

Sacituzumab Govitecan Plus Pembrolizumab vs Chemotherapy Plus Pembrolizumab in Patients With Previously Untreated, PD-L1 Positive, Advanced or Metastatic Triple-Negative Breast Cancer: Primary Results From the Randomized, Phase 3 ASCENT-04/KEYNOTE-D19 Study

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Results, cont'd

No. of Patients Still at Risk (Events

Data cutoff date: March 3, 2025

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^aTwo-sided P-value from stratified log-rank test

Progression-Free Survival by BICR¹

Conclusions¹

- ASCENT-04/KEYNOTE-D19 is the first randomized, phase 3 study to evaluate the efficacy and safety of an ADC/checkpoint inhibitor combination for first-line treatment of patients with PD-L1+a mTNBC
- SG + pembro led to a statistically significant and clinically meaningful improvement in PFS vs chemo + pembro (median 11.2 vs 7.8 months; HR, 0.65; 95% CI, 0.51-0.84; *P* < 0.001)
- PFS benefit was observed across prespecified subgroups
- OS data are immature, but an early trend in improvement was observed
- ORR was higher (including an increased complete response rate), and responses were more durable with SG + pembro vs chemo + pembro
- The safety profile of SG + pembro was consistent with the established profiles of either agent; no additive toxicity was observed

Results from ASCENT-04/KEYNOTE-D19 support the use of SG + pembro as a potential new standard of care for patients with previously untreated, PD-L1+, locally advanced unresectable or metastatic TNBC

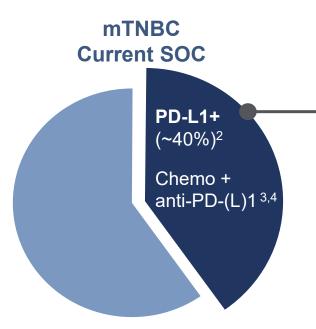
Key Takeaways: ASCENT-04/KEYNOTE-D19 Phase 3 Study¹

- There is an unmet need for better treatments in the first-line setting for patients with PD-L1+ mTNBC
- SG + pembro led to a statistically significant and clinically meaningful improvement in PFS vs chemo + pembro
- These results support SG + pembro as a potential new first-line standard of care

ADC, antibody drug conjugate; chemo, chemotherapy; DOR, duration of response; HR, hazard ratio; mTNBC; metastatic triple-negative breast cancer; ORR, objective response rate; OS, overall survival; PD-L1 programmed cell death ligand 1; pembro, pembrolizumab; PFS, progression-free survival; SG, sacituzumab govitecan; TNBC, triple-negative breast cancer. Tolaney S, et al. Sacituzumab Govitecan Plus Pembrolizumab vs Chemotherapy Plus Pembrolizumab in Patients With Previously Untreated, PD-L1 Positive, Advanced or Metastatic Triple-Negative Breast Cancer Primary Results From the Randomized, Phase 3 ASCENT-04/KEYNOTE-D19 Study. Presented at ASCO 2025.

Introduction

Unmet Need in Previously Untreated, PD-L1+, Locally Advanced Unresectable or Metastatic TNBC¹



Remaining unmet need

Median PFS observed in prior studies of chemotherapy in combination with immune checkpoint inhibitors was 7.5-9.7 months^{2, 5}; most patients still experience disease progression⁶⁻⁸ About half of the patients treated for 1L mTNBC do not receive 2L treatment⁶

Rationale for this study

SG is the only Trop-2-directed ADC with demonstrated OS benefit in multiple phase 3 studies; it is approved for 2L+ mTNBC and pre-treated HR+/HER2mBC in multiple countries^{9,10}

Early studies have observed improved anti-tumor effects when immunotherapy is combined with ADCs¹¹

We present the primary results from the global, randomized, phase 3 ASCENT-04/KEYNOTE-D19 study of SG + pembro vs chemo + pembro in previously untreated, PD-L1+, locally advanced unresectable or metastatic TNBC

1L, first line; 2L(+), second line (and further); ADC, antibody drug conjugate; chemo, chemotherapy; HER2-, human epidermal growth factor receptor 2 negative; HR+, hormone receptor positive; mBC, metastatic breast cancer; mTNBC, metastatic triple-negative breast cancer; PFS, progression-free survival; OS, overall survival; PD-L1, programmed cell death ligand 1; pembro, pembrolizumab; SG, sacituzumab govitecan SOC, 1. Tolaney S, et al. Sacituzumab Govitecan Plus Pembrolizumab vs Chemotherapy Plus Pembrolizumab in Patients With Previously Untreated, PD-L1 Positive, Advanced or Metastatic Triple-Negative Breast Cancer: Primary Results From the Randomized, Phase 3 ASCENT-04/KEYNOTE-D19 Study. Presented at ASCO 2025. 2. Cortes J, et al. N Engl J Med. 2022;387(3):217-226. 3. Gennari A, et al. Ann Oncol. 2021;32(12):1475-1495. 4. Referenced with permission from the NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines®) for Breast Cancer V4.2025. National Comprehensive Cancer Network, Inc. 2025. All rights reserved. Accessed April 22, 2025. To view the most recent and complete version of the guideline, go online to NCCN.org. NCCN makes no warranties of any kind whatsoever regarding their content, use or application and disclaims any responsibility for their application or use in any way. 5. Schmid P, et al. N Engl J Med. 2018;379(22):2108-2121. 6. Punie K, et al. Oncologist. 2025;30(3) ePublished. 7. Skinner KE, et al. Future Oncol. 2021:18(8):931-941 8 Geurts V Kok M Curr Treat Ontions Oncol 2023:24(6):628-643, 9. TRODELVY® (sacituzumab govitecan-hziv) [prescribing information]. Foster City, CA: Gilead Sciences, Inc.; March 2025, 10.

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Methods ASCENT-04/KEYNOTE-D19 Study Design¹ Previously untreated, locally All treatment advanced unresectable, or metastatic TNBCa: PD-L1-positive (CPS ≥ 10 continued until **BICR-verified** by the 22C3 assay^b) ≥ 6 months since treatmen in curative setting (prior anti-PD-[L]1 use allowed) ORR, DOR by BICRe N = 44321-day cycles) n = 222 from completion of treatment in curative setting vs

Prior exposure to anti-PD-(L)1 (yes vs no)

were offered to cross-over to

receive 2L SG monotherapy

Statistical Analysis

recurrent > 12 months from completion of treatment in

- Enrollment was planned for ~440 eligible patients
- To control for overall type I error, a hierarchical testing procedure was implemented
- At primary analysis, PFS will be tested at 1-sided alpha of 2.5% — OS will be summarized descriptively at the time of primary PFS analysis; if PFS is positive, a nominal
- If PFS is significant at primary analysis, at the time of OS analysis, formal sequential testing of OS, ORR, and then TTD of physical functioning will be performed
- Data cutoff date for Primary PFS: March 3, 2025
- There were 249 observed PFS events by BICR — Median follow-up was 14.0 months (range, 0.1-28.6)
- At the data cutoff date, 95 patients (43%) in the SG + pembro group and 52 patients (23%) in the chemo + pembro group continued to receive study treatment

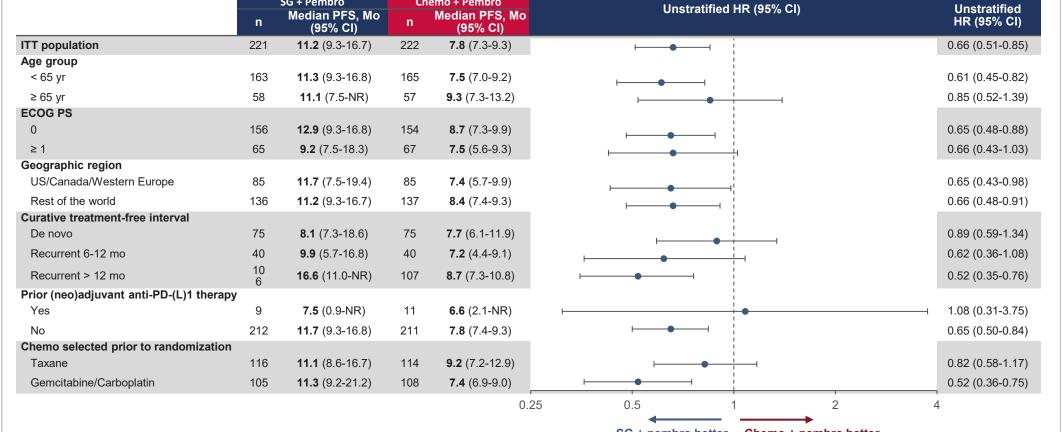
Results

Demographics and Baseline Characteristics¹

ITT Population	SG + Pembro (n = 221)	Chemo + Pembro (n = 222)	ITT Population	SG + Pembro (n = 221)	Chemo Pembi (n = 22
Female sex, n (%)	221 (100)	222 (100)	PD-L1 CPS ≥ 10, ^d n (%)	221 (100)	222 (10
Median age, (range) yr	54 (23-88)	55 (27-82)	Metastatic sites, n (%)		
≥ 65 yr, n (%)	58 (26)	57 (26)	Lymph node	159 (72)	154 (6
Race or ethnic group, ^a n (%)			Lung	111 (50)	95 (4:
White	139 (63)	118 (53)	Bone	61 (28)	45 (20
Asian	43 (19)	63 (28)	Liver	55 (25)	57 (26
Black	13 (6)	11 (5)	Brain	8 (4)	6 (3)
Other/not specified	26 (12)	30 (14)	Othere	81 (37)	71 (32
Geographic region, n (%)	Chemo selected prior to randomization, n (%)				
US/Canada/Western Europe	85 (38)	85 (38)	Taxane	116 (52)	114 (5
Rest of the world ^b	136 (62)	137 (62)	Gemcitabine/carboplatin	105 (48)	108 (4
ECOG PS at baseline, ^c n (%)			Prjor anti-PD-(L)1 therapy, ⁹	, ,	<u> </u>
0	156 (71)	154 (69)	n (%)	9 (4)	11 (5)
1	65 (29)	67 (30)			
Curative treatment-free interval, n (%)					
De novo	75 (34)	75 (34)			
Recurrent within 6-12 mo	40 (18)	40 (18)			
Recurrent > 12 mo	106 (48)	107 (48)			

JHC 22C3 assay (Dako, Agilent Technologies) at the time of enrollment. Other metastatic sites includes pleural effusion, skin, soft tissue, chest wall, and muscle factual chemo received was consisted. with what was selected prior to randomization: however, two patients were randomized but did not receive treatment. While 20 patients were included in the stratified subgroup of prior exposure to anti-PD-(L) therapy (yes) per the IRT system, only 6 patients received prior treatment with anti-PD-(L)1 agents per the clinical database. Chemo, chemotherapy; CPS, combined positive score; ECOG PS, Eastern Cooperative Oncology Group performance status; IHC, immunohistochemistry; IRT, interactive response technology; ITT, intent-totreat; PARPi, poly ADP-ribose polymerase inhibitor; PD-L1, programmed cell death ligand 1; pembro, pembrolizumab; SG, sacituzumab govitecan. Cancer: Primary Results From the Randomized, Phase 3 ASCENT-04/KEYNOTE-D19 Study. Presented at ASCO 2025.

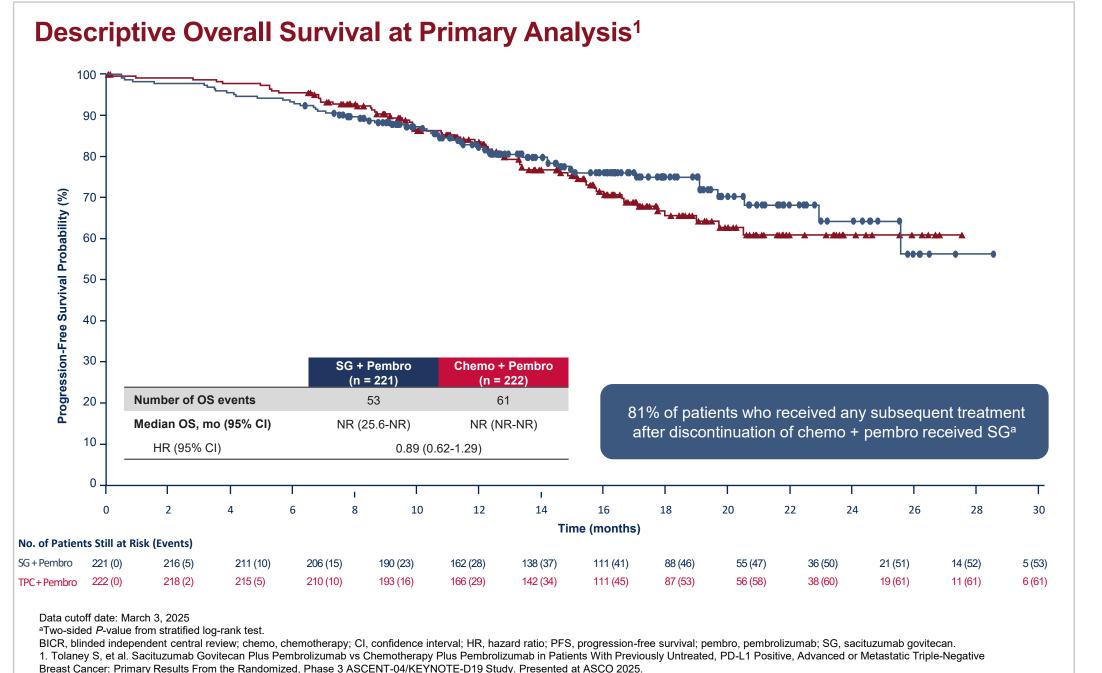
Subgroup Analysis of Progression-Free Survival by BICR¹



SG + pembro better Chemo + pembro better Data cutoff date: March 3, 2025 BICR, blinded independent central review; chemo, chemotherapy; ECOG PS, Eastern Cooperative Oncology Group performance status; HR, hazard ratio; mo, months; NR, not reached; PARPi, poly ADP-ribose polymerase inhibitor; PD-(L)1, programmed death (ligand) 1; pembro, pembrolizumab; PFS, progression-free survival; SG, sacituzumab govitecan. 1. Tolaney S, et al. Sacituzumab Govitecan Plus Pembrolizumab vs Chemotherapy Plus Pembrolizumab in Patients With Previously Untreated, PD-L1 Positive, Advanced or Metastatic Triple-Negative Breast Cancel Primary Results From the Randomized, Phase 3 ASCENT-04/KEYNOTE-D19 Study, Presented at ASCO 2025.

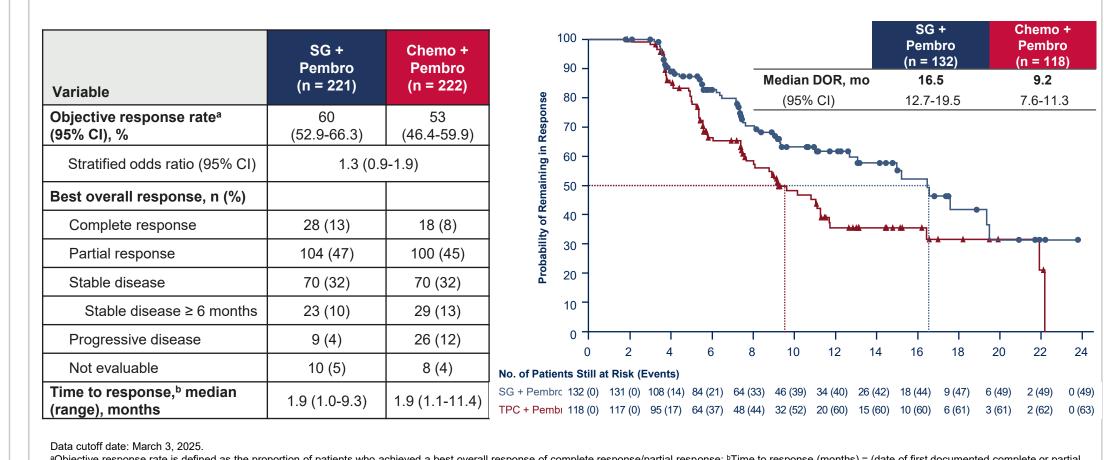
• PFS benefit was observed for SG + pembro vs chemo + pembro across pre-specified subgroups

BICR, blinded independent central review; chemo, chemotherapy; CI, confidence interval; HR, hazard ratio; PFS, progression-free survival; pembro, pembrolizumab; SG, sacituzumab govitecar . Tolaney S, et al. Sacituzumab Govitecan Plus Pembrolizumab vs Chemotherapy Plus Pembrolizumab in Patients With Previously Untreated, PD-L1 Positive, Advanced or Metastatic Triple-Negative Breast Cancer: Primary Results From the Randomized, Phase 3 ASCENT-04/KEYNOTE-D19 Study. Presented at ASCO 2025. SG + pembro demonstrated statistically significant and clinically meaningful improvement in PFS vs chemo + pembro by BICR analysis, with a 35% reduction in risk of disease progression or death • PFS by investigator assessment was consistent with the BICR analysis, demonstrating PFS benefit with SG + pembro vs chemo + pembro



 OS data were immature (maturity rate, 26%), however, a positive trend in improvement was observed for SG + pembro vs chemo + pembro

Tumor Response and Duration of Response by BICR¹



^aObjective response rate is defined as the proportion of patients who achieved a best overall response of complete response/partial response; ^bTime to response (months) = (date of first documented complete or partial response - date of randomization + 1)/30 4375 BICR, blinded independent central review; DOR, duration of response; mo, months; pembro, pembrolizumab; SG, sacituzumab govitecan. 1. Tolaney S, et al. Sacituzumab Govitecan Plus Pembrolizumab vs Chemotherapy Plus Pembrolizumab in Patients With Previously Untreated, PD-L1 Positive, Advanced or Metastatic Triple-Negative Breast Cancer: Primary Results From the Randomized, Phase 3 ASCENT-04/KEYNOTE-D19 Study, Presented at ASCO 2025.

 A substantially longer duration of response and a higher overall response rate (including an increased complete response rate) was observed for SG + pembro vs chemo + pembro

Exposure and Safety Summary¹

Number of PFS events

Median PFS, mo (95% CI)

6-month PFS rate, % (95% CI)

12-month PFS rate, % (95% CI)

Stratified HR (95% CI)

P-value^a

ITT population	SG + Pembro (n = 221) Chemo + Pembro (n = 222) n (%)		SG + Pembro (n = 221)	Chemo + Pembro (n = 220)			
Treatment component	SG	Pembro	Chemo	Pembro	Any TEAE	220 (> 99)	219 (> 99)
All treated patients, n	221	221	220	220	Grade ≥ 3 Treatment-emergent SAE Treatment-related	158 (71) 84 (38) 61 (28)	154 (70) 68 (31) 42 (19)
Median duration of	8.9	8.5	6.2 (0.0-	6.4	TEAEs leading to treatment discontinuation ^a TEAEs leading to dose interruption TEAEs leading to dose reduction ^b	26 (12) 171 (77) 78 (35)	68 (31) 162 (74) 96 (44)
treatment, mo (range)	(0.0-27.1)	(0.0-26.8)	26.3)	25.6)	TEAEs leading to dose reduction TEAEs leading to death ^c Treatment-related	7 (3)	6 (3) 1 (< 1)

Chemo + Pembro

(n = 222)

7.8 (7.3-9.3)

63 (56-69)

33 (26-40)

0.65 (0.51-0.84)

< 0.001

(n = 221)

11.2 (9.3-16.7)

72 (65-77)

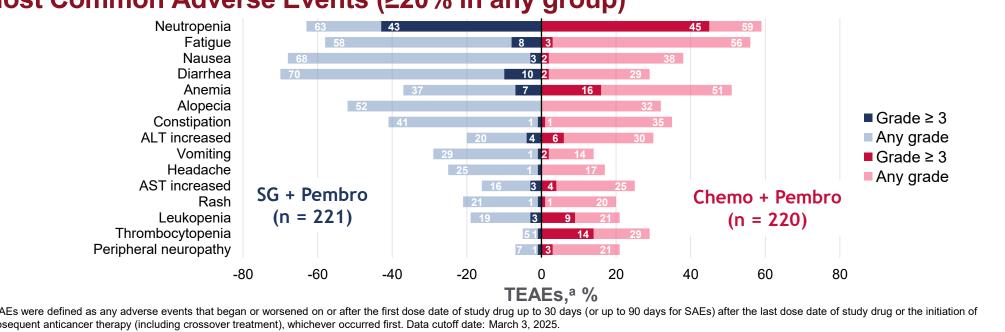
48 (41-56)

TEAEs were defined as any adverse events that began or worsened on or after the first dose date of study drug up to 30 days (or up to 90 days for SAEs) after the last dose date of study drug or the initiation of the initiation o ^aThe most common any-grade TEAEs that led to treatment discontinuation were pneumonitis (1%) for the SG + pembro group and neuropathy peripheral (5%), pneumonitis (3%), and thrombocytopenia (3%) for the chemo + pembro group. There was no dose reduction for pembrolizumab per the protocol. TEAEs leading to death were pneumonia, sepsis, neutropenic sepsis, pulmonary embolism, and suicide (1 each), as well as 2 deaths of unknown cause in the SG + pembro group, and cardiac arrest, large intestine perforation, pneumonia, sepsis, post-procedural complication, and death of unknown cause (1 each) in the chemo + pembro group Chemo, chemotherapy; pembro, pembrolizumab; SAE, serious adverse event; SG, sacituzumab govitecan; TEAE, treatment-emergent adverse event 1. Tolaney S, et al. Sacituzumab Govitecan Plus Pembrolizumab vs Chemotherapy Plus Pembrolizumab in Patients With Previously Untreated, PD-L1 Positive, Advanced or Metastatic Triple-Negative Breast Cancer

Despite longer duration of treatment with SG + pembro, rates of grade ≥ 3 AEs were similar for both groups. TEAEs leading to dose reduction or treatment discontinuation were lower with SG +

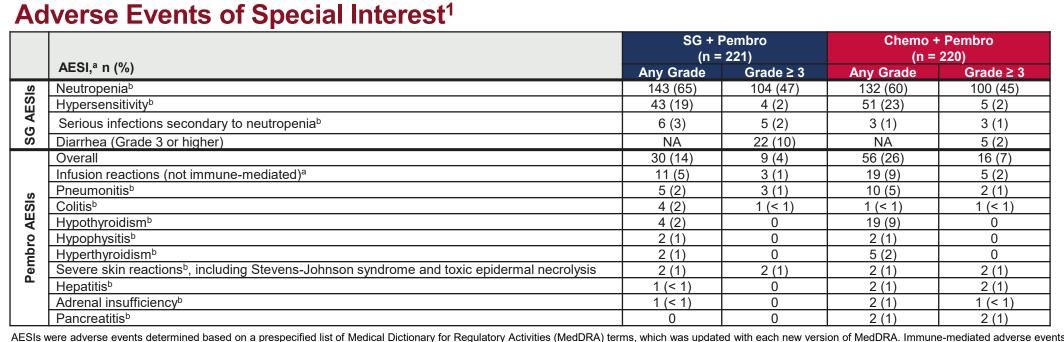


Primary Results From the Randomized, Phase 3 ASCENT-04/KEYNOTE-D19 Study. Presented at ASCO 2025.



TEAEs were defined as any adverse events that began or worsened on or after the first dose date of study drug up to 30 days (or up to 90 days for SAEs) after the last dose date of study drug or the initiation of subsequent anticancer therapy (including crossover treatment), whichever occurred first. Data cutoff date: March 3, 2025 aTEAEs were included if they occurred in ≥ 20% of patients in either arm. bCombined preferred terms of Neutropenia includes neutrophil count decreased, Leukopenia includes white blood cell count decreased, Anemia includes hemoglobin decreased and red blood cell count decreased, Thrombocytopenia includes platelet count decreased, Fatigue includes asthenia. ALT, alanine aminotransferase; AST, aspartate aminotransferase; chemo, chemotherapy; pembro, pembrolizumab; SG, sacituzumab govitecan; TEAE, treatment-emergent adverse event. I. Tolanev S. et al. Sacituzumab Govitecan Plus Pembrolizumab vs Chemotherapy Plus Pembrolizumab in Patients With Previously Untreated, PD-L1 Positive, Advanced or Metastatic Triple-Negative Breast Cancer: Primary Results From the Randomized, Phase 3 ASCENT-04/KEYNOTE-D19 Study, Presented at ASCO 2025

The AEs observed are consistent with the known profiles of both SG and Pembro



Data cutoff date: March 3, 2025. AESIs observed in ≥1% of patients in either group are presented; Grouped term. AESI, adverse event of special interest; chemo, chemotherapy; pembro, pembrolizumab; SG, sacituzumab govitecan 1. Tolaney S, et al. Sacituzumab Govitecan Plus Pembrolizumab vs Chemotherapy Plus Pembrolizumab in Patients With Previously Untreated, PD-L1 Positive, Advanced or Metastatic Triple-Negative Breast Cancer: Primary Results From the Randomized. Phase 3 ASCENT-04/KEYNOTE-D19 Study. Presented at ASCO 2025.

Presented at SOHC 2025 from 19 – 21 November 2025

• AESIs were consistent with the known safety profiles of each agent; no new safety concerns were observed and no increased rates of AESIs were observed when combining SG with pembro

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