

Sacituzumab Govitecan vs Docetaxel in Patients With mNSCLC Non-Responsive to Last Anti-PD-(L)1–Containing Regimen: EVOKE-01

Marina Chiara Garassino¹, Oscar Juan-Vidal², Enriqueta Felip³, Nicolas Girard⁴, Manuel Cobo Dols⁵, Daniel E. Haggstrom⁶, Niels Reinmuth⁷, Marcello Tiseo⁸, Maximilian J. Hochmair⁹, Yvonne Summers¹⁰, Lizza E. L. Hendriks¹¹, Davey B. Daniel¹², Terufumi Kato¹³, Parneet Cheema¹⁴, Sabeen Mekan¹⁵, Riddhi Patel¹⁵, Eric Zhang¹⁵, Luis G. Paz-Ares¹⁶

¹University of Chicago Comprehensive Cancer Center, Chicago, IL, USA; ²Hospital Universitari i Politècnic La Fe de Valencia, Valencia, Spain; ³Vall d'Hebron University Hospital and Vall d'Hebron Institute of Oncology, Barcelona, Spain; ⁴Institut du Thorax Curie-Montsouris, Institut Curie, Paris, France; ⁵Regional and Virgen de la Victoria University Hospitals, IBIMA, Malaga, Spain; ⁶Levine Cancer Institute, Charlotte, NC, USA; ⁷Asklepios Lung Clinic, German Center for Lung Research (DZL), Munich-Gauting, Germany; ⁸University of Parma and University Hospital of Parma, Parma, Italy; ⁹Karl Landsteiner Institute of Lung Research and Pulmonary Oncology, Klinik Floridsdorf, Vienna, Austria; ¹⁰The Christie Hospital, Manchester, UK; ¹¹GROW School for Oncology and Reproduction, Maastricht University Medical Center+, Maastricht, The Netherlands; ¹²OneOncology, Nashville, TN, USA; ¹³Kanagawa Cancer Center, Yokohama, Japan; ¹⁴William Osler Health System, University of Toronto, Toronto, Ontario, Canada; ¹⁵Gilead Sciences, Inc, Foster City, CA, USA; ¹⁶Hospital Universitario 12 de Octubre, H12O-CNIO Lung Cancer Clinical Research Unit, Complutense University and Ciberonc, Madrid, Spain

Background

- For mNSCLC that progresses after platinum-based chemotherapy and anti-PD-(L)1–containing regimens, docetaxel remains the standard-of-care treatment,¹ but it is associated with modest clinical outcomes²⁻⁴
- Sacituzumab govitecan (SG) is a Trop-2–directed ADC approved globally for patients with 2L+ mTNBC and pretreated HR+/HER2– mBC and approved in the US for patients with pretreated mUC via an accelerated approval program^{5,6}
- The phase 3 EVOKE-01 study evaluated SG vs docetaxel in patients with mNSCLC progressing after platinum-based chemotherapy and anti–PD-(L)1 treatment⁷
 - Patients were randomized to receive either 10 mg/kg SG on days 1 and 8 or 75 mg/m² docetaxel on day 1 of each 21-day cycle

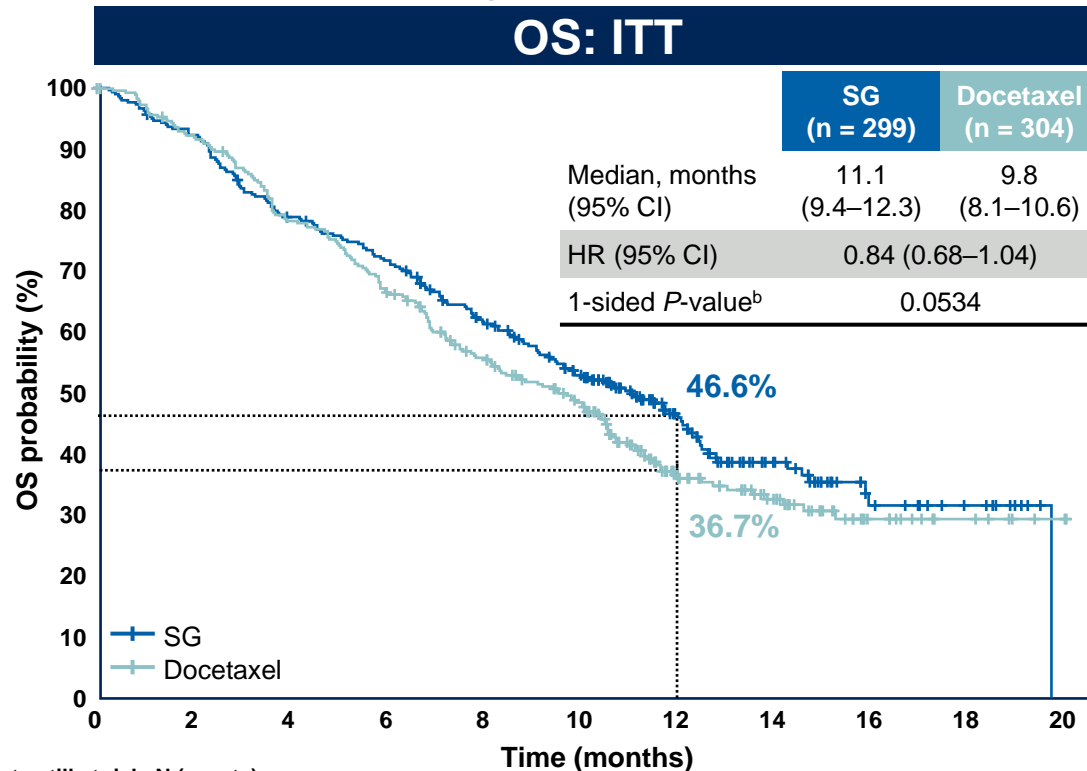
2L+, second line and beyond; **ADC**, antibody-drug conjugate; **HER2–**, human epidermal growth factor receptor 2–negative; **HR+**, hormonal receptor–positive; **mBC**, metastatic breast cancer; **mNSCLC**, metastatic non-small cell lung cancer; **mTNBC**, metastatic triple-negative breast cancer; **mUC**, metastatic urothelial cancer; **PD-(L)1**, programmed death (ligand) 1; **SG**, sacituzumab govitecan; **Trop-2**, trophoblast cell surface antigen 2; **US**, United States.

1. Hendriks LE, et al. *Ann Oncol*. 2023;34:358-76. 2. Borghaei H, et al. *J Clin Oncol*. 2021;39:723-33. 3. Mazieres J, et al. *J Thorac Oncol*. 2021;16:140-50. 4. Shi Y, et al. *Cancer Commun*. 2022;42:1314-30. 5. TRODELVY® (sacituzumab govitecan-hziy) [prescribing information]. Foster City, CA: Gilead Sciences, Inc; April 2024. 6. TRODELVY® (sacituzumab govitecan-hziy) [summary of product characteristics]. Carrigtwohill, Ireland: Gilead Sciences Ireland UC; July 2023.

7. Paz-Ares LG, et al. *J Clin Oncol*. Published online May 31, 2024. doi:10.1200/JCO.24.00733.

Background: EVOKE-01 Primary Results¹

- There was a clinically meaningful OS improvement favoring SG over docetaxel in patients with mNSCLC that was non-responsive (SD/PD) to their last anti-PD-(L)1-containing regimen^a
 - Here we discuss this subgroup



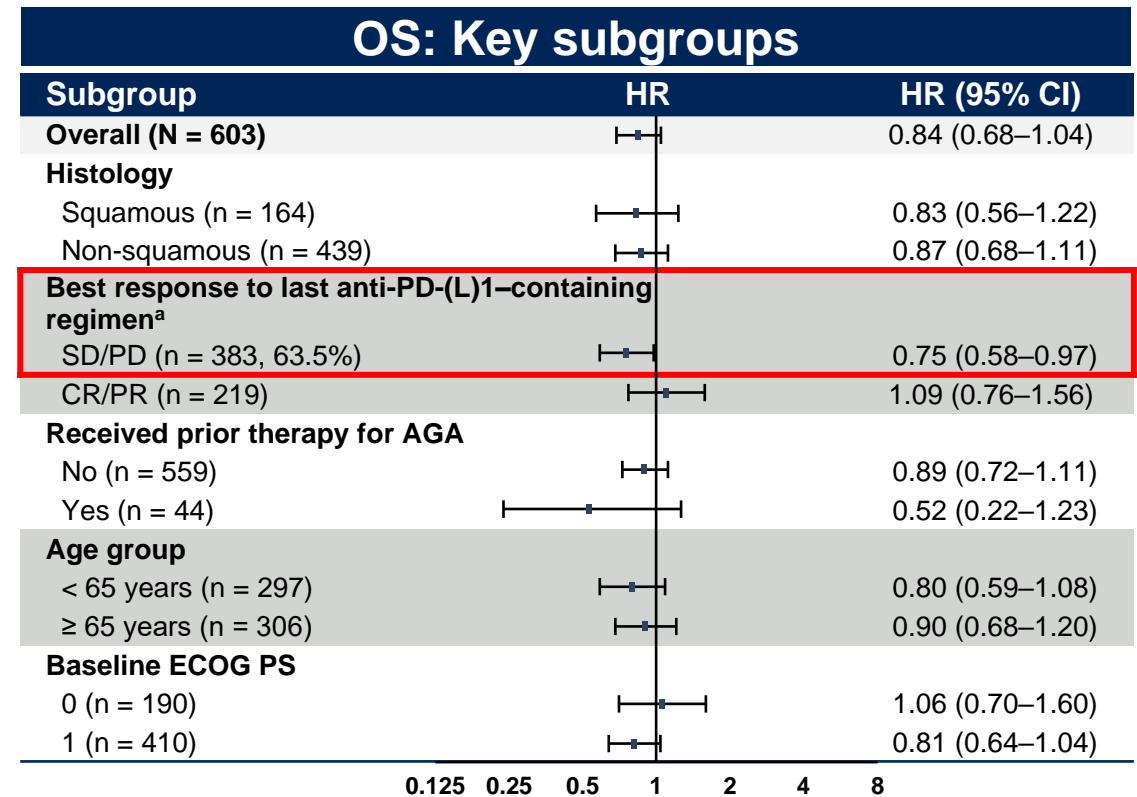
Patients still at risk, N (events)

SG	299 (0)	275 (23)	234 (63)	212 (83)	175 (112)	140 (137)	76 (150)	40 (162)	17 (166)	10 (167)	0 (168)
Docetaxel	304 (0)	277 (23)	234 (65)	201 (98)	158 (131)	128 (151)	64 (178)	41 (184)	15 (187)	7 (187)	2 (187)

^aInvestigator-assessed. ^bOne-sided P-value for significance was $P \leq 0.0223$.

AGA, actionable genomic alteration; CR, complete response; ECOG PS, Eastern Cooperative Oncology Group performance status; HR, hazard ratio; ITT, intent-to-treat; mNSCLC, metastatic non-small cell lung cancer; OS, overall survival; PD, progressive disease; PD-(L)1, programmed death (ligand) 1; PR, partial response; SD, stable disease; SG, sacituzumab govitecan.

1. Paz-Ares LG, et al. *J Clin Oncol*. Published online May 31, 2024. doi:10.1200/JCO.24.00733.



Patient Baseline Characteristics

In the non-responsive (SD/PD) subgroup, baseline characteristics were well balanced between treatment groups and consistent with those of the ITT population

Characteristic	ITT (N = 603) ¹		Non-responsive (SD/PD) ^a (n = 383)	
	SG (n = 299)	Docetaxel (n = 304)	SG (n = 192)	Docetaxel (n = 191)
Median age (range), years	66 (31–84)	64 (32–83)	66 (31–84)	64 (32–83)
Sex, male, n (%)	194 (64.9)	216 (71.1)	123 (64.1)	141 (73.8)
Race, n (%)				
Asian	17 (5.7)	26 (8.6)	5 (2.6)	11 (5.8)
Black	6 (2.0)	7 (2.3)	3 (1.6)	4 (2.1)
White	229 (76.6)	216 (71.1)	157 (81.8)	144 (75.4)
Other ^b	47 (15.7)	55 (18.1)	27 (14.1)	32 (16.8)
ECOG PS, ^c n (%)				
0	101 (33.8)	89 (29.3)	58 (30.2)	55 (28.8)
1	198 (66.2)	212 (69.7)	134 (69.8)	134 (70.2)
Disease stage at diagnosis, ^d n (%)				
Stage I-III	76 (25.4)	102 (33.6)	50 (26.0)	73 (38.2)
Stage IV	219 (73.2)	202 (66.4)	139 (72.4)	118 (61.8)
Prior lines of therapy, n (%)				
1	167 (55.9)	167 (54.9)	97 (50.5)	99 (51.8)
2	103 (34.4)	101 (33.2)	72 (37.5)	69 (36.1)
≥ 3	29 (9.7)	36 (11.8)	23 (12.0)	23 (12.0)

Characteristic, n (%)	ITT (N = 603) ¹		Non-responsive (SD/PD) ^a (n = 383)	
	SG (n = 299)	Docetaxel (n = 304)	SG (n = 192)	Docetaxel (n = 191)
History of brain metastasis, n (%)	35 (11.7)	39 (12.8)	21 (10.9)	21 (11.0)
Histology ^e				
Non-squamous ^e	215 (71.9)	224 (73.7)	142 (74.0)	145 (75.9)
Squamous	84 (28.1)	80 (26.3)	50 (26.0)	46 (24.1)
Best response to last anti-PD-(L)1-containing regimen ^{a,e}				
Responsive (CR/PR)	106 (35.5)	113 (37.2)	0	0
Non-responsive (SD/PD)	192 (64.2)	191 (62.8)	192 (100)	191 (100)
Not available	1 (0.3)	0	0	0
Prior therapy for AGA ^e				
No	280 (93.6)	279 (91.8)	180 (93.8)	177 (92.7)
Yes ^g	19 (6.4)	25 (8.2)	12 (6.3)	14 (7.3)
PD-L1 result ^h				
< 1%	116 (38.8)	127 (41.8)	80 (41.7)	80 (41.9)
≥ 1% and ≤ 49%	119 (39.8)	116 (38.2)	75 (39.1)	75 (39.3)
≥ 50%	63 (21.1)	59 (19.4)	36 (18.8)	35 (18.3)
Missing	1 (0.3)	2 (0.7)	1 (0.5)	1 (0.5)

^aInvestigator-assessed. ^bOther races include American Indian or Alaska Native, Native Hawaiian or Other Pacific Islander, other, and not reported. ^cECOG PS was missing for 2 patients in the docetaxel group within both the non-responsive subgroup and ITT subgroup. ^dAll patients had stage IV NSCLC at time of randomization; 4 and 3 patients in the SG group of the ITT population and the non-responsive subgroup, respectively, had unknown disease stage at diagnosis. ^eStratification factors. ^fNon-squamous includes patients with NSCLC with “not otherwise specified” histology. ^gPatients with multiple types of AGA were counted once for each type; percentages calculated on the basis of the number of patients in the population. ^hLocal PD-L1 tumor testing was done if PD-(L)1 status was unknown, or if local testing was unavailable, tumor testing could be done by the central laboratory.
AGA, actionable genomic alteration; **CR**, complete response; **ECOG PS**, Eastern Cooperative Oncology Group performance status; **ITT**, intent-to-treat; **NSCLC**, non-small cell lung cancer; **PD**, progressive disease; **PD-(L)1**, programmed death (ligand) 1; **PR**, partial response; **SD**, stable disease; **SG**, sacituzumab govitecan.
 1. Paz-Ares LG, et al. *J Clin Oncol*. Published online May 31, 2024.

Prior Anti-PD-(L)1 Therapy and Treatment Response

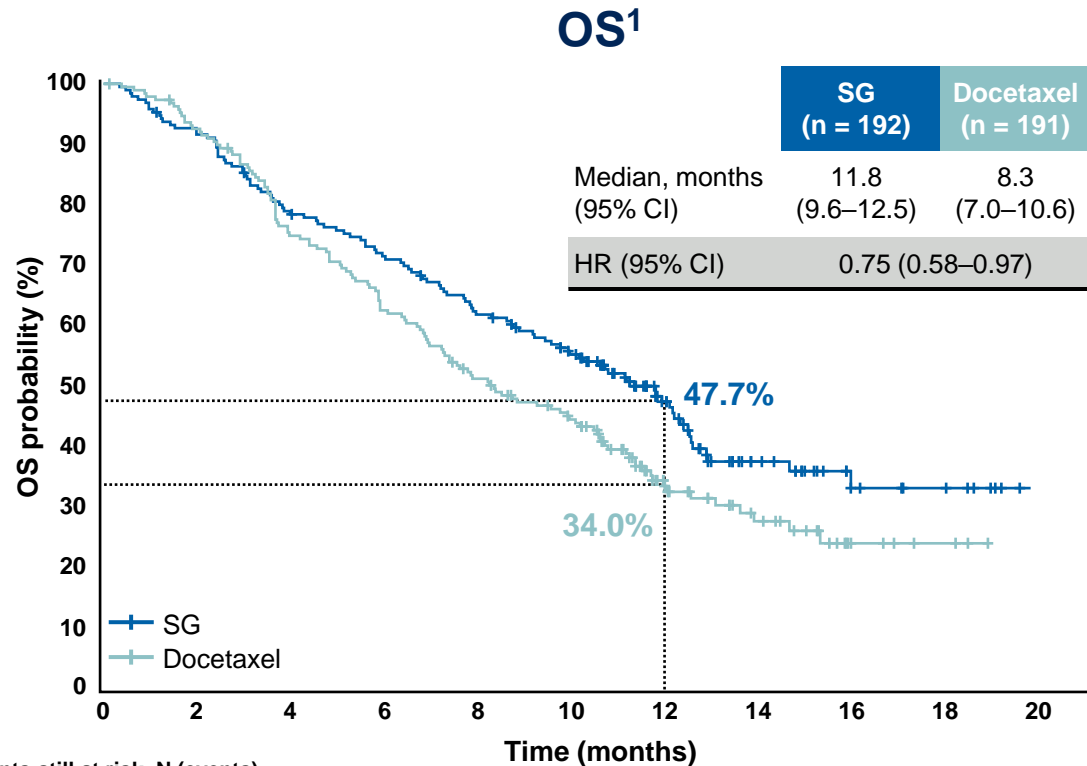
Prior therapies were well balanced between treatment groups and representative of the ITT population

Characteristic	ITT (N = 603)		Non-responsive (SD/PD) (n = 383)	
	SG (n = 299) ^a	Docetaxel (n = 304)	SG (n = 192)	Docetaxel (n = 191)
Received anti-PD-(L)1 as most recent prior therapy, n (%)				
Monotherapy	247 (82.6)	261 (85.9)	161 (83.9)	165 (86.4)
Combined with chemotherapy	44 (14.7)	54 (17.8)	38 (19.8)	36 (18.8)
Combined with another type of therapy	201 (67.2)	201 (66.1)	121 (63.0)	126 (66.0)
	2 (0.7)	6 (2.0)	2 (1.0)	3 (1.6)
Did not receive anti-PD-(L)1 as most recent prior therapy, n (%)	51 (17.1)	43 (14.1)	31 (16.1)	26 (13.6)
Median treatment duration of the last anti-PD-(L)1-containing regimen, months	6.2	7.0	5.6	5.8

^aOne patient in the SG group did not have data available on their response to a prior anti-PD-(L)1-containing regimen.
ITT, intent-to-treat; PD, progressive disease; PD-(L)1, programmed death (ligand) 1; SD, stable disease; SG, sacituzumab govitecan.

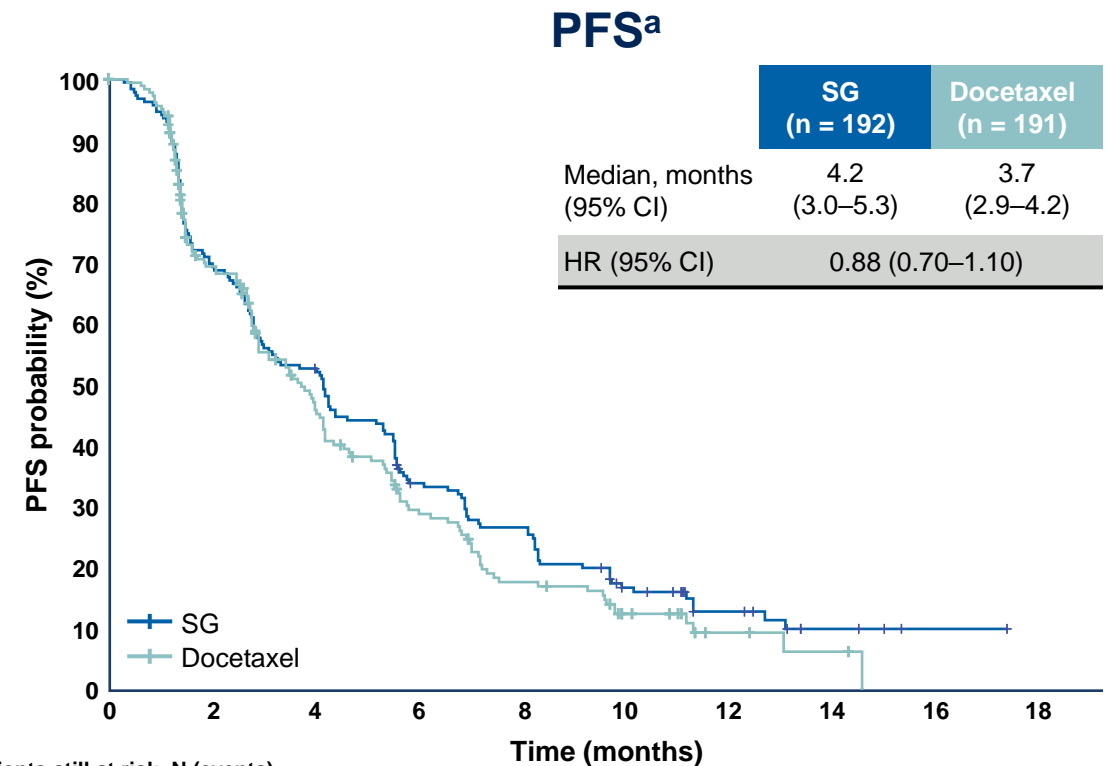
Efficacy: Non-Responsive (SD/PD) to Last Anti-PD-(L)1-Containing Regimen

SG had a 3.5-month median OS improvement over docetaxel among the subgroup of patients with non-responsive (SD/PD) disease



Patients still at risk, N (events)

	SG	192 (0)	175 (16)	149 (41)	135 (54)	116 (72)	98 (84)	53 (95)	26 (105)	11 (107)	8 (107)	0 (108)
Docetaxel	191 (0)	175 (14)	141 (47)	118 (70)	95 (91)	78 (103)	36 (119)	21 (124)	6 (126)	3 (126)	0 (126)	



Patients still at risk, N (events)

	SG	192 (0)	127 (56)	94 (87)	56 (120)	44 (132)	23 (148)	11 (152)	4 (154)	1 (154)	0 (154)
Docetaxel	191 (0)	116 (54)	74 (90)	43 (117)	25 (134)	13 (141)	4 (143)	2 (144)	0 (145)		

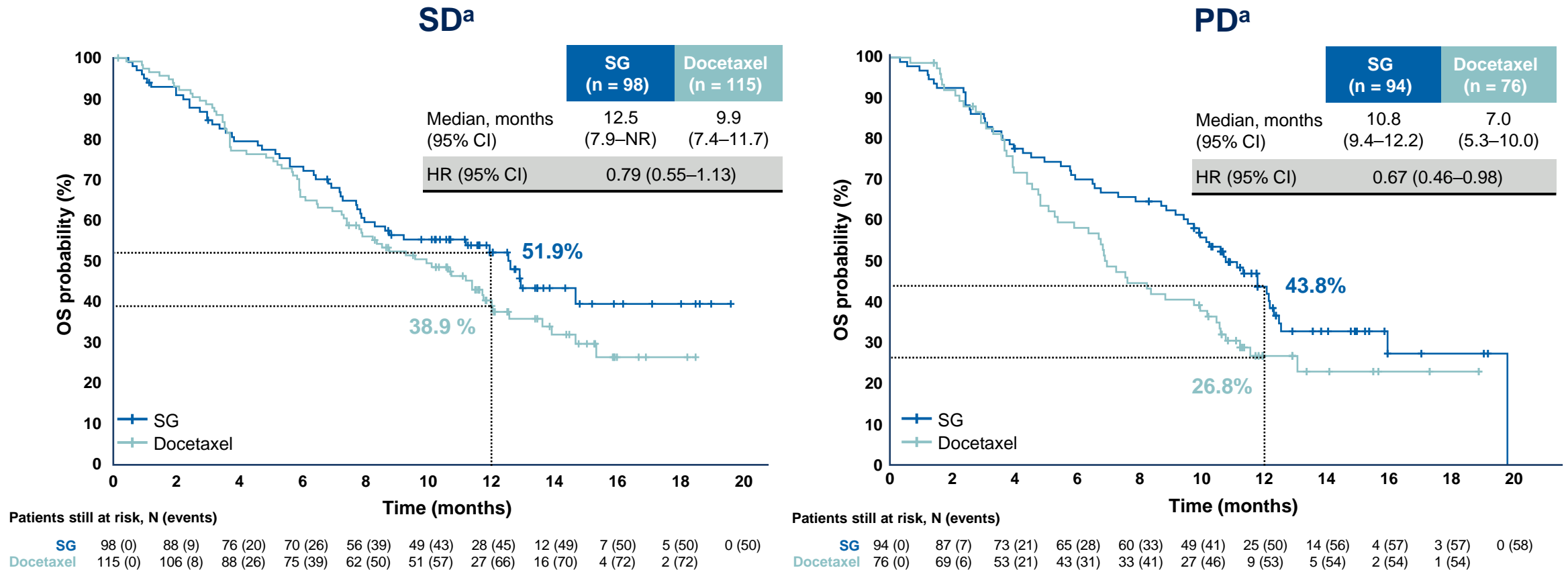
^aBy investigator assessment per Response Evaluation Criteria in Solid Tumors version 1.1.

HR, hazard ratio; OS, overall survival; PD, progressive disease; PD-(L)1, programmed death (ligand) 1; PFS, progression-free survival; SD, stable disease; SG, sacituzumab govitecan.

1. Paz-Ares LG, et al. *J Clin Oncol*. Published online May 31, 2024. doi:10.1200/JCO.24.00733.

Overall Survival: SD or PD as Best Response to Last Anti-PD-(L)1-Containing Regimen

SG showed an OS improvement over docetaxel in both SD and PD subgroups



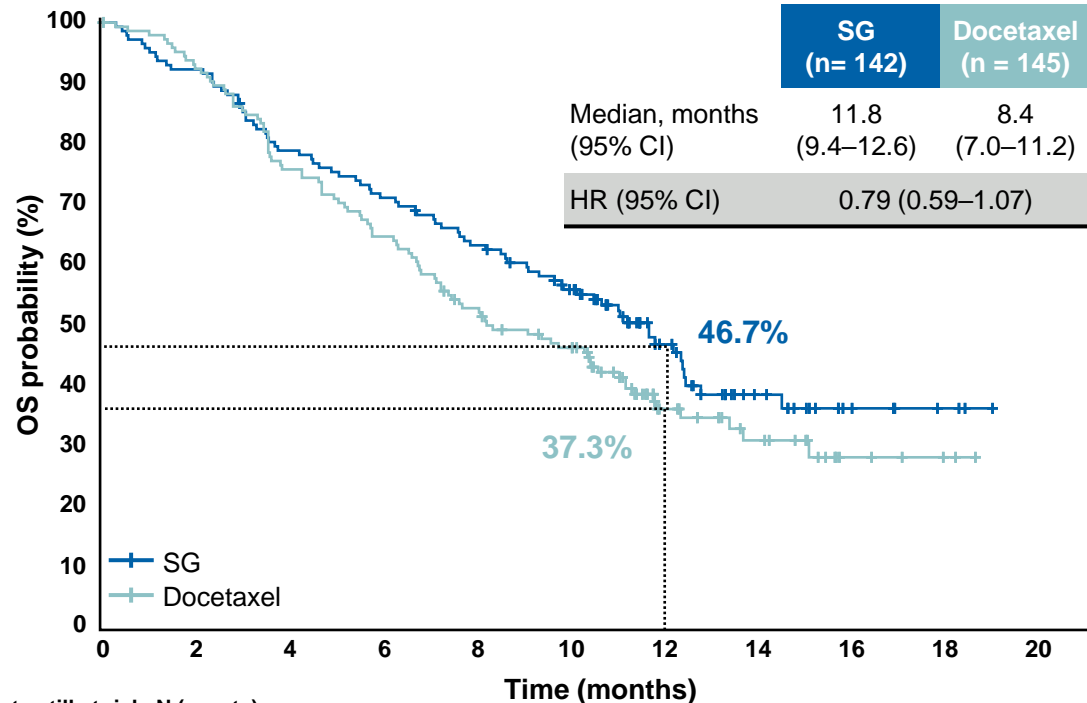
^aBest response to last anti-PD-(L)1-containing regimen.

HR, hazard ratio; NR, not reached; OS, overall survival; PD, progressive disease; PD-(L)1, programmed death (ligand) 1; SD, stable disease; SG, sacituzumab govitecan.

Overall Survival: Non-Responsive (SD/PD) to Last Anti-PD-(L)1-Containing Regimen, by Histology

SG showed an OS improvement over docetaxel in both non-squamous and squamous histologies

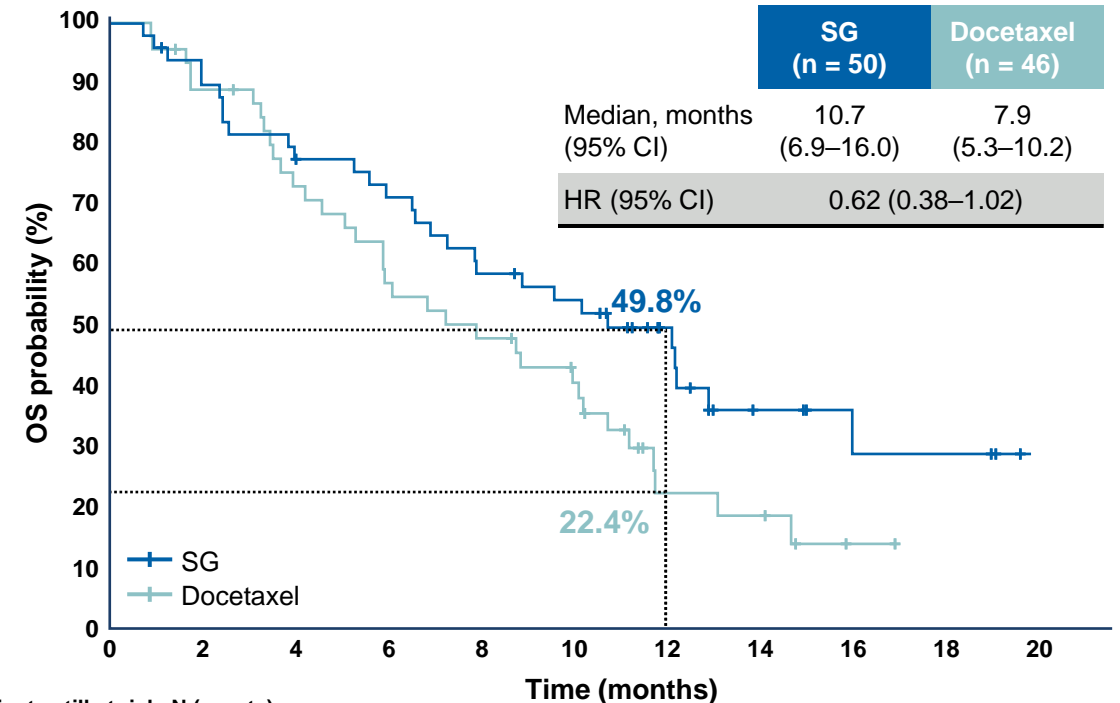
Non-squamous¹



Patients still at risk, N (events)

	0	2	4	6	8	10	12	14	16	18	20
SG	142 (0)	131 (11)	111 (30)	101 (40)	88 (52)	73 (62)	38 (71)	19 (77)	7 (78)	4 (78)	0 (78)
Docetaxel	145 (0)	135 (9)	109 (35)	93 (51)	74 (68)	62 (77)	30 (87)	16 (91)	5 (92)	3 (92)	0 (92)

Squamous¹



Patients still at risk, N (events)

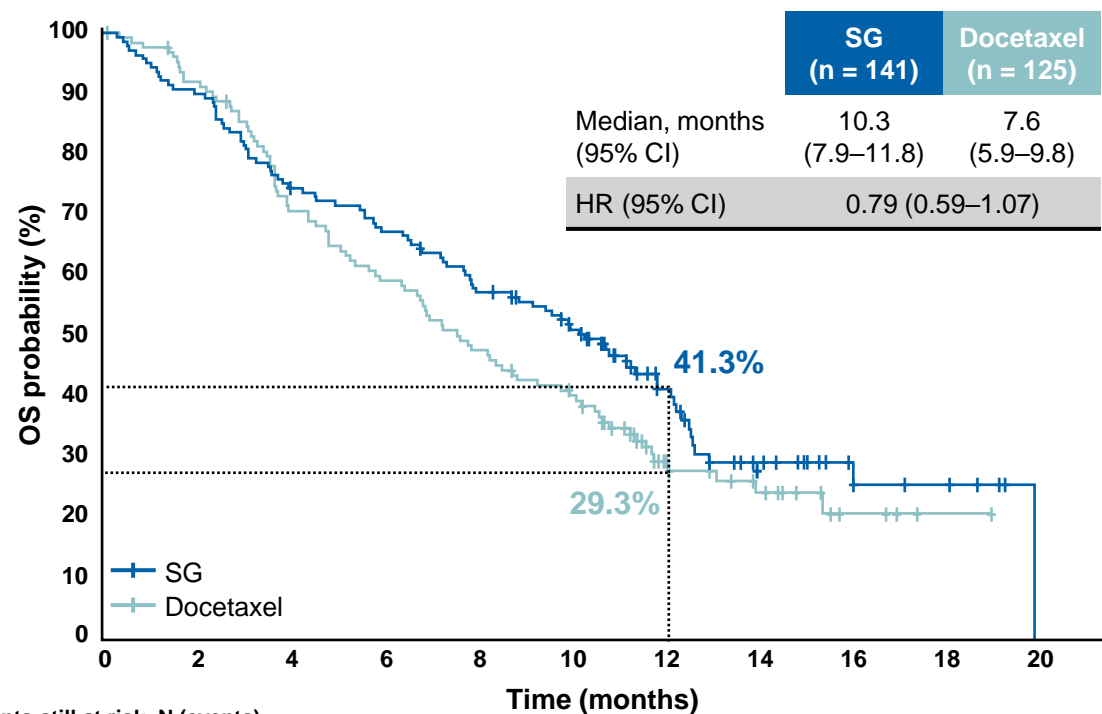
	0	2	4	6	8	10	12	14	16	18	20
SG	50 (0)	44 (5)	38 (11)	34 (14)	28 (20)	25 (22)	15 (24)	7 (28)	4 (29)	4 (29)	0 (30)
Docetaxel	46 (0)	40 (5)	32 (12)	25 (19)	21 (23)	16 (26)	6 (32)	5 (33)	1 (34)		

HR, hazard ratio; OS, overall survival; PD, progressive disease; PD-(L)1, programmed death (ligand) 1; SD, stable disease; SG, sacituzumab govitecan.

1. Paz-Ares LG, et al. *J Clin Oncol*. Published online May 31, 2024. doi:10.1200/JCO.24.00733.

Overall Survival Analysis: Primary or Secondary Resistance to Treatment With Last Anti-PD-(L)1-containing Regimen (SD/PD)

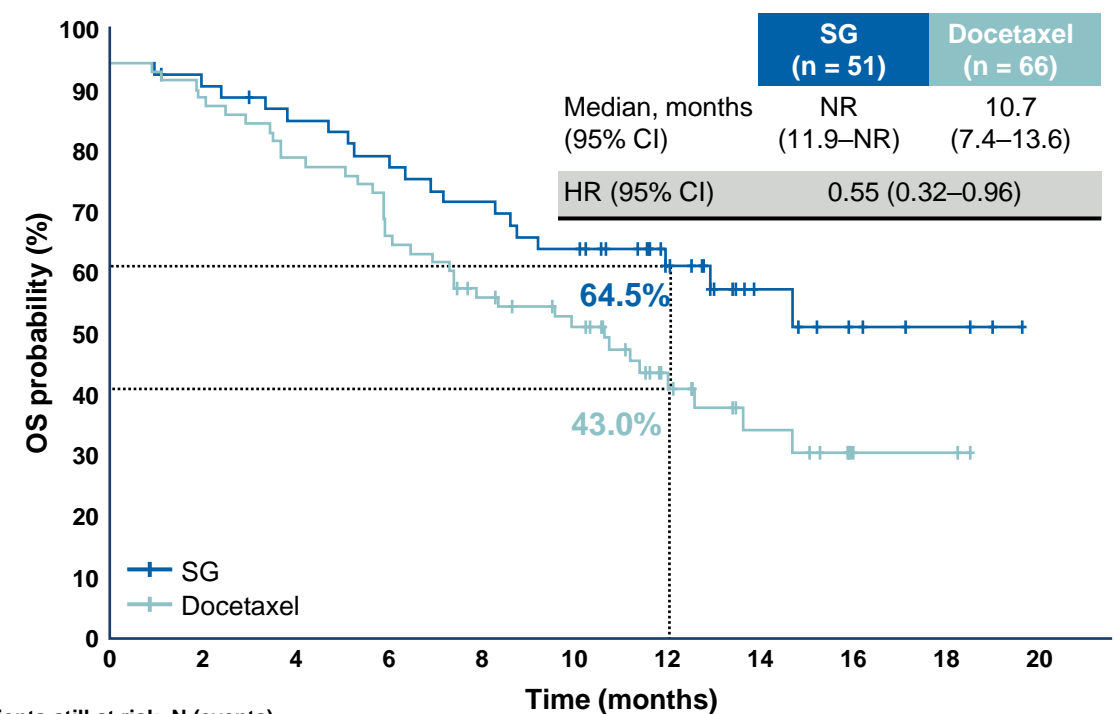
Primary resistance^a to last anti-PD-(L)1-containing regimen



Patients still at risk, N (events)

	SG	141 (0)	127 (14)	105 (36)	94 (46)	79 (60)	65 (68)	32 (78)	17 (87)	6 (88)	5 (88)	0 (89)
Docetaxel	125 (0)	113 (10)	86 (36)	72 (50)	58 (64)	47 (73)	20 (84)	12 (87)	4 (88)	1 (88)		

Secondary resistance^a to last anti-PD-(L)1-containing regimen



Patients still at risk, N (events)

	SG	51 (0)	48 (2)	44 (5)	41 (8)	37 (12)	33 (16)	21 (17)	9 (18)	5 (19)	3 (19)	0 (19)
Docetaxel	66 (0)	62 (4)	55 (11)	46 (20)	37 (27)	31 (30)	16 (35)	9 (37)	2 (38)	2 (38)		

^aPrimary resistance per SITC-based criteria for PD-(L)1 inhibitors: patients with PD or SD (< 6 months on treatment); secondary resistance SD (≥6 months on treatment), no patients in subgroup had CR or PR.¹
CR, complete response; **HR**, hazard ratio; **NR**, not reached; **OS**, overall survival; **PD**, progressive disease; **PD-(L)1**, programmed death (ligand) 1; **PR**, partial response; **SD**, stable disease; **SITC**, Society for Immunotherapy of Cancer; **SG**, sacituzumab govitecan.
 1. Kluger HM, et al. *J Immunother Cancer*. 2023;11:e005921.

Overall Safety Summary: Non-Responsive (SD/PD) Subgroup

TEAEs (safety-evaluable patients), n (%)	SG (n = 189)	Docetaxel (n = 182)
Any grade	189 (100.0)	177 (97.3)
Grade ≥ 3	128 (67.7)	132 (72.5)
Serious	92 (48.7)	78 (42.9)
Leading to dose reduction	58 (30.7)	60 (33.0)
Leading to discontinuation	16 (8.5)	24 (13.2)
Leading to death ^a	5 (2.6)	7 (3.8)

- Consistent with the ITT population,¹ rates of grade ≥ 3 TEAEs and TEAEs leading to dose reductions or discontinuations were lower with SG than with docetaxel

^aTEAEs leading to death in the non-responsive subgroup as determined by the investigator included cerebrovascular accident, febrile neutropenia, hematemesis, neutropenic colitis, and sepsis (1 each) in the SG arm; and death (n = 4), pneumonia (n = 2), and pneumonitis (n = 1) in the docetaxel arm.

ITT, intent-to-treat; PD, progressive disease; SD, stable disease; SG, sacituzumab govitecan; TEAE, treatment-emergent adverse event.

1. Paz-Ares LG, et al. *J Clin Oncol*. Published online May 31, 2024. doi:10.1200/JCO.24.00733.

Conclusions

- In patients with mNSCLC, the EVOKE-01 study did not meet the primary end point of OS in the ITT population¹
 - Observed a numerical improvement favoring SG vs docetaxel (HR, 0.84; 95% CI, 0.68–1.04)¹
- In patients non-responsive to their last anti-PD-(L)1–containing regimen, a meaningful OS improvement of 3.5 months (HR [95% CI], 0.75 [0.58–0.97]) was seen with SG vs docetaxel
 - This analysis was preplanned and not alpha-controlled
 - No major differences in baseline characteristics were observed to explain the OS benefit
- In the non-responsive group, OS improvement was consistent across different post hoc analyses
 - Best response to last anti-PD-(L)1–containing regimen (SD vs PD)
 - Histology (squamous vs non-squamous)
 - Duration of response to last anti-PD-(L)1–containing regimen (primary vs secondary resistance)
- SG had a favorable safety profile and was better tolerated than docetaxel in the non-responsive subgroup, consistent with the ITT population

HR, hazard ratio; ITT, intent-to-treat; mNSCLC, metastatic non-small cell lung cancer; OS, overall survival; PD, progressive disease; PD-(L)1, programmed death (ligand) 1; SD, stable disease; SG, sacituzumab govitecan.

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