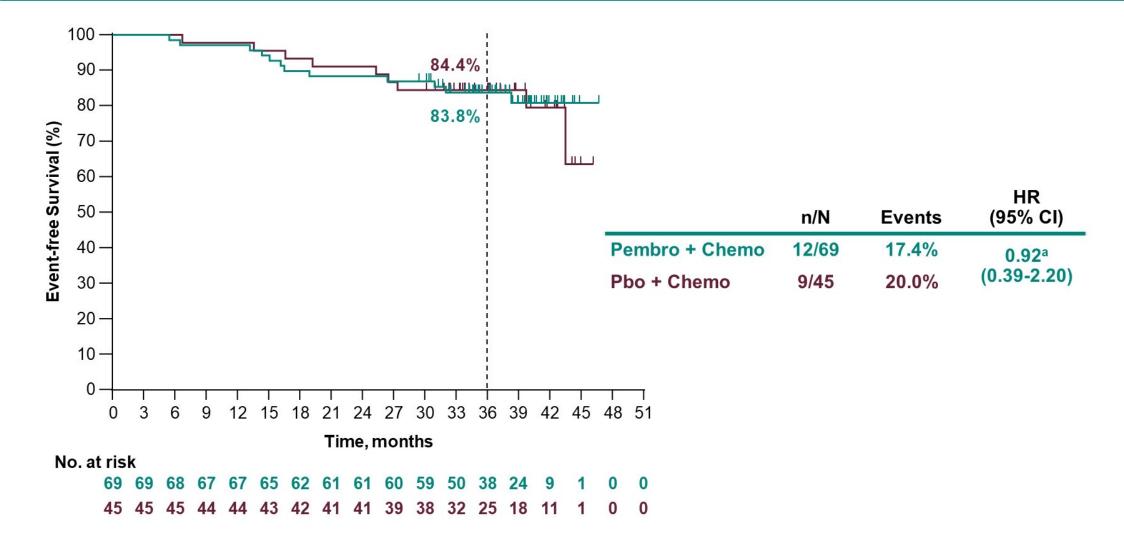
Prevalence of RCB Categories in All Patients



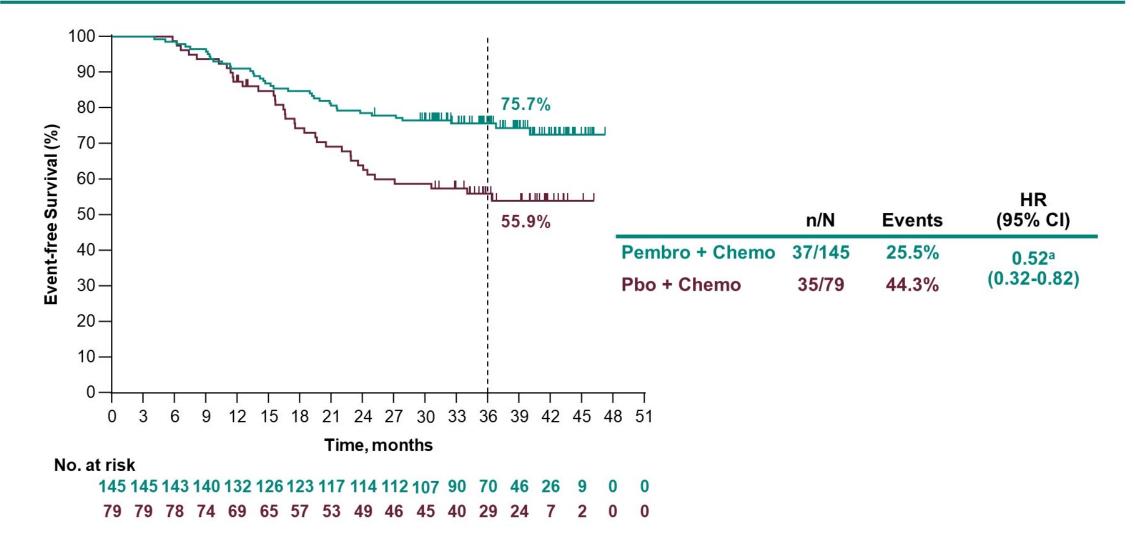
Among all patients (n=1174), 54 patients (4.6%) had missing RCB categorical data: 33 (4.2%) in the pembro + chemo group and 21 (5.4%) in the pbo + chemo group. Data cutoff date: March 23, 2021.



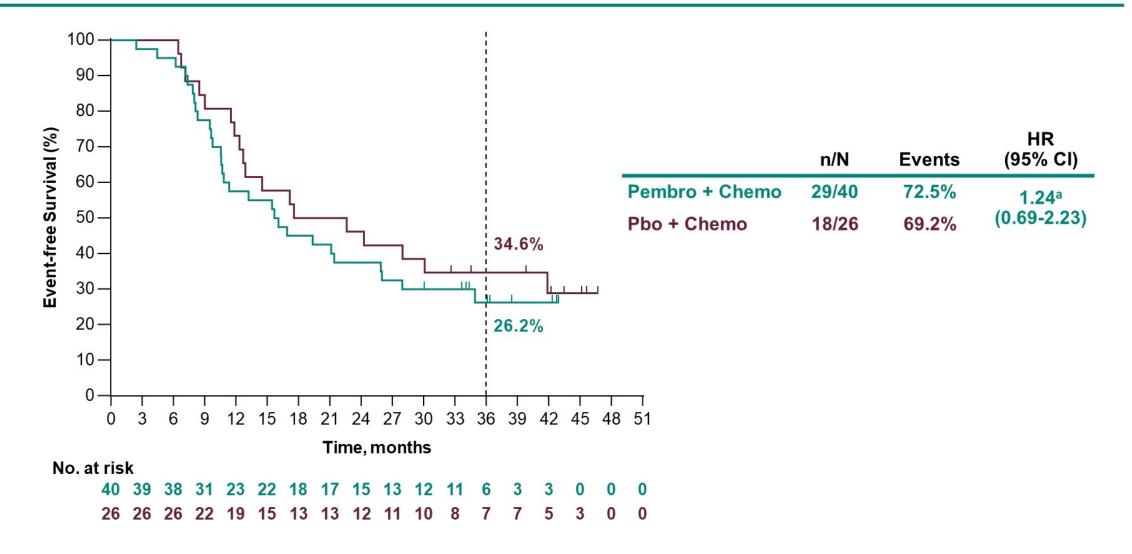
^aHazard ratio (CI) analyzed based on a Cox regression model with treatment as a covariate. Data cutoff date: March 23, 2021.



^aHazard ratio (CI) analyzed based on a Cox regression model with treatment as a covariate. Data cutoff date: March 23, 2021.



^aHazard ratio (CI) analyzed based on a Cox regression model with treatment as a covariate. Data cutoff date: March 23, 2021.



^aHazard ratio (CI) analyzed based on a Cox regression model with treatment as a covariate. Data cutoff date: March 23, 2021.



Neoadjuvant Phase II Study of Pembrolizumab and Carboplatin plus Docetaxel in Triple Negative Breast Cancer (NeoPACT)

Priyanka Sharma, Shane R. Stecklein, Rachel Yoder, Joshua M. Staley, Kelsey Schwensen, Anne O'Dea, Lauren Nye, Manana Elia, Deepti Satelli, Gregory Crane, Rashna Madan, Maura F. O'Neil, Jamie Wagner, Kelsey E. Larson, Christa Balanoff, Milind A. Phadnis, Andrew K. Godwin, Roberto Salgado, Qamar J. Khan, Joyce O'Shaughnessy

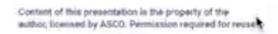






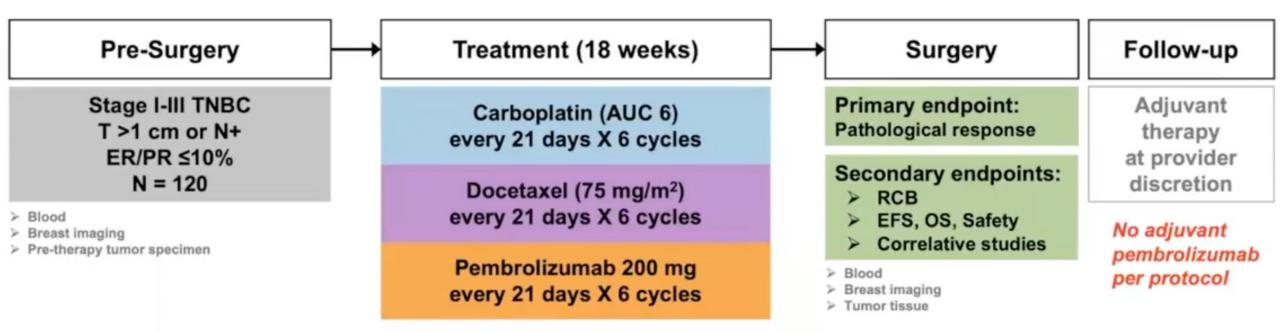








Study Design-- NeoPACT





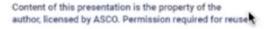


Sites: University of Kansas and Baylor University Medical Center



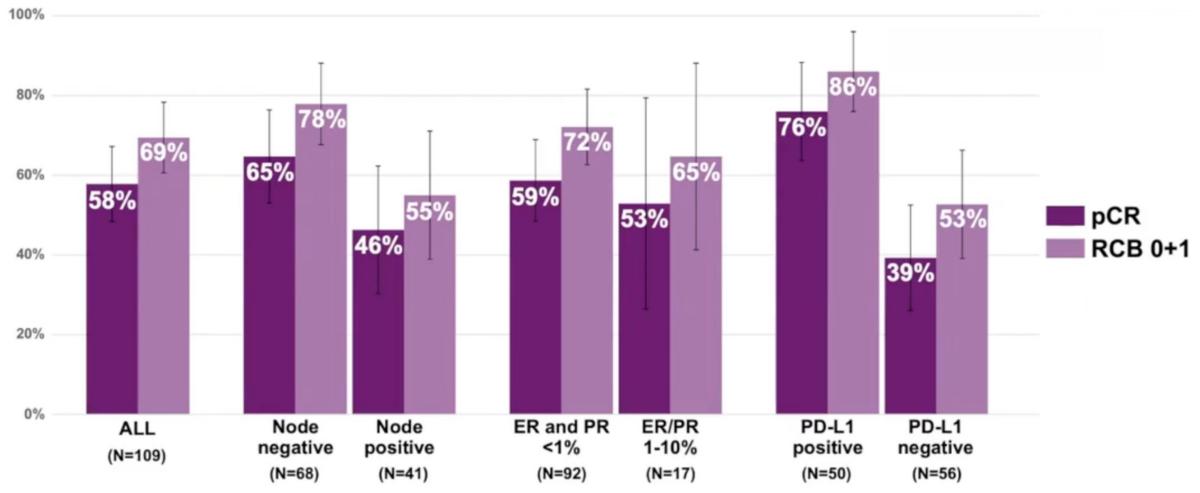








RESULTS: Pathologic Complete Response



- No patients had disease progression during neoadjuvant treatment.
- Among patients with stage II-III disease and ER & PR IHC <1%, pCR and RCB 0+1 rates were 59% and 69%, respectively.</p>
- pCR in TNM stage I, II, and III disease was 69%, 59%, and 43%, respectively.

Error bars represent 95% binomial confidence intervals

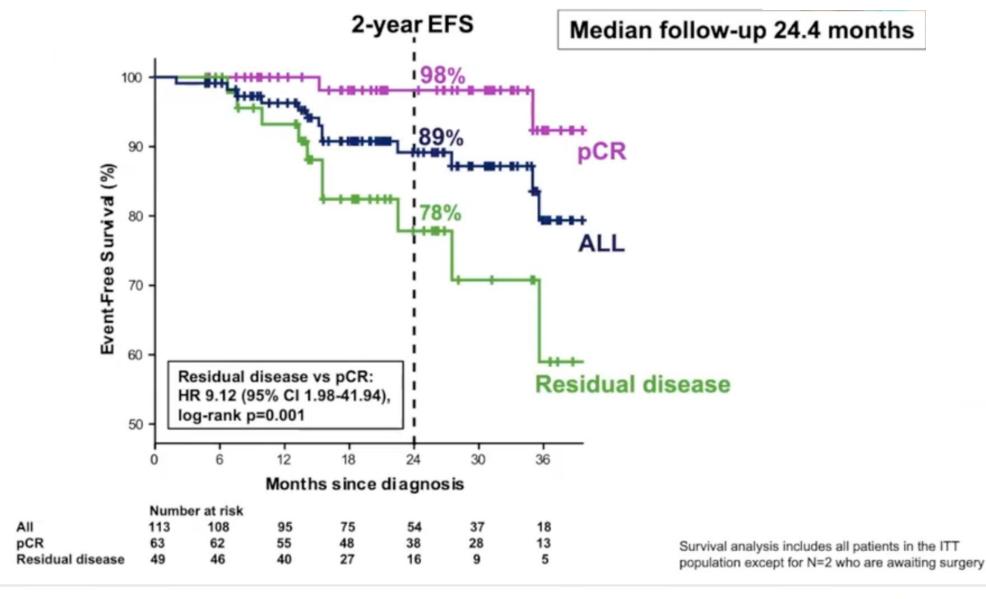








RESULTS: Event Free Survival







Adverse event (AEs)

Grade 3 or higher treatment- related AEs (TRAEs) were observed in 26.9% of patients

- Most common grade 3 or higher TRAEs were
 - Diarrhea 4.3%
 - Anemia 3.5%
 - Peripheral sensory neuropathy 2.6%

Treatment discontinuation due to AEs

- TRAEs led to discontinuation of any drug in 12% of patients
- discontinuation of pembrolizumab due to TRAE occurred in 7% of patients
- Discontinuation of chemotherapy due to TRAE occurred in 10% of patients

^c Peripheral sensory neuropathy was mainly grade 1 (26.9%), with 10.4% and 2.6% of patients experiencing grade 2 and 3 peripheral neuropathy, respectively (Grade 4=0%).







a Treatment-related AEs that occurred in at least 10% of patients are reported.

^b Grade 1=40.0%, Grade 2=18.3%, Grade 3=4.3%, Grade 4=0%.

Immune-Mediated Aes (iAEs)

Treatment-related iAEs were observed in 27.0% of patients.

- 4.3% experienced grade 3 or higher iAE.
 - Most common grade 3 or higher iAE was colitis (1.7%)
 - No cases of hypophysitis or adrenal insufficiency were noted

Treatment-related iAE	All grades (N=115)	Grade 1-2	Grade 3-4ª	
Any iAE	31 (27.0%)	26 (22.6%)	5 (4.3%)	
Rash	21 (18.3%)	21 (18.3%)	0 (0%)	
Hypothyroidism	4 (3.5%)	4 (3.5%)	0 (0%)	
Colitis	2 (1.7%)	0 (0%)	2 (1.7%)	
Myocardial infarctiona,b	1 (0.9%)	0 (0%)	1 (0.9%)	
Inflammatory dermatitis	1 (0.9%)	0 (0%)	1 (0.9%)	
Autoimmune disorder	1 (0.9%)	0 (0%)	1 (0.9%)	
Hyperthyroidism	1 (0.9%)	1 (0.9%)	0 (0%)	
Thyroiditis	1 (0.9%)	1 (0.9%)	0 (0%)	
Cranial nerve palsy	1 (0.9%)	1 (0.9%)	0 (0%)	
Focal meningomyelitis	1 (0.9%)	1 (0.9%)	0 (0%)	

a N=1 grade 5 event.

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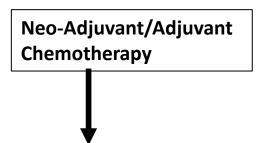




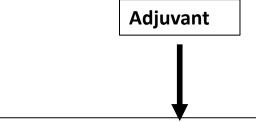
b Myocardial infarction requiring percutaneous coronary intervention with diagnosis of coronary artery disease 2 weeks following first cycle of study treatment. Following this event, subject was removed from study treatment per treating provider and started on alternative chemotherapy. Patient suffered another myocardial infarction 3 weeks after stopping study treatment, leading to death.

c GAD65-positive autoimmune encephalitis.

Summary Current Therapy Sequence



- AC-paclitaxel + Carboplatin + Pembrolizumab (T ≥ 2cm and/or N+)
- Taxotere Cytoxan x 4/6 –(T ≤ 2cm)
- AC-paclitaxel --T ≤ 2cm
- AC-paclitaxel + Carboplatin-- pembrolizumab contraindicated
- Taxotere + carboplatin +/- pembrolizumab- when appropriate



- 1. pCR:
 - Pembrolizumab-- can exclude if intolerable or pt preference
- 2. Non-pCR
 - Pembrolizumab
 - Pembrolizumab + Capecitabine-- Especially if RCB II/III
 - Pembrolizumab + Olaparib—If gBRCA positive
 - Capecitabine— if not pembrolizumab candidate
 - Olaparib—if gBRCA and not pembrolizumab candidate

Study- Pembrolizumab 200mg q3WK + Olaparib 300MG bid (N)	Toxicities (%)
Keynote 365 cohort A –mCRPC (84) ¹	 Common-all grades Nausea (33) Anemia (31) Grade >=3-TRAEs (35) Grade 5 - (2)
KeyLYNK 007- Advance solid tumors (168) ²	 Common- all grades Nausea (39) Anemia (30) Fatigue (16) Grade 3-4 (36)
Phase II Niraparib and Pembrolizumab mTNBC (55) ³	 Grade All Nausea (55) Fatigue (44) Anemia 35) Thrombocytopenia (25) Grade 3 AE's (58)- Fatigue, Anemia, Thrombocytopenia

StudyPembrolizumab 200mg q3WK + Xeloda 1000mg/m2 bid (N)	Toxicities (%)
Phase II mBC (30) ⁴	 Common-all grades occurring in >= 50% pts Hyperglycemia (87) Elevate ALK (67) Amenia (60) Fatigue (57) Lymphopenia (53) Elevated AST (53) Nausea (53) Diarrhea (50) Grade >3 in >= 10% Lymphopenia (20) Hand Foot (13) Elevated ALK (10) Anemia (10)

Metastatic

KEYNOTE-355 Study Design (NCT02819518)

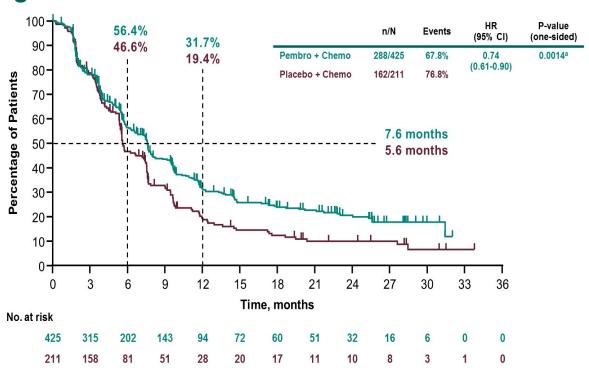
Key Eligibility Criteria Age ≥18 years · Central determination of TNBC and Pembrolizumabb + Chemotherapyc PD-L1 expression^a Previously untreated locally recurrent inoperable or metastatic TNBC **Progressive** R • De novo metastasis or completion of disease^e/cessation 2:1 treatment with curative intent ≥6 months of study therapy prior to first disease recurrence · ECOG performance status 0 or 1 • Life expectancy ≥12 weeks from Placebod + Chemotherapyc randomization Adequate organ function • No systemic steroids **Stratification Factors:** No active CNS metastases • Chemotherapy on study (taxane or gemcitabine-carboplatin) · No active autoimmune disease PD-L1 tumor expression (CPS ≥1 or CPS <1)^f 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 tumor 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. ^dNormal saline. ^eTreatment may be continued until confirmation of progressive disease. ^fPD-L1 assessed at a central laboratory using the PD-L1 IHC 22C3 pharmDx assay and measured using the combined positive score (CPS; number of PD-L1–positive tumor cells, lymphocytes, and macrophages divided by total number of viable tumor cells x 100).

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Progression Free Survival by PD-L1 expression

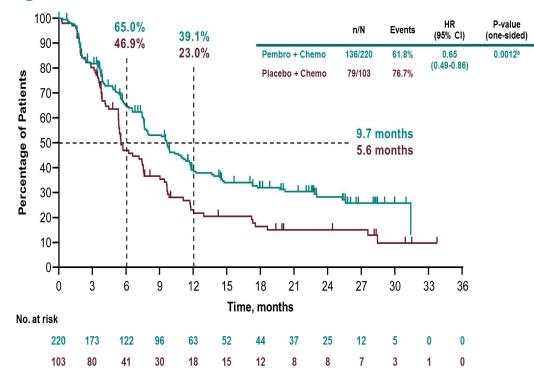
Progression-Free Survival: PD-L1 CPS ≥1



^aPrespecified *P* value boundary of 0.00111 not met.

Hazard ratio (CI) analyzed based on a Cox regression model with treatment as a covariate stratified by the randomization stratification factors. Data cutoff December 11, 2019.

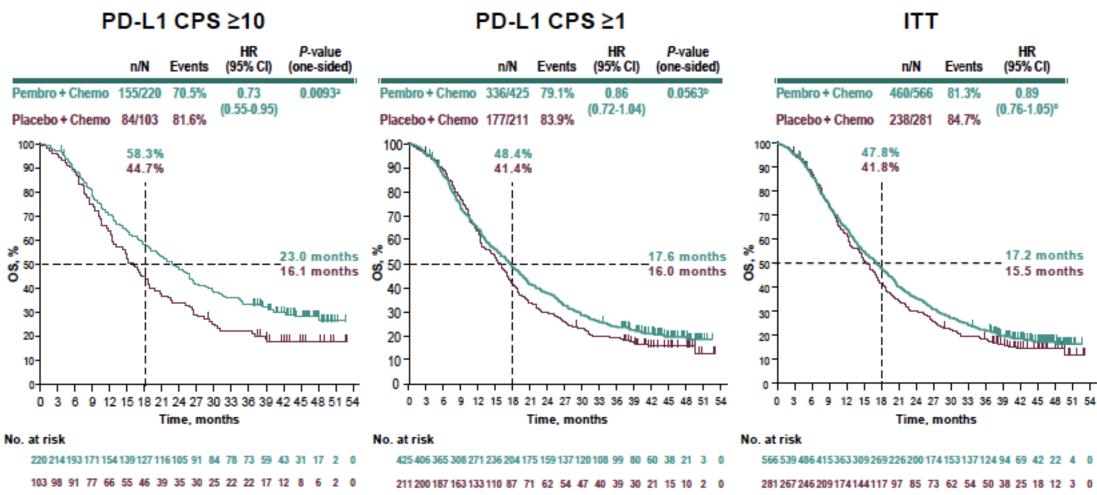
Progression-Free Survival: PD-L1 CPS ≥10



^aPrespecified P value boundary of 0.00411 met

Hazard ratio (CI) analyzed based on a Cox regression model with treatment as a covariate stratified by the randomization stratification factors. Data cutoff December 11, 2019.

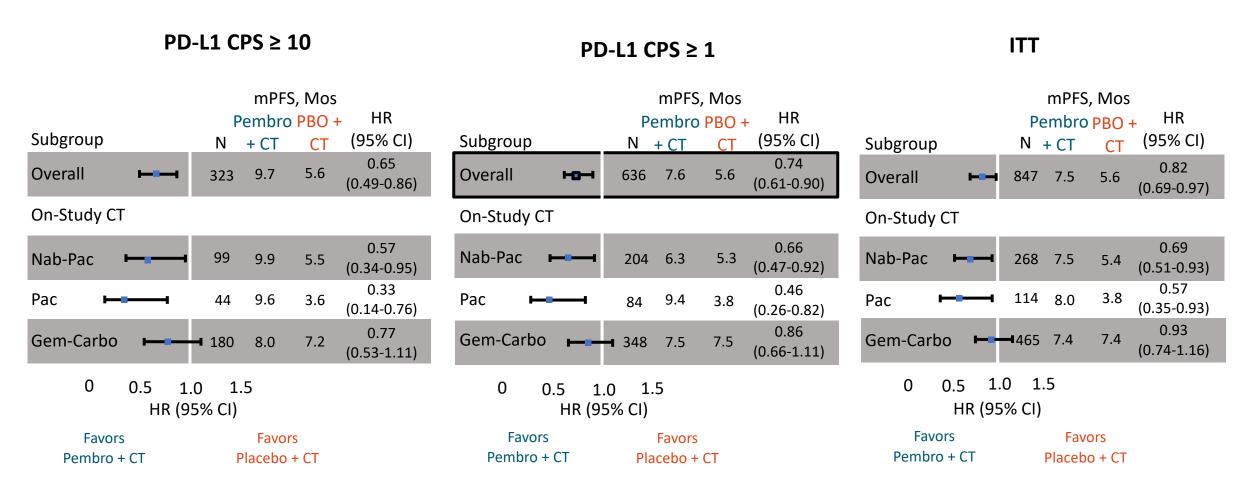
Overall Survival at Final Analysis



[&]quot;Prespecified P-value boundary of 0.0113 met. Prespecified P-value boundary of 0.0172 not met. Statistical significance not tested due to the prespecified hierarchical testing strategy. 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.

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KEYNOTE-355: PFS by Chemotherapy Regimen Across Subgroups



SACITUZMAB GOVITECAN (SG)

- Trop-2, a transmembrane calcium signal transducer linked to tumor progression and poor prognosis, is highly expressed in approximately 80% of breast cancers regardless of subtype^{6,7}
- SG is approved for patients with mTNBC with ≥2 prior therapies
 (≥1 in the metastatic setting)^{8,9}
- In the IMMU-132-01 phase 1/2 study, SG showed encouraging clinical activity in patients with previously treated metastatic HR+/HER2- breast cancer (N=54)¹⁰
 - ORR by investigator assessment: 31.5% (prior CDK4/6i use subgroup, 25%)
 - Median PFS by investigator assessment: 5.5 months (95% CI, 3.6-7.6)
 - Median OS: 12 months (95% CI, 9.0-18.2)
 - A manageable safety profile consistent with that in other studies of SG¹¹

Linker for SN-38

- pH-sensitive, hydrolyzable linker for SN-38 release in targeted tumor cells and tumor microenvironment, allowing bystander effect
- High drug-to-antibody ratio (7.6:1)

Humanized
anti-Trop-2 antibody

• Directed toward Trop-2, an epithelial antigen expressed on many solid cancers

SN-38 payload

• SN-38 more potent than parent compound, irinotecan (topoisomerase I inhibitor)

• SN-38 chosen for its

moderate cytotoxicity (with

range), permitting delivery in high quantity to the tumor

IC50 in the nanomolar

Internalization and enzymatic cleavage by tumor cell not required for SN-38 liberation from antibody

ADC, antibody-drug conjugate; CDK4/6i, cyclin-dependent kinase 4/6 inhibitor; HER2-, human epidermal growth factor receptor 2-negative; HR+, hormonal receptor-positive; ORR, objective response rate; mTNBC, metastatic triple-negative breast cancer; OS, overall survival, PFS, progression-free survival.

1. Goldenberg DM, et al. Expert Opin Biol Ther. 2020;20:871-885. 2. Nagayama A, et al. Ther Adv Med Oncol. 2020;12:1758835920915980.3. Goldenberg DM, et al. Oncotarget. 2015;6:22496-224512. 4. Cardillo TM, et al. Bioconjugate Chem. 2015;26:919-931. 5. Govindan SV, et al. Mol Cancer Ther. 2013;12:968-978. 6. Ambrogi F, et al. PLoS One. 2014;9:e96993. 7. Trerotola M, et al. Oncogene. 2013;32(2):222-233. 8. TRODELVYTM (sacituzumab govitecan-hziy). Prescribing Information. Gilead Sciences, Inc.; April 2021. 9. European Medicines Agency:Trodelvy, INN-sacituzumab govitecan, https://www.ema.europa.eu/en/documents/product-information/trodelvy-epar-product-information_en.pdf, March 2022. 10. Kalinsky K. et al. Ann Oncol. 2020;31:1709-1718. 11. Bardia A. et al. N Engl J Med. 2021;384:1529-1541.

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

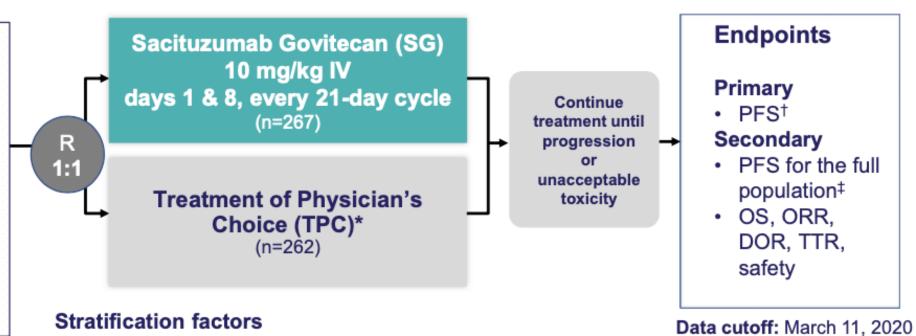
Metastatic TNBC (per ASCO/CAP)

≥2 chemotherapies for advanced disease

[no upper limit; 1 of the required prior regimens could be progression occurred within a 12-month period after completion of (neo)adjuvant therapy)]

N = 529

NCT02574455



- Number of prior chemotherapies (2-3 vs >3)
- Geographic region (North America vs Europe)
- Presence/absence of known brain metastases (yes/no)

ASCENT was halted early due to compelling evidence of efficacy per unanimous DSMC recommendation.

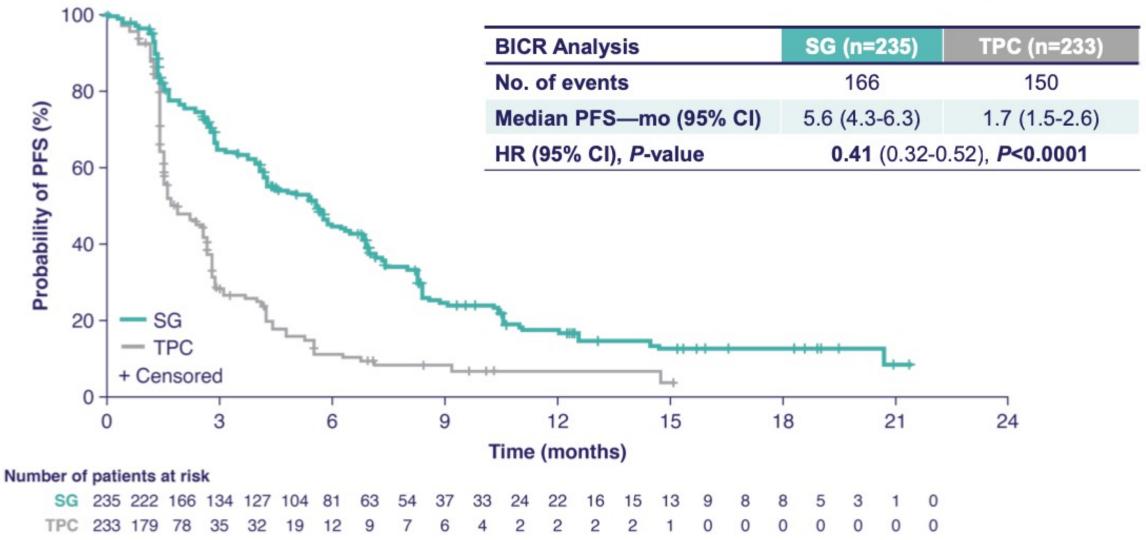
Here, we report the primary results from ASCENT, including PFS and OS.

TPC arm (n)= eribulin (139), vinorelbine (52), gemcitabine (38), capecitabine (33)



Progression Free Survival (BICR Analysis)

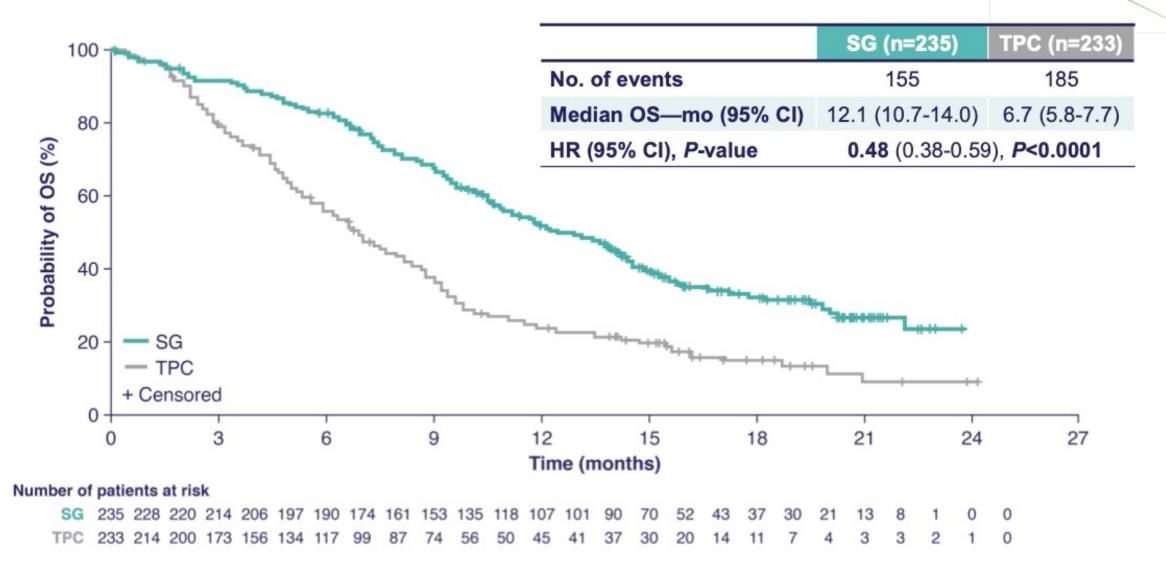






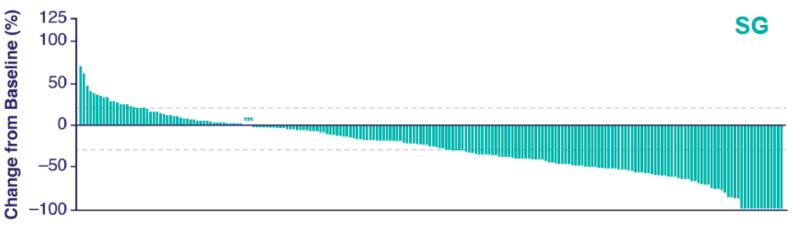
Overall Survival

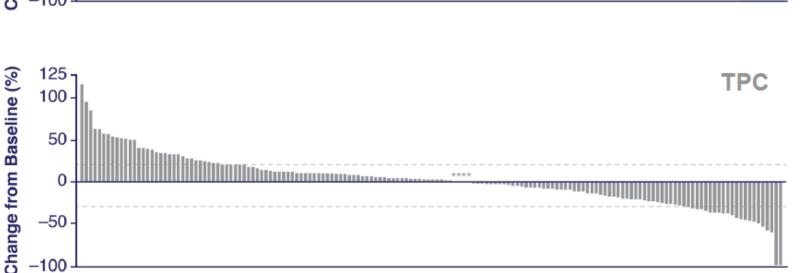




Overall Response and Best Percent Change From Baseline in Tumor Size







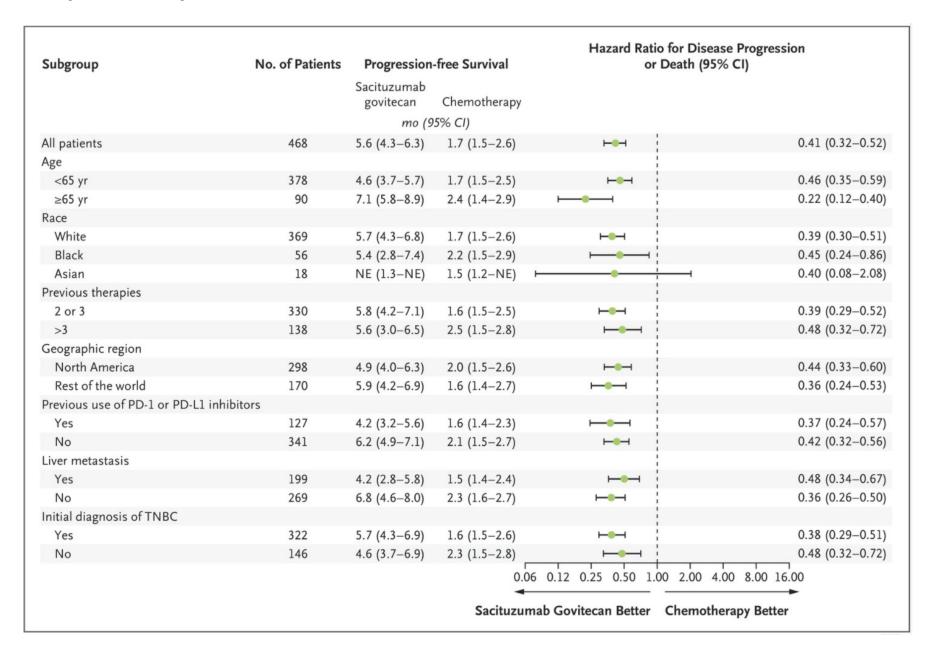
	SG (n=235)	TPC (n=233)				
ORR—no. (%)	82 (35)	11 (5)				
<i>P</i> -value	<0.0001					
CR	10 (4)	2 (1)				
PR	72 (31)	9 (4)				
CBR—no. (%)	105 (45)	20 (9)				
P-value	<0.0001					
Median DOR —mo (95%CI)	6.3 (5.5 - 9.0)	3.6 (2.8-NE)				
<i>P</i> -value	0.057					

Assessed by independent central review in brain metastases-negative population.



^{*}Denotes patients who had a 0% change from baseline in tumor size.

Subgroup Analysis



TRAEs (All Grade, >20%; Grade ¾, >5% of Patients)



		SG (n=258)			TPC (n=224)		
	TRAE*	All grade %	Grade 3, %	Grade 4, %	All grade, %	Grade 3, %	Grade 4, %
	Neutropenia [†]	63	46	17	43	27	13
Hematologic	Anemia [‡]	34	8	0	24	5	0
Hematologic	Leukopenia§	16	10	1	11	5	1
	Febrile neutropenia	6	5	1	2	2	<1
	Diarrhea	59	10	0	12	<1	0
Gastrointestinal	Nausea	57	2	<1	26	<1	0
	Vomiting	29	1	<1	10	<1	0
Other	Fatigue	45	3	0	30	5	0
	Alopecia	46	0	0	16	0	0

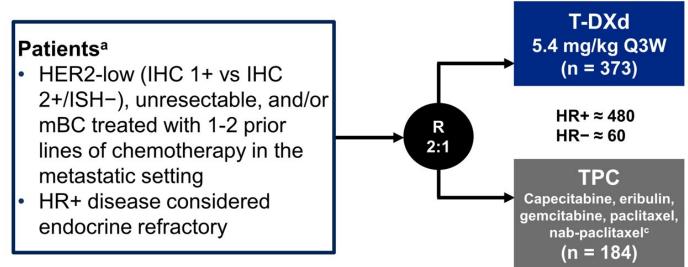
- Key grade ≥3 TRAEs (SG vs TPC): neutropenia (51% vs 33%), diarrhea (10% vs <1%), leukopenia (10% vs 5%), anemia (8% vs 5%), and febrile neutropenia (6% vs 2%)
 - G-CSF usage was 49% in the SG arm vs 23% in the TPC arm
 - Dose reductions due to TRAEs were similar (22% SG vs 26% TPC)
- No severe cardiovascular toxicity, no grade >2 neuropathy or grade >3 interstitial lung disease with SG
- No treatment-related deaths with SG; 1 treatment-related death (neutropenic sepsis) with TPC
- AEs leading to treatment discontinuation were low for SG and TPC: 4.7% and 5.4%
- Patients received a median of 7 treatment cycles of SG, with a median treatment duration of 4.4 months (range, 0.03-22.9)

*Patients may report more than 1 event per preferred term. AEs were classified according to the MedDRA systems of preferred terms and system organ class and according to severity by NCI CTCAE v4.03. †Combined preferred terms of 'neutropenia' and 'decreased neutrophil count'. ‡Combined preferred terms of 'anemia' and 'decreased hemoglobin'. §Combined preferred terms of 'leukopenia' and 'decreased white blood cell count'.



DESTINY-BREAST04: FIRST RANDOMIZED PHASE 3 STUDY OF T-DXd FOR HER2-LOW mBC

An open-label, multicenter study (NCT03734029)



Primary endpoint

PFS by BICR (HR+)

Key secondary endpoints^b

- PFS by BICR (all patients)
- OS (HR+ and all patients)

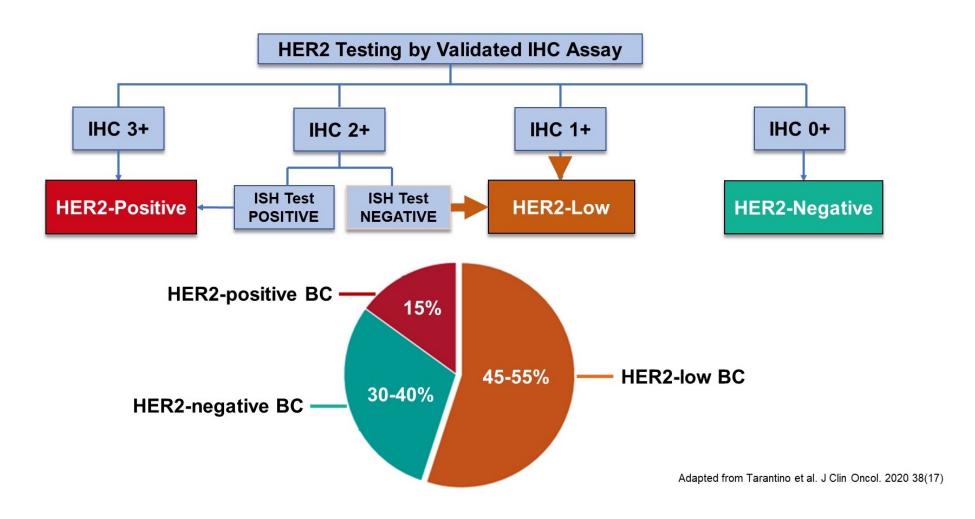
Stratification factors

- Centrally assessed HER2 status^d (IHC 1+ vs IHC 2+/ISH-)
- · 1 versus 2 prior lines of chemotherapy
- HR+ (with vs without prior treatment with CDK4/6 inhibitor) versus HR-

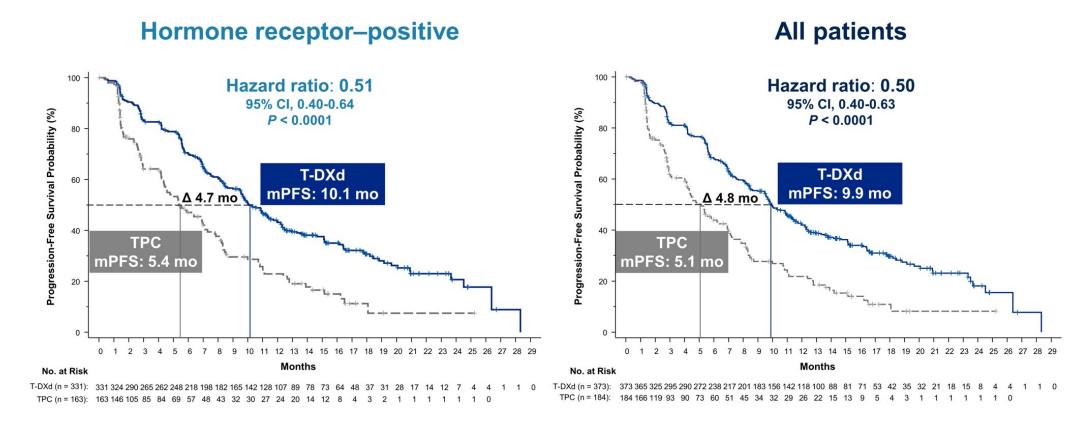
ASCO/CAP, American Society of Clinical Oncology/College of American Pathologists; BICR, blinded independent central review; CDK, cyclin-dependent kinase; DOR, duration of response; HER2, human epidermal growth factor receptor 2; HR, hormone receptor; IHC, immunohistochemistry; ISH, in situ hybridization; 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.

alf patients had HR+ mBC, prior endocrine therapy was required. Other secondary endpoints included ORR (BICR and investigator), DOR (BICR), PFS (investigator), and safety; efficacy in the HR- cohort was an exploratory endpoint. The was administered accordingly to the label. Performed on adequate archived or recent tumor biopsy per ASCO/CAP guidelines using the VENTANA HER2/neu (4B5) investigational use only [IUO] Assay system.

PROPOSAL OF AN ALGORITHM FOR DEFINING HER2-LOW BC



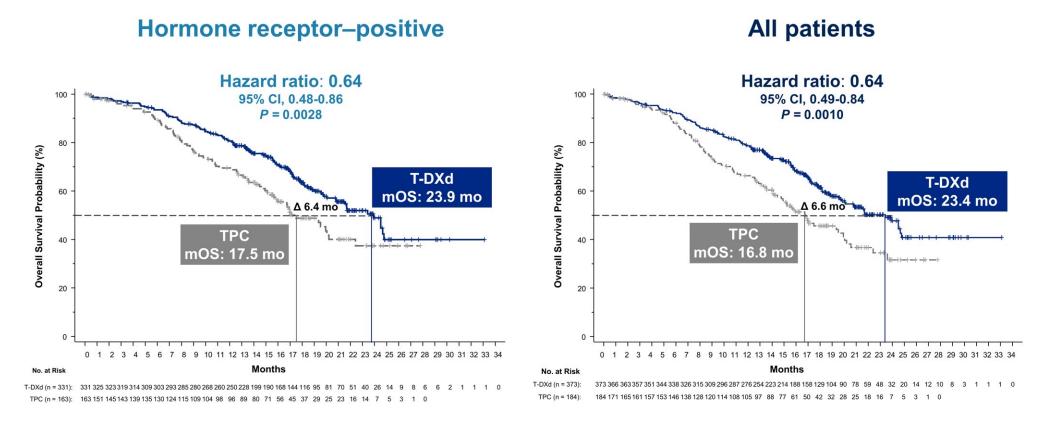
PFS IN HR+ AND ALL PATIENTS



PFS by blinded independent central review.

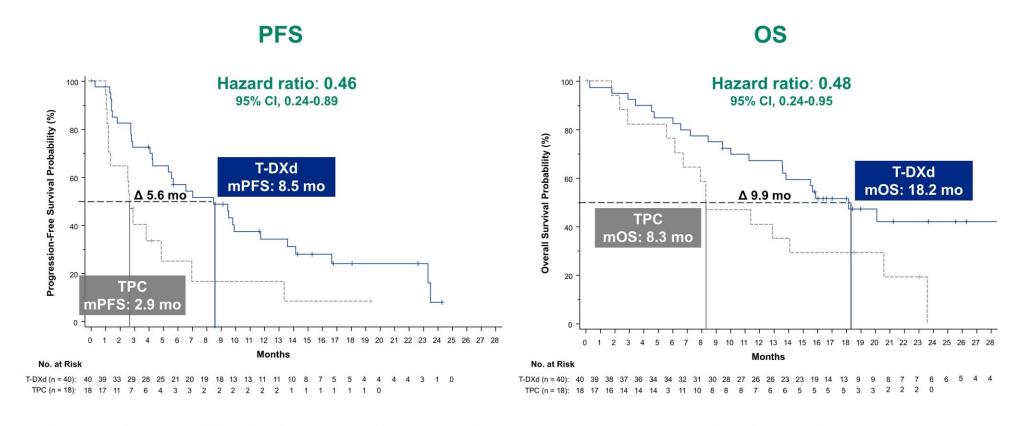
HR, hormone receptor; mPFS, median progression-free survival; PFS, progression-free survival; T-DXd, trastuzumab deruxtecan; TPC, treatment of physician's choice.

OS IN HR+ AND ALL PATIENTS



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

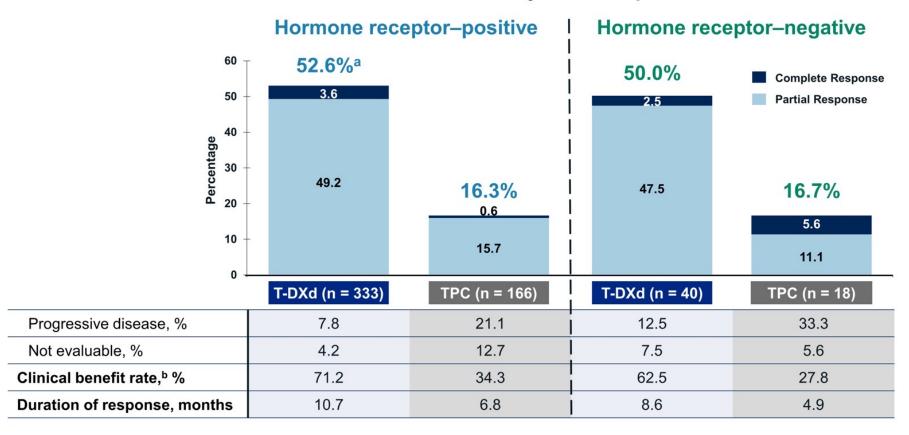
PFS AND OS IN HR- (EXPLORATORY ENDPOINTS)



HR, hormone receptor; mOS, median overall survival; mPFS, median progression-free survival; OS, overall survival; PFS, progression-free survival; T-DXd, trastuzumab deruxtecan; TPC, treatment of physician's choice. For efficacy in the hormone receptor–negative cohort, hormone receptor status is based on data from the electronic data capture corrected for misstratification.

CONFIRMED ORR

Confirmed Objective Response Rate



Hormone receptor status is based on data from the electronic data capture corrected for misstratification.

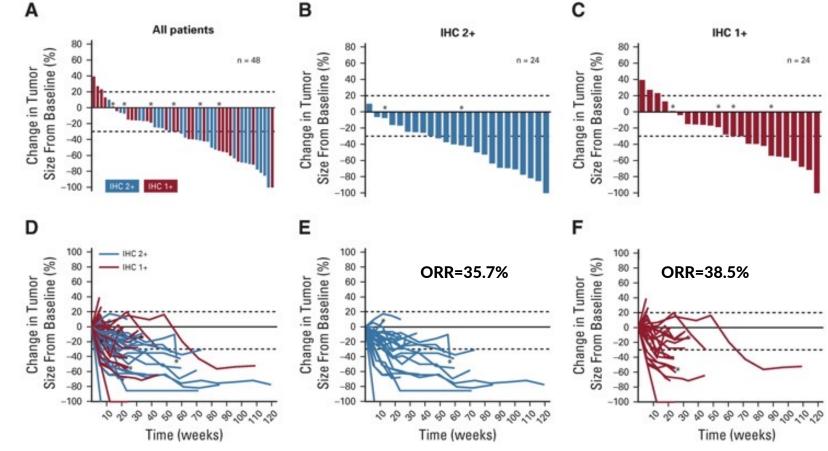
ORR, objective response rate; T-DXd, trastuzumab deruxtecan; TPC, treatment of physician's choice.

aThe response of 1 patient was not confirmed. bClinical benefit rate is defined as the sum of complete response rate, partial response rate, and more than 6 months' stable disease rate, based on blinded independent central review.

ANTITUMOR ACTIVITY AND SAFETY OF TRASTUZUMAB DERUXTECAN IN PATIENTS WITH HER2-LOW-EXPRESSING ADVANCED BREAST CANCER: RESULTS FROM A PHASE IB STUDY



FIG 1. Best percent change in tumor size and percent change in tumor size, respectively, over time for individual patients in (A, D) the entire human epidermal growth factor receptor 2 (HER2)-low population, (B, E) the HER2 immunihistochemistry (IHC) 2+ group, and (C, F) the HER2 IHC 1+ group. Data cutoff was February 1, 2019. Dotted lines denote 30% decrease and 20% increase in tumor size cutoffs for partial response and progressive disease, respectively. Tumor responses shown are per independent central review. The IHC status subgroups represent the IHC status as determined by local assessment. (*) HR negative. HR, hormone receptor.



ADVERSE EVENTS OF SPECIAL INTEREST

Adjudicated as drug-related ILD/pneumonitis^a

n (%)	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Any Grade
T-DXd (n = 371)	13 (3.5)	24 (6.5)	5 (1.3)	0	3 (0.8)	45 (12.1)
TPC (n = 172)	1 (0.6)	0	0	0	0	1 (0.6)

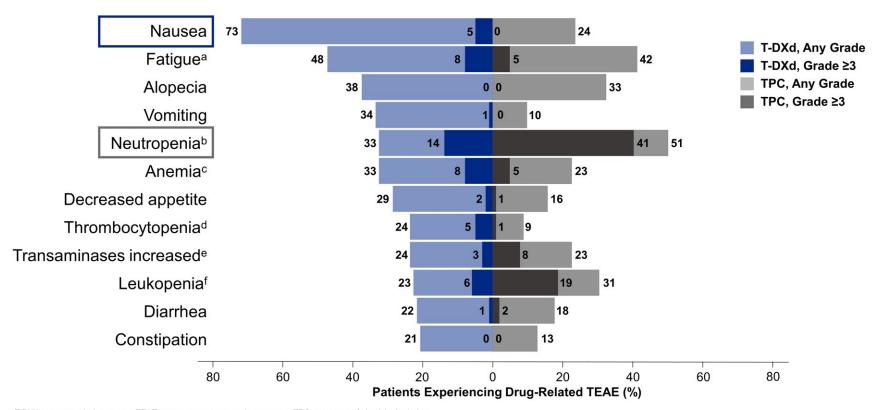
Left ventricular dysfunction^b

n (%)	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Any Grade			
Ejection fraction of	Ejection fraction decreased								
T-DXd (n = 371)	1 (0.3)	14 (3.8)	1 (0.3)	0	0	16 (4.3)			
TPC (n = 172)	0	0	0	0	0	0			
Cardiac failure ^c									
T-DXd (n = 371)	0	1 (0.3)	1 (0.3)	0	0	2 (0.5)			
TPC (n = 172)	0	0	0	0	0	0			

ILD, interstitial lung disease; T-DXd, trastuzumab deruxtecan; TPC, treatment of physician's choice.

aMedian time to onset of ILD/pneumonitis for patients with T-DXd was 129.0 days (range, 26-710). Left ventricular dysfunction was reported in a total of 17 (4.6%) patients in the T-DXd arm. One patient initially experienced ejection fraction decrease, then later developed cardiac failure. Both patients with cardiac failure were reported to have recovered.

DRUG-RELATED TEAEs IN ≥20% OF PATIENTS

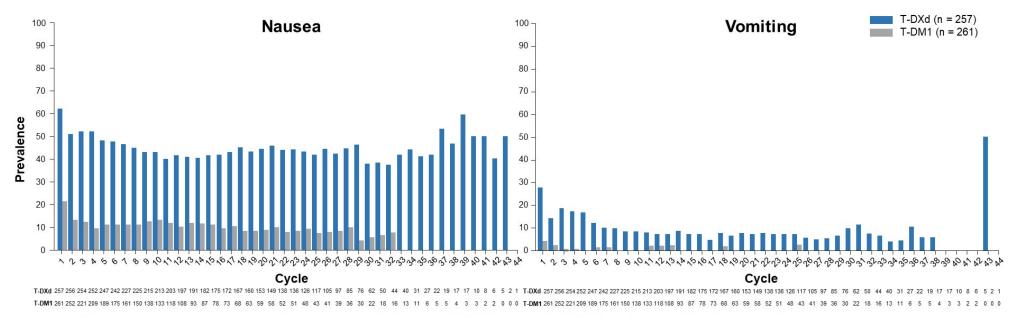


T-DXd, trastuzumab deruxtecan; TEAE, treatment-emergent adverse event; TPC, treatment of physician's choice.

aThis category includes the preferred terms fatigue, asthenia, and malaise. This category includes the preferred terms neutrophil count decreased and neutropenia. This category includes the preferred terms hemoglobin decreased, red-cell count

"This category includes the preferred terms ratinggive, astrema, and matasias." This category includes the preferred terms remonground decreased and neutrophilic and neutrophilic and neutrophilic and the preferred terms remonground decreased. This category includes the preferred terms transaminases increased, aspartate aminotransferase increased, apartate aminotransferase increased, gamma-glutamyltransferase increased, liver function test abnormal, hepatic function abnormal. This category includes the preferred terms white-cell count decreased and leukopenia.

PREVALENCE OF NAUSEA AND VOMITING: DB03



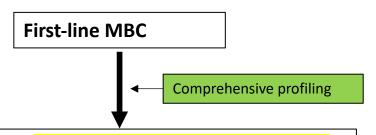
- The prevalence of nausea and vomiting was higher with T-DXd than with T-DM1 and was relatively consistent over time
- Majority of events with T-DXd were grade 1 and 2 and resolved, and one patient discontinued study drug due to vomiting
 - Antiemetic prophylaxis recommendations were updated during the study based on emerging data supporting the moderately emetogenic potential of T-DXd^{1,2}

T-DM1, trastuzumab emtansine: T-DXd, trastuzumab deruxtecan.

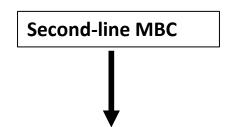
Prevalence was defined as the number of patients who had the event starting at a particular cycle or still ongoing at that cycle divided by the number of patients on treatment at that cycle.

^{1.} Hesketh PJ et al. J Clin Oncol. 2020;38(24):2782-2797. 2. Modi S et al. N Engl J Med. 2020;382:610-621.

Summary Current Therapy mTNBC



- Pembrolizumab + chemo if PDL1+
- Olaparib/Talazoparib if BRCA + and PDL1 –
- Chemotherapy (taxane, xeloda, gem/carbo) if BRCA/PDL1-
- Clinical trial
- Sacituzumab- pt progressed within 6 months of [AC-TC]P



- Olaparib/Talazoparib if BRCA+ and PDL1 (+ or -)
- Sacituzumab
- Chemotherapy (taxane, xeloda, gem/carbo)
- Clinical trial

Third-line and beyond MBC

- Sacituzumab (if not in 2nd line)
- Chemotherapy
- TDxD- if prior sacituzumab
- Clinical trial
- NTRK Fusion: larotrectinib or entrectinib
- MSI-H/dMMR: pembrolizumab or dostarlimab-gxly
- *TMB-H:* pembrolizumab
- Somatic gBRCA 1/2 or PAPLB-2 Mutation olaparib or talazoparib
- Comfort measures

Consider repeat molecular profile through liquid ctDNA on progression Or repeat biopsy for HER2 expression testing in pt who are HER2 0



• The West Cancer Center and Research Institute

Thank You