The Implications of Recent Datasets for the Current and Future Use of Nontargeted Therapy for Metastatic Non-Small Cell Lung Cancer

A CME/MOC-Accredited Live Webinar in Conjunction with the IASLC 2024 World Conference on Lung Cancer

Thursday, September 12, 2024 5:00 PM – 6:00 PM ET

Faculty

Edward B Garon, MD, MS Luis Paz-Ares, MD, PhD



Faculty



Edward B Garon, MD, MS

Professor

Director, Thoracic Oncology Program

Director, Signal Transduction and Therapeutics

Research Program

David Geffen School of Medicine at UCLA

Jonsson Comprehensive Cancer Center

Los Angeles, California



MODERATOR
Neil Love, MD
Research To Practice
Miami, Florida



Luis Paz-Ares, MD, PhD
Chair of the Medical Oncology Department at the Hospital Universitario 12 de Octubre Associate Professor at the Universidad Complutense Head of the Lung Cancer Unit at the National Oncology Research Center Madrid, Spain



Commercial Support

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Travel	A2 Bio, Novartis



Dr Paz-Ares — Disclosures

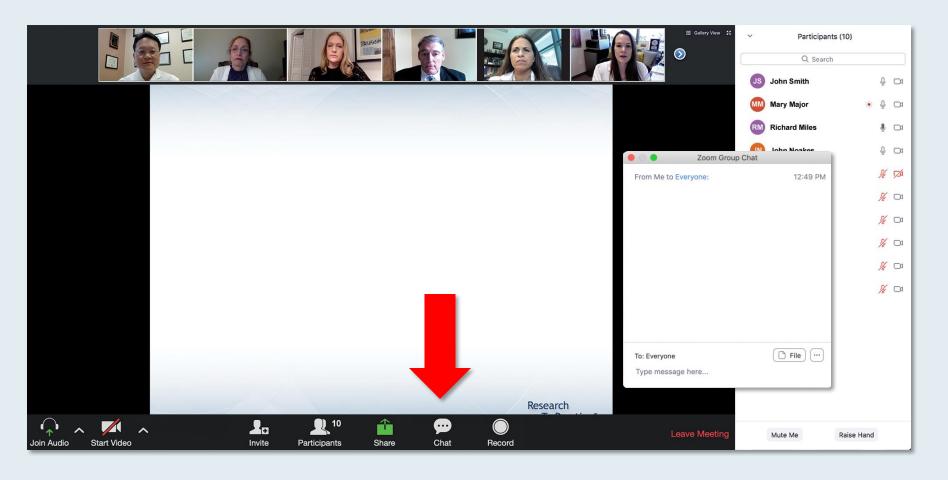
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We Encourage Clinicians in Practice to Submit Questions

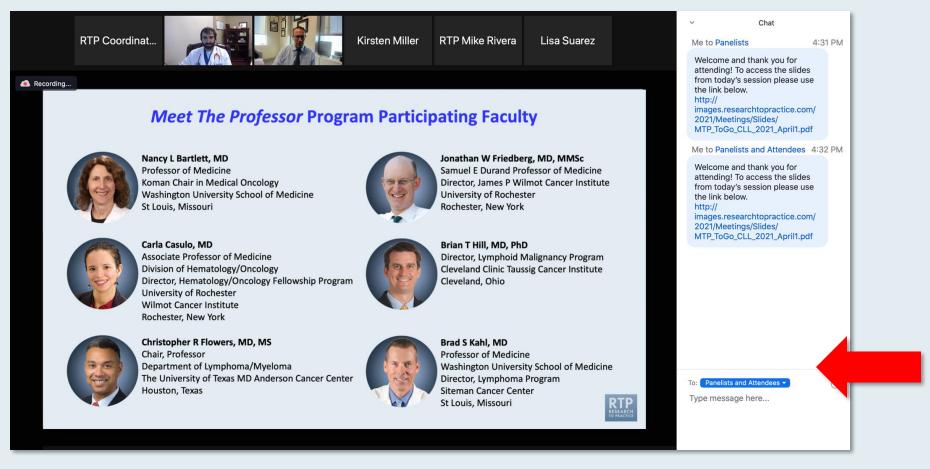


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ONCOLOGY TODAY

WITH DR NEIL LOVE

Novel Agents and Strategies in Lung Cancer



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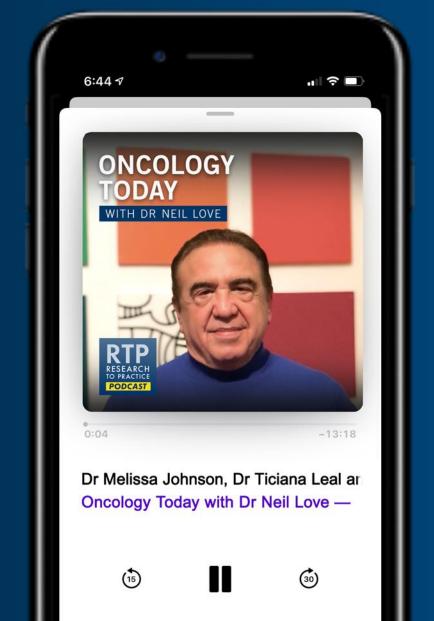


DR MANISH PATEL
FLORIDA CANCER SPECIALISTS & RESEARCH INSTITUTE









Meet The Professor: Optimizing the Management of Chronic Lymphocytic Leukemia

A CME/MOC-Accredited Live Webinar

Tuesday, September 17, 2024 5:00 PM – 6:00 PM ET

Faculty
Matthew S Davids, MD, MMSc



Practical Perspectives: Optimizing Diagnosis and Treatment for Patients with Desmoid Tumors

A CME/MOC-Accredited Live Webinar

Tuesday, September 24, 2024 5:00 PM - 6:00 PM ET

Faculty

Thierry Alcindor, MD, MSc Mrinal Gounder, MD



Practical Perspectives: Optimizing the Role of BTK Inhibitors in the Management of Mantle Cell Lymphoma

A CME/MOC-Accredited Live Webinar

Wednesday, September 25, 2024 5:00 PM – 6:00 PM ET

Faculty
Tycel Phillips, MD
Michael Wang, MD



Data + Perspectives: Clinical Investigators Explore the Application of Recent Datasets in Current Oncology Care

A Multitumor Hybrid Symposium in Partnership with Florida Cancer Specialists & Research Institute

Saturday, October 26, 2024

ER-Positive Breast Cancer Faculty

Joyce O'Shaughnessy, MD Seth Wander, MD, PhD Lung Cancer Faculty

Joshua K Sabari, MD

Additional faculty to be announced.



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Faculty
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Sandy Srinivas, MD

Non-Hodgkin Lymphoma and Chronic
Lymphocytic Leukemia
Faculty
Brad S Kahl, MD
Sonali M Smith, MD



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Noopur Raje, MD



What Clinicians Want to Know: Addressing Current Questions and Controversies in the Management of Hematologic Cancers

A CME Friday Satellite Symposium and Webcast Series Preceding the 66th ASH Annual Meeting and Exposition

Friday, December 6, 2024

Chronic Myeloid Leukemia 7:30 AM – 9:00 AM PT Myelofibrosis 11:30 AM – 1:30 PM PT

Chronic Lymphocytic Leukemia 7:30 AM – 9:30 AM PT Acute Myeloid Leukemia 3:15 PM - 5:15 PM PT

CAR T-Cell Therapy 11:30 AM – 1:30 PM PT Multiple Myeloma 3:15 PM - 5:15 PM PT



Rounds with the Investigators: Compelling Teaching Cases Focused on the Management of Breast Cancer

A 3-Part CME Hybrid Satellite Symposium Series in Partnership with the 2024 San Antonio Breast Cancer Symposium®

HER2-Low and HER2-Ultralow Breast Cancer

Tuesday, December 10, 2024 7:15 PM – 8:45 PM CT Endocrine-Based Therapy Wednesday, December 11, 2024 7:15 PM – 9:15 PM CT

Metastatic Breast Cancer Thursday, December 12, 2024 7:15 PM – 9:15 PM CT



Save The Date

Fourth Annual National General Medical Oncology Summit

A Multitumor CME/MOC-, ACPE- and NCPD-Accredited Educational Conference Developed in Partnership with Florida Cancer Specialists & Research Institute

Friday to Sunday, February 28 to March 2, 2025

Fontainebleau Hotel, Miami Beach, Florida

Moderated by Neil Love, MD

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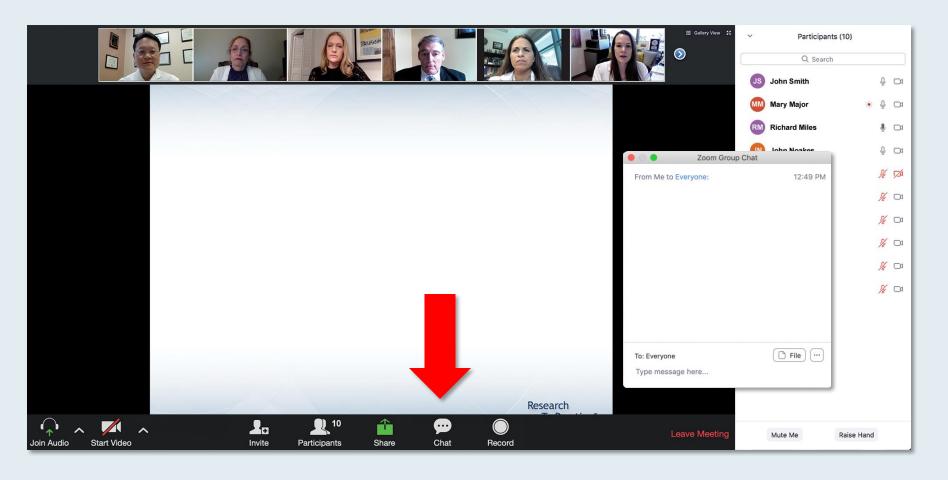
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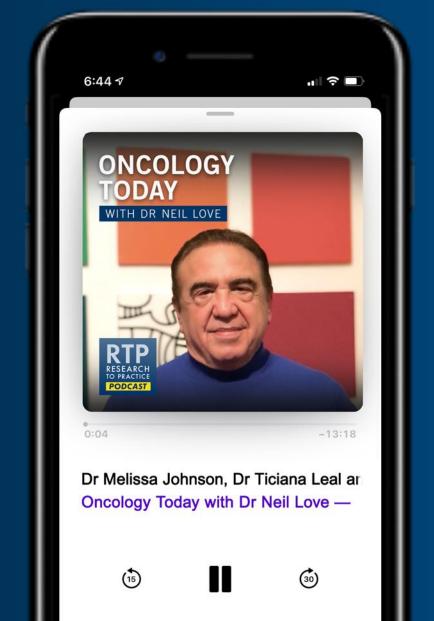


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Agenda

Introduction: Ivonescimab

Module 1: First-Line Therapy for Metastatic NSCLC without a Targetable Tumor Mutation — Dr Garon

Module 2: Promising Therapeutic Strategies for Patients with Progressive Metastatic NSCLC — Dr Paz-Ares



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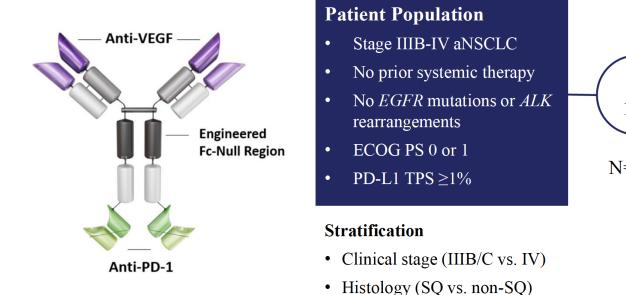


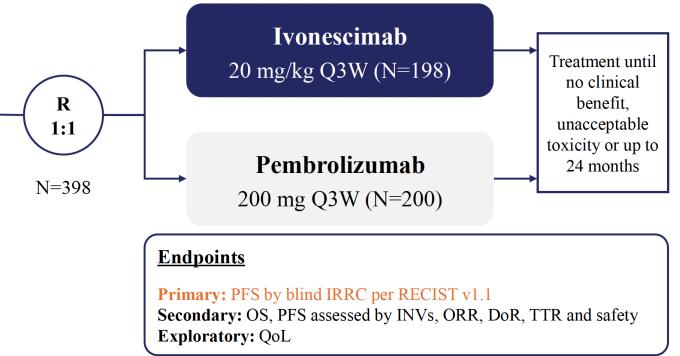
HARMONi-2: Phase 3 Study of Ivonescimab vs. Pembrolizumab as 1L Treatment for PD-L1-positive Advanced NSCLC – Study Design

Ivonescimab (AK112/SMT112) is an anti-PD-1/VEGF bispecific antibody displaying cooperative binding characteristics.

A randomized, double-blind, phase 3 study^a

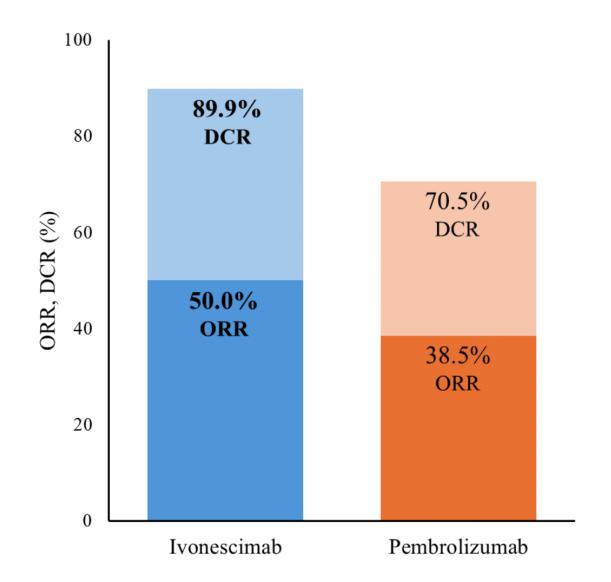
• PD-L1 TPS (≥50% vs. 1-49%)





Zhang L et al. ASCO 2024; Abstract 8508. Zhou C et al. WCLC 2024; Abstract PL02.04.

HARMONi-2: Phase 3 Study of Ivonescimab vs. Pembrolizumab as 1L Treatment for PD-L1-positive Advanced NSCLC – Response

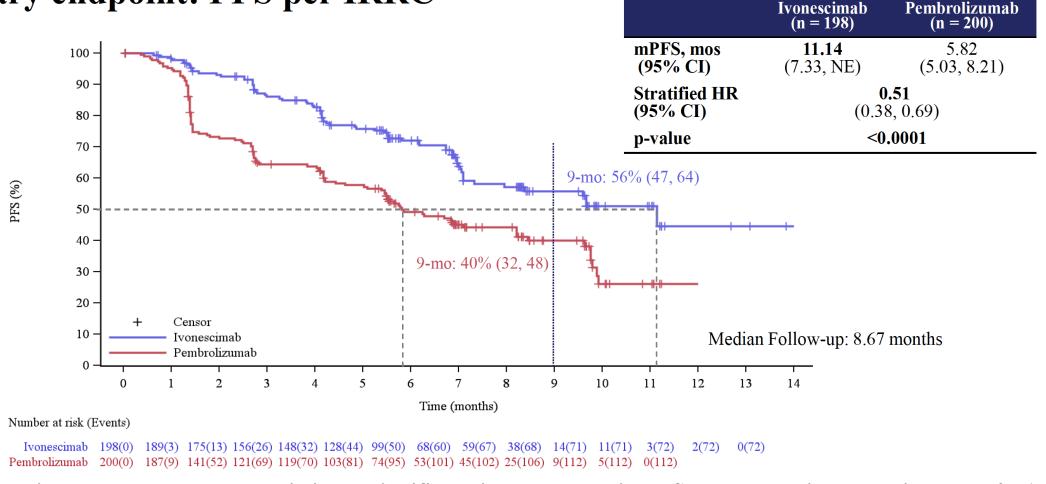


	Ivonescimab (n = 198)	Pembrolizumab (n = 200)
ORR, % (95% CI)	50.0 (42.8, 57.2)	38.5 (31.7, 45.6)
DCR, % (95% CI)	89.9 (84.8, 93.7)	70.5 (63.7, 76.7)
Median DoR, mos (95% CI)	NR (NE, NE)	NR (8.28, NE)

ORR and DCR were higher with ivonescimab vs. pembrolizumab.

HARMONi-2: Phase 3 Study of Ivonescimab vs. Pembrolizumab as 1L Treatment for PD-L1-positive Advanced NSCLC – PFS

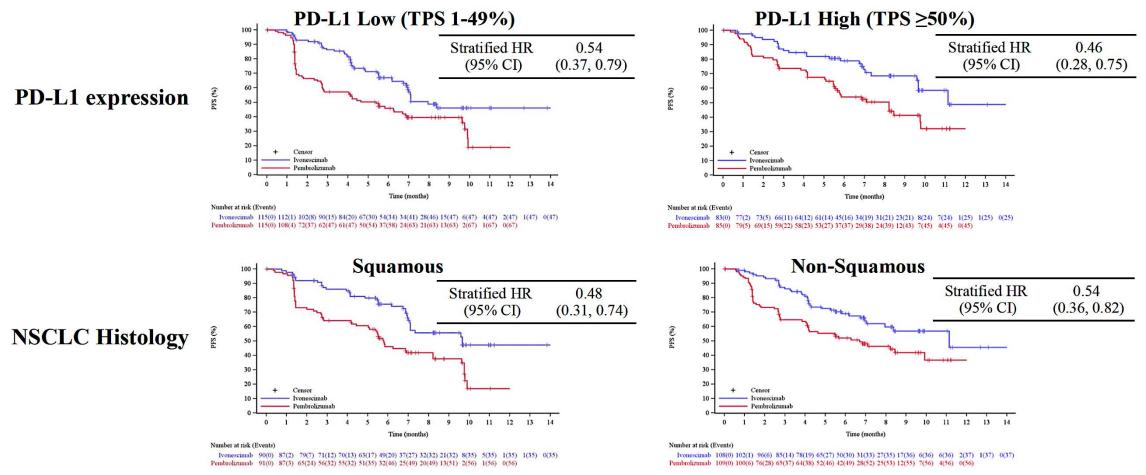
Primary endpoint: PFS per IRRC



Ivonescimab demonstrated a statistically significant improvement in PFS vs. pembrolizumab with HR = 0.51, and a 5.3 months improvement in mPFS.

HARMONi-2: Phase 3 Study of Ivonescimab vs. Pembrolizumab as 1L Treatment for PD-L1-positive Advanced NSCLC – Subgroups

Key PFS Subgroup Analyses



Ivonescimab showed meaningful improvement in PFS vs. pembrolizumab in patients with both low and high PD-L1, with squamous or non-squamous advanced NSCLC.

Zhou C et al. WCLC 2024; Abstract PL02.04.

HARMONi-2: Phase 3 Study of Ivonescimab vs. Pembrolizumab as 1L Treatment for PD-L1-positive Advanced NSCLC – Safety

TRAEs

Safety Summary, n (%)	Ivonescimab (n = 197ª)	Pembrolizumab (n = 199ª)
TRAEs (all grades)	177 (89.8)	163 (81.9)
Grade≥3	58 (29.4)	31 (15.6)
Serious TRAEs	41 (20.8)	32 (16.1)
Leading to discontinuation	3 (1.5)	6 (3.0)
Leading to death	1 (0.5)	2 (1.0)

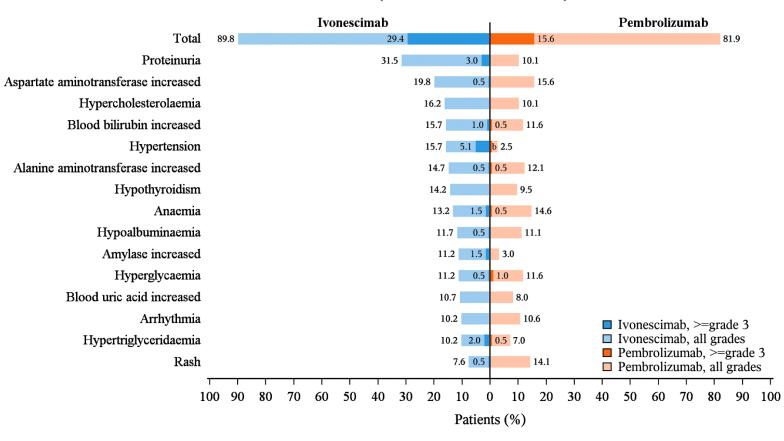
Ivonescimab showed a manageable safety profile, which was consistent with previous studies.

TRAEs in SQ Subgroup

Safety Summary, n (%)	Ivonescimab (n = 90ª)	Pembrolizumab (n = 91ª)		
TRAEs (all grades)	77 (85.6)	73 (80.2)		
Grade≥3	20 (22.2)	17 (18.7)		
Serious TRAEs	17 (18.9)	17 (18.7)		
Leading to discontinuation	2 (2.2)	3 (3.3)		
Leading to death	0	1 (1.1)		

Ivonescimab also demonstrated a tolerable safety profile in SQ patients.

The Most Common TRAEs (incidence ≥10%)



The differences in AEs were predominantly proteinuria, hypertension, and laboratory abnormalities.

JAMA | Original Investigation

Ivonescimab Plus Chemotherapy in Non-Small Cell Lung Cancer With *EGFR* Variant

A Randomized Clinical Trial

HARMONi-A Study Investigators

Zhang L et al. *JAMA* 2024;332(7):561-570.





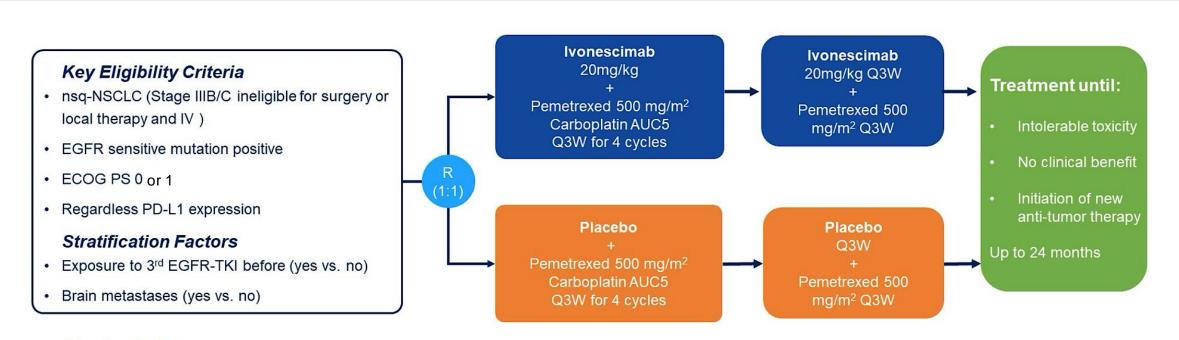
Ivonescimab combined with chemotherapy in patients with EGFR-mutant non-squamous non-small cell lung cancer who progressed on EGFR-TKIs treatment: a randomized, double-blind, multi-center, phase 3 trial (HARMONi-A study)

Li Zhang¹, Wenfeng Fang¹, Yuanyuan Zhao¹, Yongzhong Luo², Runxiang Yang³, Yan Huang¹, Zhiyong He⁴, Hui Zhao⁵, Mingjun Li⁶, Kai Liⁿ, Qibing Song®, Xiaobo Du⁰, Yulan Sun¹⁰, Wei Li¹¹, Fei Xu¹², Zhiyu Wang¹³, Kunning Yang¹⁴, Yun Fan¹⁵, Wenting Li¹⁶, Michelle Xia¹⁶

¹Sun Yat-sen University Cancer Center, Guangzhou, China; ²Hunan Cancer Hospital, Changsha, China; ³Yunnan Cancer Hospital, Kunming, China; ⁴Fujian Provincial Tumor Hospital, Fuzhou, China; ⁵The Second Hospital of Anhui Medical University, Hefei, China; ⁶The First Affiliated Hospital of Zhengzhou University, Zhengzhou, China; ⁷Tianjin Medical University Cancer Institute&Hospital, Tianjin, China; ⁸Renmin Hospital of Wuhan University, Wuhan, China; ⁹Mianyang Central Hospital, Mianyang, China; ¹⁰Shandong Cancer Prevention and Treatment Institute, Jinan, China; ¹¹The First Affiliated Hospital of Nanchang University, Nanchang, China; ¹³The Fourth Hospital of Hebei Medical University, Shijiazhuang, China; ¹⁴Weifang No.2 People's Hospital, Weifang, China; ¹⁵Zhejiang Cancer Hospital, Hangzhou, China; ¹⁶Akeso Biopharma, Inc., Zhongshan, China



HARMONi-A Phase III Trial Design



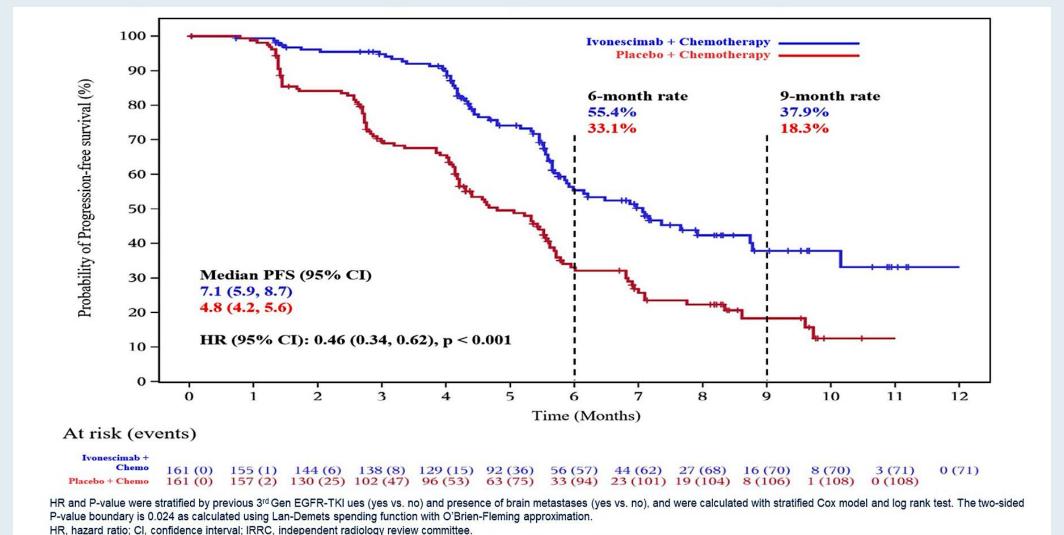
Endpoints

- Primary: Progression-free survival by independent radiologic review committee (IRRC)
- Secondary: Overall survival, Response rate, Duration of response, Time to response and Safety

ClinicalTrials.gov, NCT05184712; NSCLC, non-small cell lung carcinoma; EGFR, epidermal growth factor receptor; ECOG, Eastern Cooperative Oncology Group; TKI, tyrosine-kinase inhibitor; Q3W, every 3 weeks.



HARMONi-A Primary Endpoint: Progression-Free Survival (PFS) with Ivonescimab and Chemotherapy for Patients with EGFR Mutation-Positive NSCLC and Disease Progression on EGFR TKIs





HARMONi-A: Adverse Events of Special Interest

Categories	Ivonescimab + Chei	motherapy (N=161)	Placebo + Chemotherapy (N=161)			
Preferred Term, n(%)	Any grade	Grade ≥ 3	Any grade	Grade ≥ 3		
AESI	48 (29.8)	5 (3.1)	25 (15.5)	4 (2.5)		
Proteinuria	28 (17.4)	1 (0.6)	13 (8.1)	0		
Haemorrhage	11 (6.8)	0	8 (5.0)	0		
Urinary occult blood positive	4 (2.5)	0	3 (1.9)	0		
Haemoptysis	2 (1.2)	0	0	0		
Epistaxis	3 (1.9)	0	1 (0.6)	0		
Mouth haemorrhage	1 (0.6)	0	0	0		
Gastrointestinal haemorrhage	0	0	1 (0.6)	0		
Gingival bleeding	1 (0.6)	0	0	0		
Eye haemorrhage	1 (0.6)	0	2 (1.2)	0		
Vaginal haemorrhage	0	0	1 (0.6)	0		
Occult blood positive	0	0	1 (0.6)	0		
Hypertension	13 (8.1)	3 (1.9)	5 (3.1)	3 (1.9)		
Arterial thromboembolism	1 (0.6)	0	1 (0.6)	1 (0.6)		
Cardiac failure congestive	1 (0.6)	1 (0.6)	0	0		



Agenda

Introduction: Ivonescimab

Module 1: First-Line Therapy for Metastatic NSCLC without a Targetable Tumor Mutation — Dr Garon

Module 2: Promising Therapeutic Strategies for Patients with Progressive Metastatic NSCLC — Dr Paz-Ares



Dr Garon - Case 1

- 92 year old woman with a prior extensive smoking history and distant history of ER+ Breast Cancer presented with a Chest X-ray obtained in the setting of a COVID infection
- Additional CT scans show evidence of a 4.3 cm RLL lung mass as well as a subcarinal mediastinal lymph node
- Bronchoscopy was performed, and she was found to have an adenocarcinoma involving both the mass and the lymph node
- NGS on the primary revealed no driver mutation and 6.4 mutations per megabase
- PD-L1 on the primary mass was 30% and the lymph nodes was 60%
- MRI Brain comes back with one 5mm and one 7mm metastasis

NSCLC without Actionable Mutations

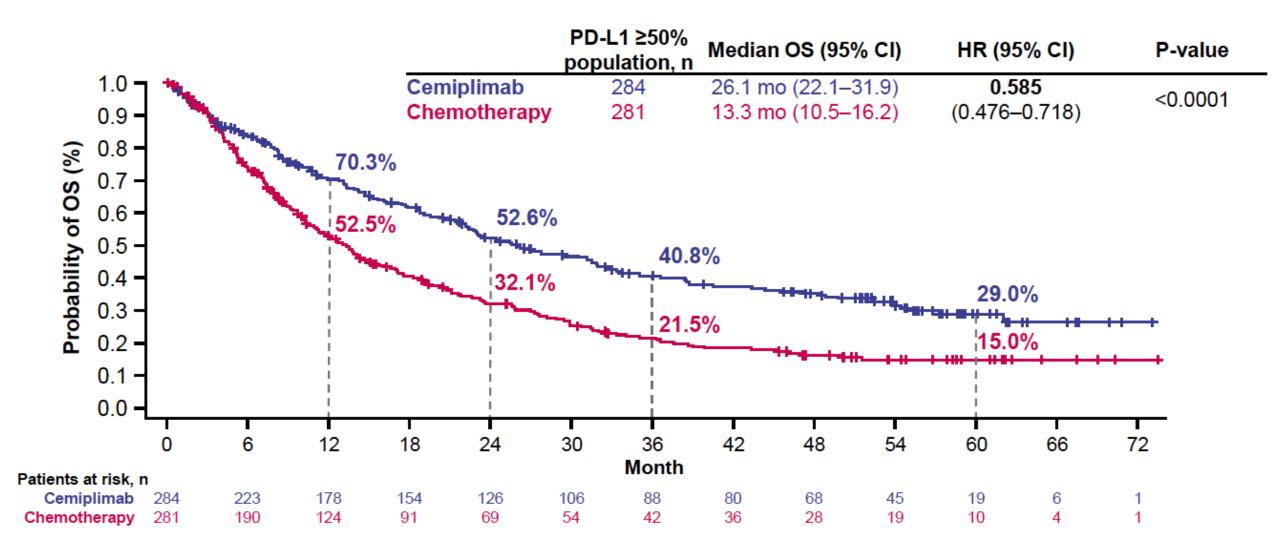
Edward B. Garon, MD, MS

Professor

David Geffen School of Medicine at UCLA

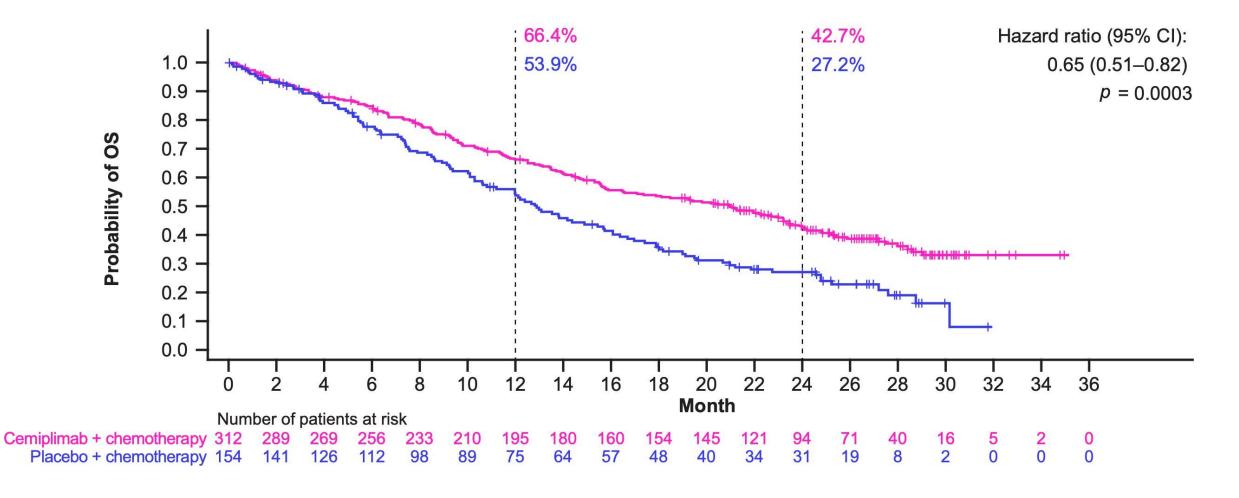
Los Angeles, CA

5-Year Update of EMPOWER-Lung 1

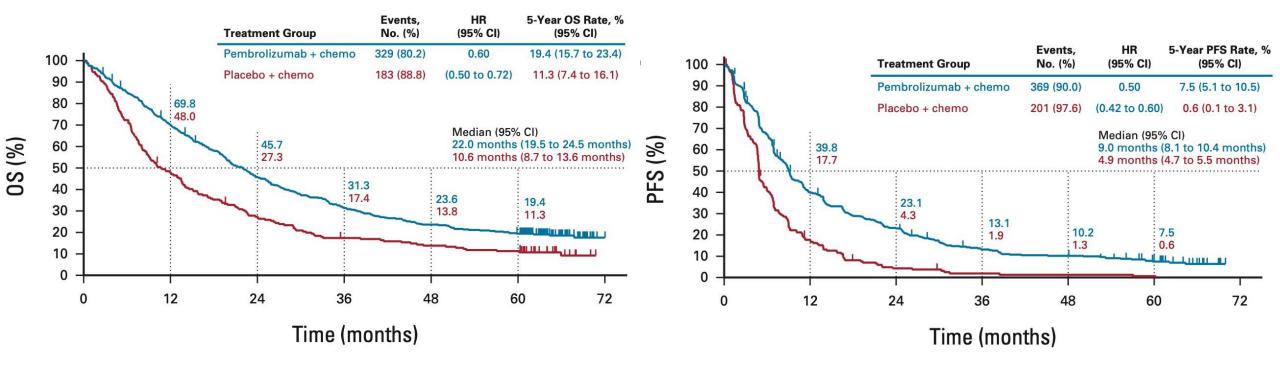


EMPOWER-Lung 3

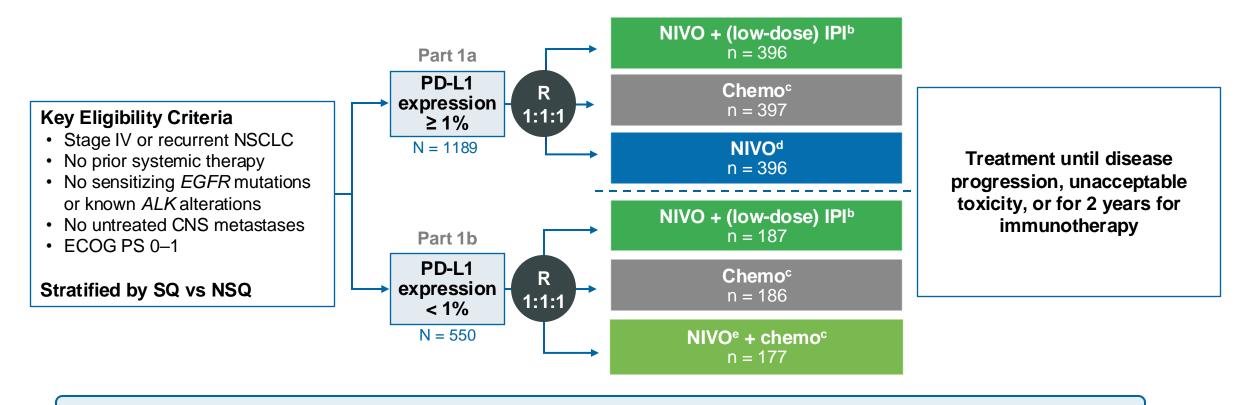
	Median OS (95% CI)
Cemiplimab + chemo	21.1 months (15.9–23.5)
Placebo + chemo	12.9 months (10.6–15.7)



Pembrolizumab + Chemo (5-year outcomes)



CheckMate 227 Part 1 Study Design^a



Independent co-primary endpoints: NIVO + IPI vs chemo

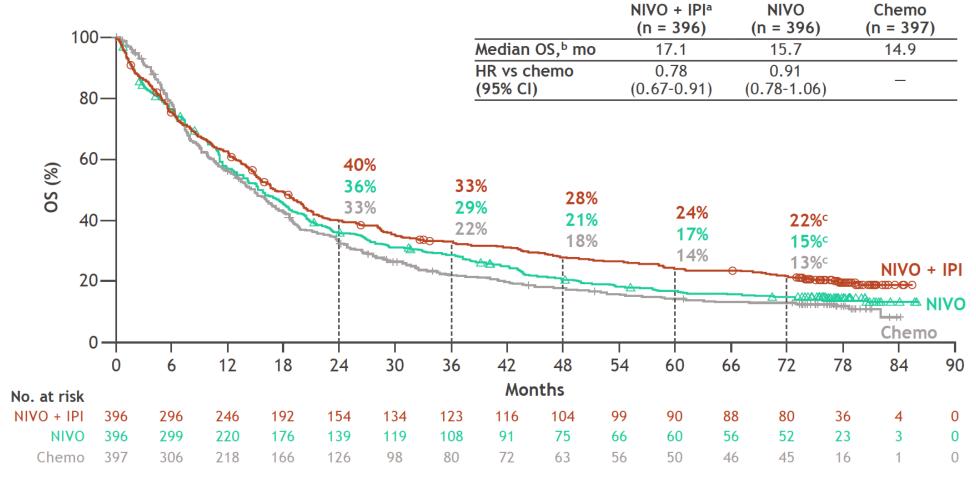
- PFS in high TMB (≥10 mut/Mb) population^f
- OS in PD-L1 ≥ 1% population^g

Secondary endpoints (PD-L1 hierarchy):

•PFS: NIVO + chemo vs chemo in PD-L1 < 1% •OS: NIVO + chemo vs chemo in PD-L1 < 1%

•OS: NIVO vs chemo in PD-L1 ≥ 50%

OS in patients with tumor PD-L1 ≥ 1%

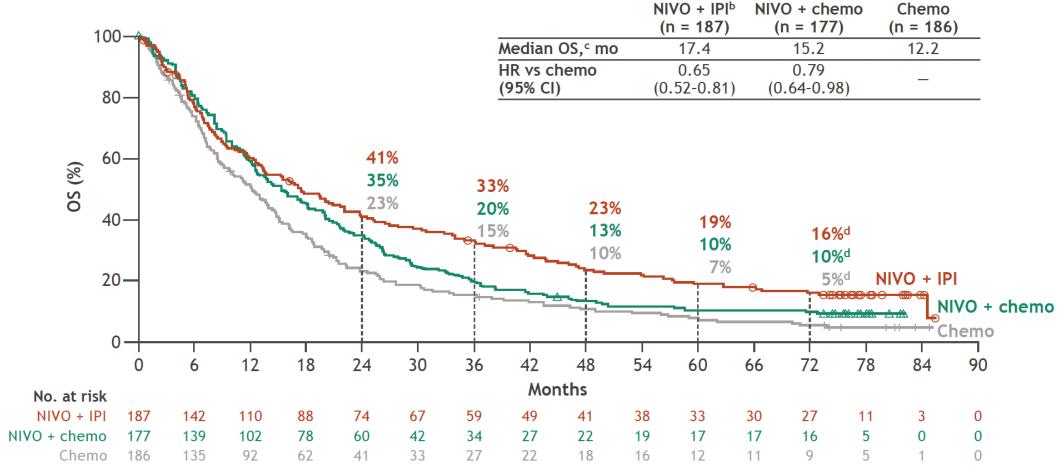


• In an exploratory analysis of OS by histology in patients with tumor PD-L1 ≥ 1%, 6-year OS rates with NIVO + IPI vs chemo were 25% vs 16% (NSQ) and 14% vs 5% (SQ)^d

Minimum/median follow-up for OS: 73.5/78.8 months.

aNIVO + IPI vs NIVO OS HR was 0.86 (95% CI, 0.74-1.01). bMedian OS 95% CIs were 15.0-20.2 (NIVO + IPI), 13.3-18.1 (NIVO), and 12.7-16.7 (chemo). c6-year OS rate 95% CIs were 18-26 (NIVO + IPI), 12-19 (NIVO), and 10-17 (chemo). dNIVO + IPI vs chemo OS HRs were 0.83 (95% CI, 0.68-1.00; NSQ) and 0.70 (95% CI, 0.53-0.92; SQ).

OS in patients with tumor PD-L1 < 1%^a



• In an exploratory analysis of OS by histology in patients with tumor PD-L1 < 1%, 6-year OS rates with NIVO + IPI vs chemo were 15% vs 6% (NSQ) and 18% and 4% (SQ)^e

Minimum/median follow-up for OS: 73.5/78.8 months.

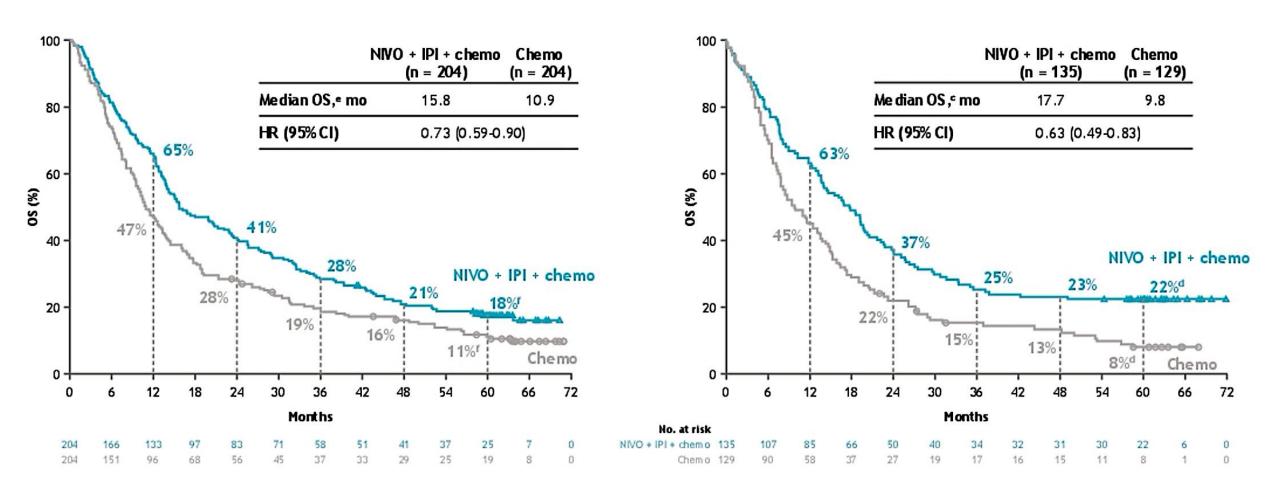
^a6-year OS rates in the combined tumor PD-L1 ≥ 1% and < 1% population were 20% (95% CI, 17-23; NIVO + IPI) and 11% (95% CI, 8-13; chemo). ^bNIVO + IPI vs NIVO + chemo OS HR was 0.80 (95% CI, 0.64-1.00). ^cMedian OS 95% CIs were 13.2-22.0 (NIVO + IPI), 12.3-19.8 (NIVO + chemo), and 9.2-14.3 (chemo). ^d6-year OS rate 95% CIs were 11-22 (NIVO + IPI), 6-15 (NIVO + chemo), and 3-9 (chemo). ^eNIVO + IPI vs chemo OS HRs were 0.69 (95% CI, 0.54-0.89; NSQ) and 0.52 (95% CI, 0.34-0.82; SQ).

CheckMate 9LA: 5-Year Update

OS in subgroups by PD-L1 expression



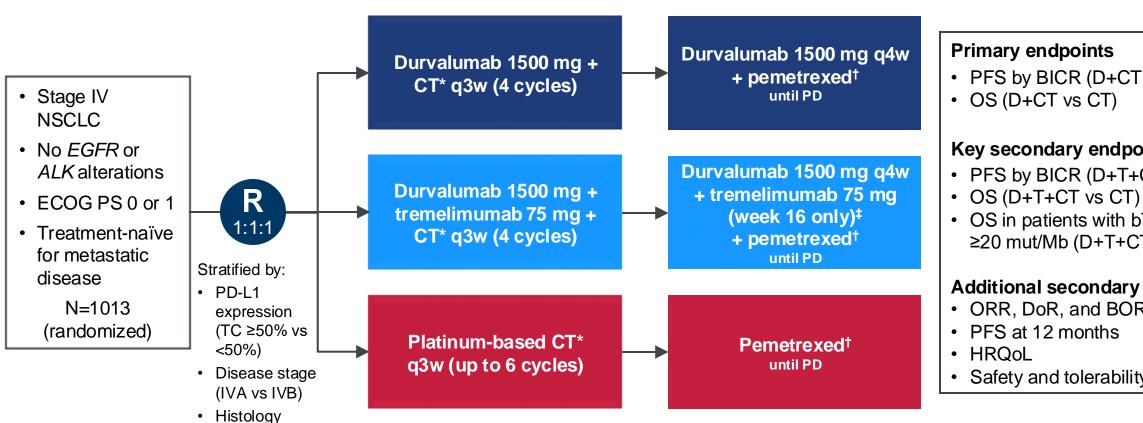
PD-L1 < 1%



Reck M et al. ASCO 2024; Abstract 8560.

POSEIDON Study Design

Phase 3, global, randomized, open-label, multicenter study



PFS by BICR (D+CT vs CT)

Key secondary endpoints

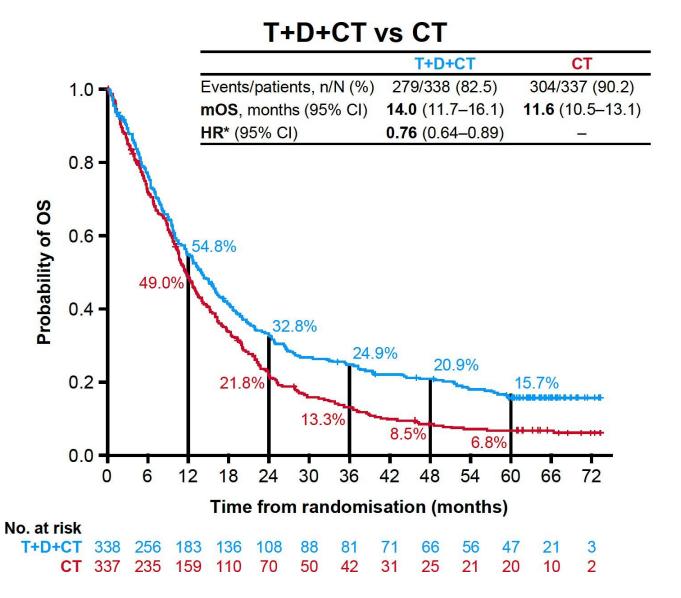
- PFS by BICR (D+T+CT vs CT)
- OS in patients with bTMB ≥20 mut/Mb (D+T+CT vs CT)

Additional secondary endpoints

- ORR, DoR, and BOR by BICR
- Safety and tolerability

*CT options: gemcitabine + carboplatin/cisplatin (squamous), pemetrexed + carboplatin/cisplatin (non-squamous), or nab-paclitaxel + carboplatin (either histology); †Patients with non-squamous histology who initially received pemetrexed during first-line treatment only (if eligible); ‡Patients received an additional dose of tremelimumab post CT (5th dose)

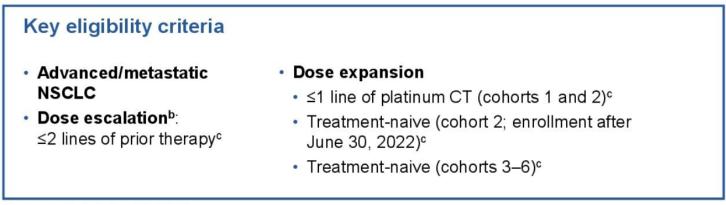
Durvalumab + Tremelimumab + CT vs CT: 5-year OS



Questions?



TROPION-Lung02: Datopotamab deruxtecan (Dato-DXd) plus pembrolizumab +/- chemotherapy as 1L therapy for NSCLC



Data cutoff: October 31, 2023.

1L Patients Only	Dato-DXd Ⅳ Q3W	+	Pembro IV Q3W	+	Platinum CT IV Q3W	
Cohort 1 (n=2):	4 mg/kg	+	200 mg		ıblet	
Cohort 2 (n=40):	6 mg/kg	+	200 mg		ibiet	
Cohort 3 (n=14):	4 mg/kg	+	200 mg	+	carboplatin AUC 5	
Cohort 4 (n=26):	6 mg/kg	•	200 mg	+	carboplatin AUC 5	- Triplet
Cohort 5 (n=8):	4 mg/kg	+	200 mg	+	cisplatin 75 mg/m²	Illpiet
Cohort 6 (n=6):	6 mg/kg	+	200 mg	•	cisplatin 75 mg/m²	

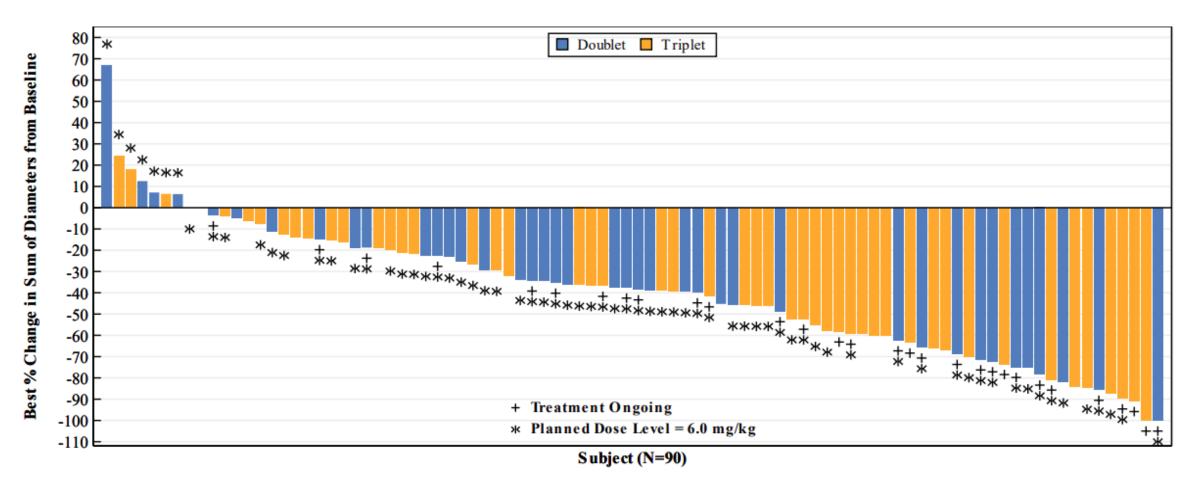
TROPION-Lung02: Datopotamab plus pembrolizumab +/- chemo

Efficacy of	outcomes in 1L	patients, overall and b	v PD-L1 status ^{a,b}
		pationito, o toran and b	<i>y</i>

	All 1L (n=96)		1L PD-L1 <1% (n=34)		1L PD-L1 1–49% (n=42)		1L PD-L1 ≥50% (n=20)	
	Doublet (n=42)	Triplet (n=54)	Doublet (n=18)	Triplet (n=16)	Doublet (n=19)	Triplet (n=23)	Doublet (n=5)	Triplet (n=15)
ORR, n (%)	22 (52)	30 (56)	8 (44)	5 (31)	9 (47)	17 (74)	5 (100)	8 (53)
[95% CI]	[36–68]	[41–69]	[22–69]	[11–59]	[24–71]	[52–90]	[48–100]	[27–79]
BOR , n (%)								
CR	1 (2)	1 (2)	1 (6)	0	0	1 (4)	0	0
PR	21 (50)	29 (54)	7 (39)	5 (31)	9 (47)	16 (70)	5 (100)	8 (53)
SD	15 (36)	18 (33)	8 (44)	10 (63)	7 (37)	3 (13)	0	5 (33)
PD	3 (7)	2 (4)	1 (6)	1 (6)	2 (11)	1 (4)	0	0
NE	2 (5)	4 (7)	1 (6)	0	1 (5)	2 (9)	0	2 (13)
DCR, n (%)	37 (88)	48 (89)	16 (89)	15 (94)	16 (84)	20 (87)	5 (100)	13 (87)
[95% CI]	[74–96]	[77–96]	[65–99]	[70–100]	[60–97]	[66–97]	[48–100]	[60–98]
Median TTR, months	1.4	1.4	1.4	1.5	1.5	1.4	1.4	1.5
[Range]	[1.2-7.0]	[1.2–9.6]	[1.2–6.9]	[1.2–9.6]	[1.2-7.0]	[1.2-7.0]	[1.3–2.8]	[1.2–8.3]
Median DoR, months	NE	12.9	NE	12.9	12.0	14.6	NE	18.1
[95% CI]	[9.7-NE]	[5.7–NE]	NE	[4.1–NE]	[4.2-NE]	[4.2-NE]	[5.5–NE]	[4.1–NE]

Levy BP et al. ASCO 2024

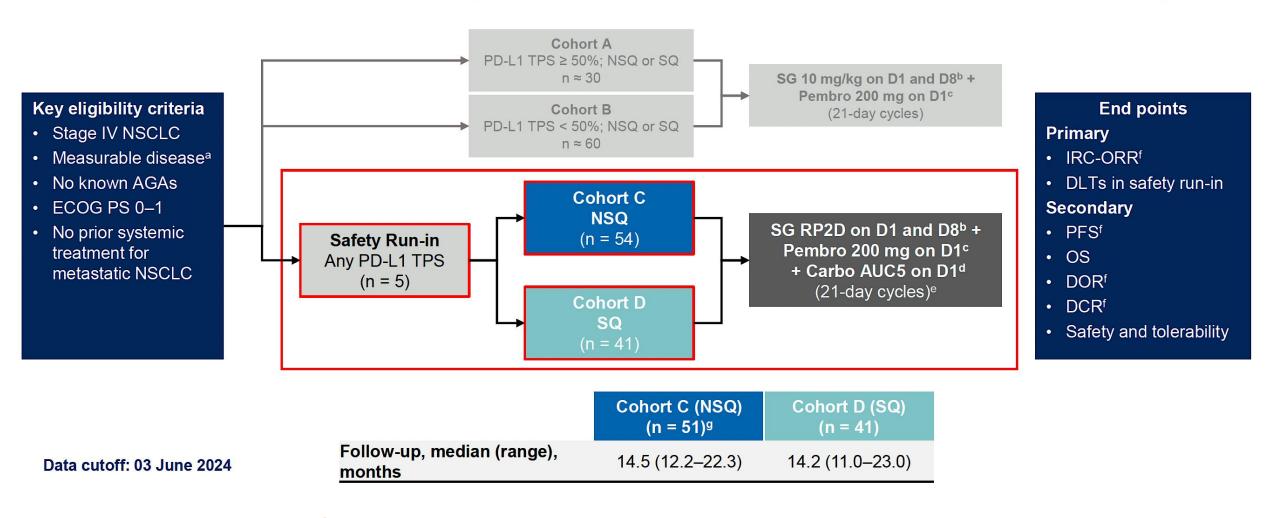
Best Overall Tumor Change From Baseline in 1L Patients- Datopotamab Deruxtecan + IO regimens



Patients with no baseline target lesions or no postbaseline tumor assessments were excluded from the waterfall plot.

Sacituzumab Govitecan + Pembro + Carboplatin in 1L mNSCLC

EVOKE-02: A Global, Open-Label, Multicohort Phase 2 Study

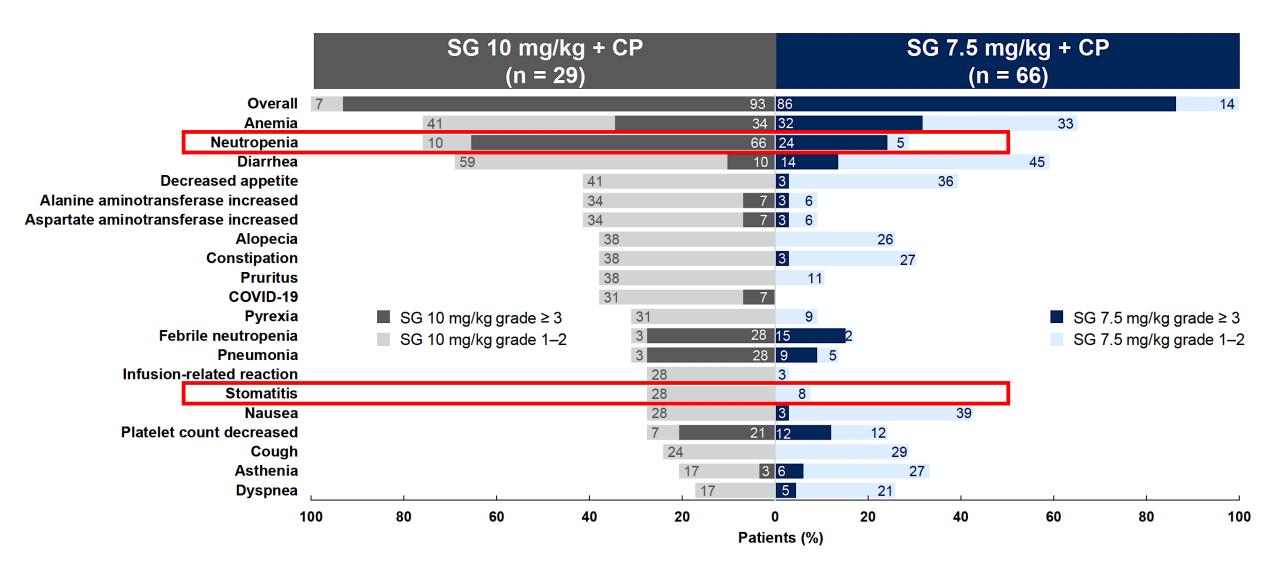


EVOKE-02: Sacituzumab + Pembro + Carboplatin – Efficacy

		Cohort C SG + (n = !	CP	C	ohort D (SQ) SG + CP (n = 41)
Follow-up, median (range), months		14.5 (12.	2–22.3)	14	.2 (11.0–23.0)
ORR, % (95% CI)		45.1 (31.	1–59.7)	39	.0 (24.2–55.5)
Partial response, n (%)		23 (4	5.1)		16 (39.0)
Stable disease, n (%)		16 (3	1.4)		17 (41.5)
Progressive disease, n (%)		5 (9	.8)		3 (7.3)
Not evaluable, n (%)		7 (13.7)			5 (12.2)
Time to response, median (range), months		2.7 (1.2–7.2)			1.5 (1.2–5.8)
DOR, median (95% CI), months		NR (3.2–NR)		1	1.5 (5.6–NR)
PFS, median (95% CI), months		8.1 (5.2–15.0)		8	3.3 (4.3–11.2)
PFS rate at 6 months, % (95% CI)		53.7 (37.8–67.2)		64	.6 (46.0–78.2)
	PD-L1 TPS < SG + CP (n = 44)		PD-L1 TPS 1–4 SG + CP (n = 36)	9%	PD-L1 TPS ≥ 50% SG + CP (n = 12)
ORR, % (95% CI)	43.2 (28.3–5	9.0)	33.3 (18.6–51.0	0)	66.7 (34.9–90.1)
Partial response, n (%)	19 (43.2)		12 (33.3)		8 (66.7)
Stable disease, n (%)	15 (34.1)		16 (44.4)		2 (16.7)
Progressive disease, n (%)	3 (6.8)		4 (11.1)		1 (8.3)
Not evaluable, n (%)	7 (15.9)		4 (11.1)		1 (8.3)
PFS, median (95% CI), months	8.3 (5.2–15	.0)	6.8 (4.0–10.7)		NR (1.9–NR)

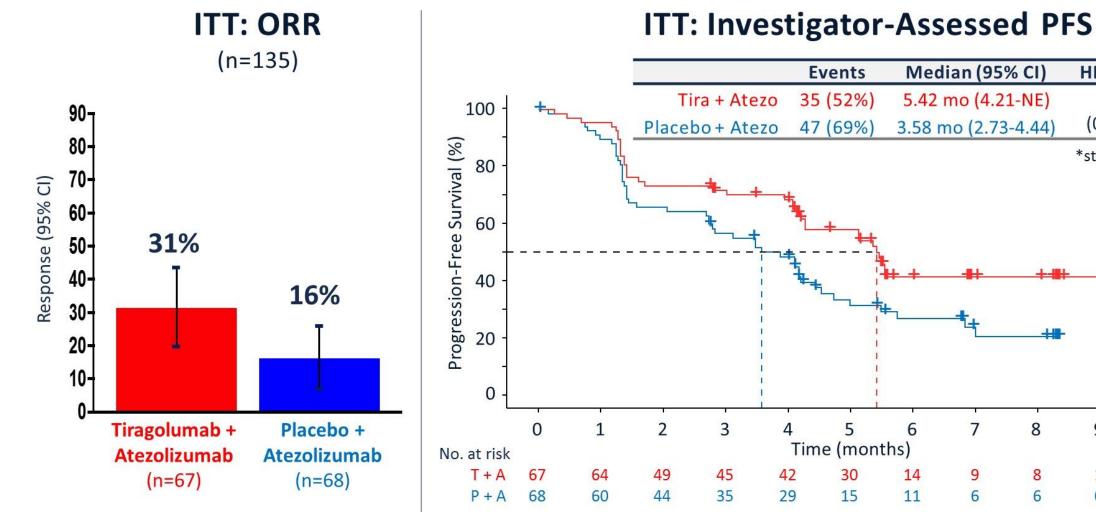
Gray et al. WCLC24; Abstract OA-08-07.

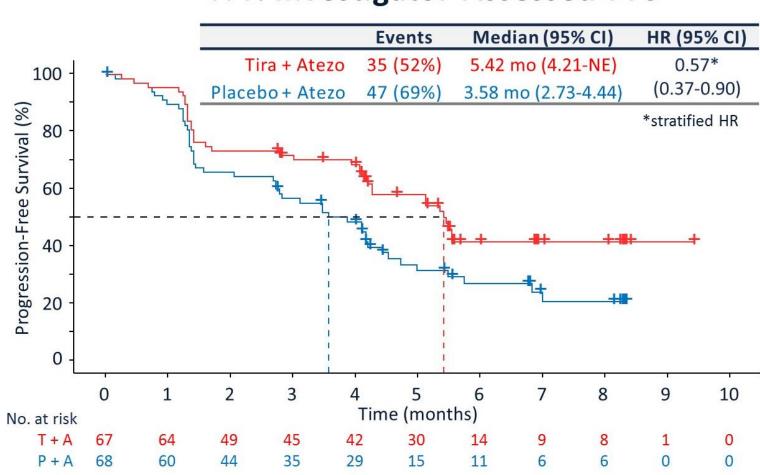
EVOKE-02: Sacituzumab + Pembro + Carboplatin – Safety



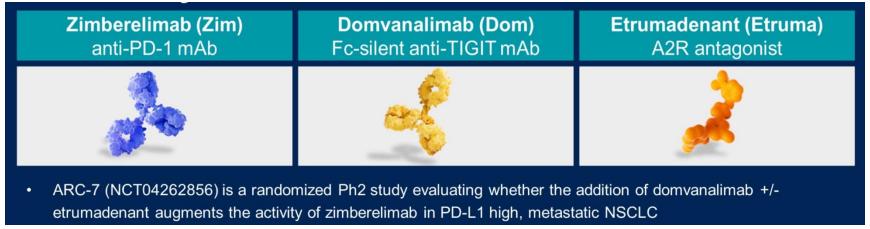
Gray et al. WCLC24; Abstract OA-08-07.

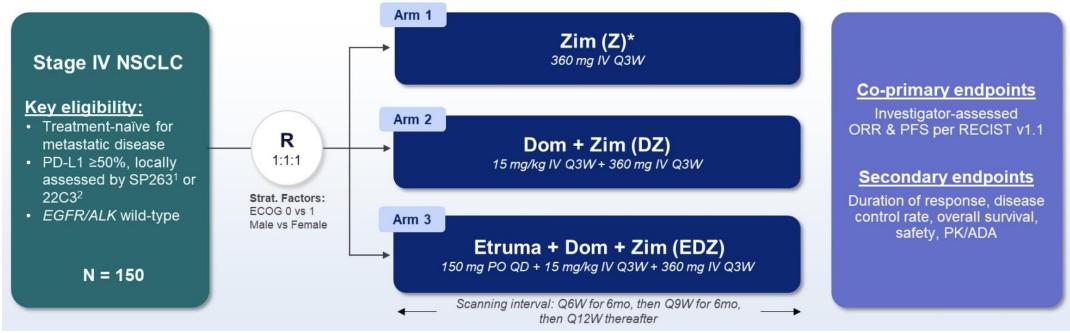
Tiragolumab (Anti-TIGIT) + Atezolizumab





ARC-7: Phase 2 study of domvanalimab + zimberelimab ± etrumadenant vs. zimberelimab in 1L, metastatic, PD-L1-high NSCLC





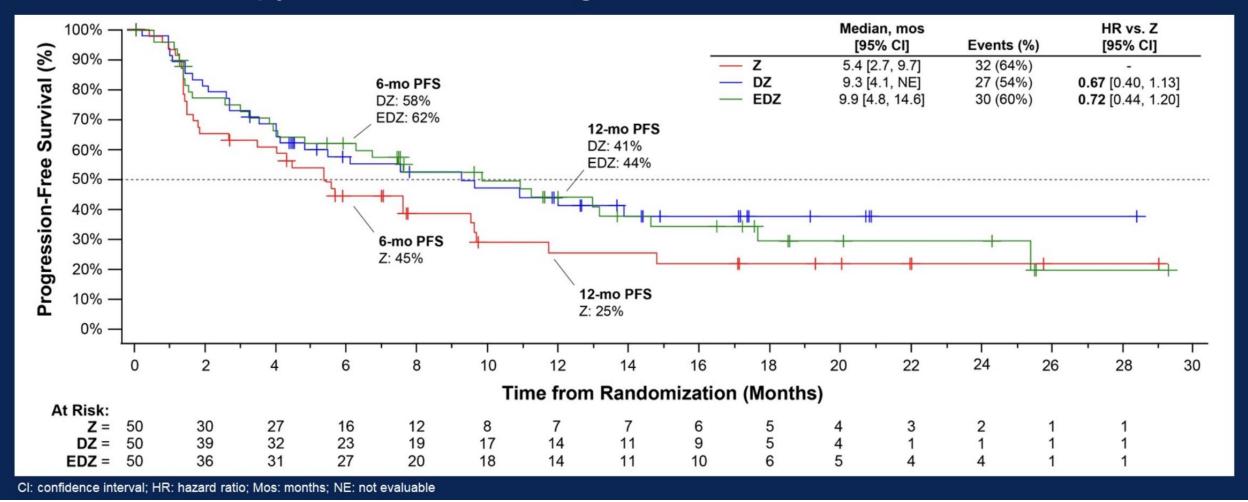
Johnson M et al. ASCO 2023; Abstract 397600.

ARC-7: Domvanalimab + zimberelimab ± etrumadenant vs. zimberelimab in 1L, metastatic, PD-L1-high NSCLC – Response

Arm 1 (Z) (n=50)	Arm 2 (DZ) (n=50)	Arm 3 (EDZ) (n=50)
15 (30%) [17.9%, 44.6%]	20 (40%) [26.4%, 54.8%]	22 (44%) [30%, 58.7%]
1 (2%)	1 (2%)	0 (0%)
14 (28%)	18 (36%)	22 (44%)
0 (0%)	1 (2%)	0 (0%)
16 (32%)	18 (36%)	16 (32%)
12 (24%)	4 (8%)	7 (14%)
7 (14%)	8 (16%)	5 (10%)
	(n=50) 15 (30%) [17.9%, 44.6%] 1 (2%) 14 (28%) 0 (0%) 16 (32%) 12 (24%)	(n=50) (n=50) 15 (30%) 20 (40%) [17.9%, 44.6%] [26.4%, 54.8%] 1 (2%) 1 (2%) 14 (28%) 18 (36%) 0 (0%) 1 (2%) 16 (32%) 18 (36%) 12 (24%) 4 (8%)

ARC-7: Domvanalimab + zimberelimab ± etrumadenant vs. zimberelimab in 1L, metastatic, PD-L1-high NSCLC – PFS

Zim Monotherapy vs. Dom-containing arms



ARC-7: Domvanalimab + zimberelimab ± etrumadenant vs. zimberelimab in 1L, metastatic, PD-L1-high NSCLC – Safety

mITT, n (%)	Arm 1 (Z) (n=50)	Arm 2 (DZ) (n=50)	Arm 3 (EDZ) (n=50)
Any TEAEs	50 (100%)	49 (98%)	49 (98%)
Grade ≥3 TEAE	32 (64%)	23 (46%)	30 (60%)
Grade 5, related to study treatment*	1 (2%)	1 (2%)	2 (4%)
Serious TEAE	28 (56%)	17 (34%)	26 (52%)
TEAEs leading to study drug discontinuation	14 (28%)	9 (18%)	9 (18%)
Immune-related TEAE	24 (48%)	25 (50%)	33 (66%)
Infusion-related Reactions	2 (4%)	2 (4%)	6 (12%)
Median Treatment Duration, weeks (range)	16.9 (0, 103)	26.2 (0, 130)	36.1 (2, 130)

Designation of immune-related TEAEs based on basket of Preferred Terms. TEAE: treatment-emergent adverse event; *Per Physician assessment

- Most common TEAEs (≥15% overall) were nausea, fatigue, constipation, dyspnea, pneumonia, decreased appetite and diarrhea. Grade ≥3 events occurring in ≥5% of patients were pneumonia (12%) and anemia (7%)
- Most common immune-related TEAEs (>10% overall) were rash (13%), pneumonitis (11%), and pruritus (11%)
 - No clear increase in rates of pneumonitis in dom-containing arms compared to zim alone

Questions?



Dr Garon - Case 2

- 64 year old man with a long smoking history
- Presents with hemoptysis
- Imaging shows an 8.5 cm mass in the lung along with bilateral adrenal nodules and bone metastases
- Biopsy shows squamous cell carcinoma of the lung
- PD-L1 <1%, TMB 7.3 mut/MB
- No targetable mutation, but STK11 mutation

Agenda

Introduction: Ivonescimab

Module 1: First-Line Therapy for Metastatic NSCLC without a Targetable Tumor Mutation — Dr Garon

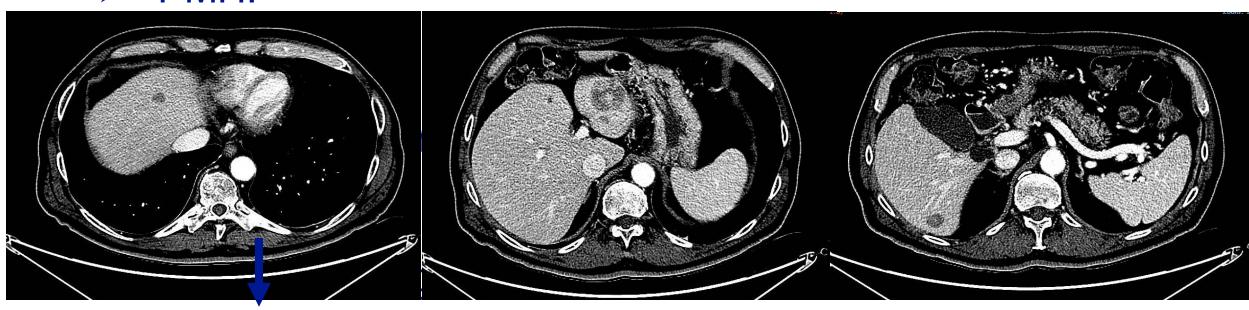
Module 2: Promising Therapeutic Strategies for Patients with Progressive Metastatic NSCLC — Dr Paz-Ares



- 68 yo male
- > PMH:
 - Active smoker (60 y/p)
 - > COPD
- January 2021
 - Right lung nodule (RML)
 - Lobectomy (RML) + Mediastinal Lymphadenectomy (R0)
 - Large Cell Carcinoma
 - > pT2 (1,7 cm; pleura) pN0 M0
- Follow Up

- 68 yo male
- > PMH:
 - Active smoker (60 y/p)
 - > COPD
- January 2021-
 - > Resected stage I LCC
- May 2021
 - Liver relapse (Histologically confirmed)
 - > Platin-Pemetrexed-Nivolumab-Experimental IO x 1 year (SD)
- > June 2022
 - Brain and Liver relapse
 - Holocraneal radiation

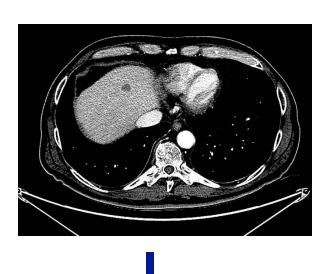
- > 68 yo male
- > PMH:



- May 2021
 - Liver relapse (Histologically confirmed)
 - Platin-Pemetrexed-Nivolumab-Experimental IO x 1 year (SD)
- > June 2022
 - > Brain and Liver relapse
 - > Holocraneal radiation

What would you do?

July 2022

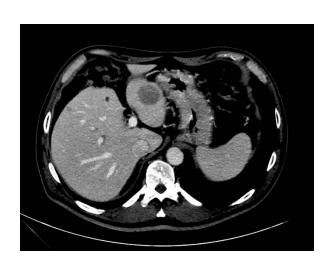














Follow Up

- 32 cycles up to August 22, 2024
- Ongoing SD
- 2 dose reductions due to (neutropenia)
- Safety: G1 diarrhea, Nausea and Grade 4 neutropenia











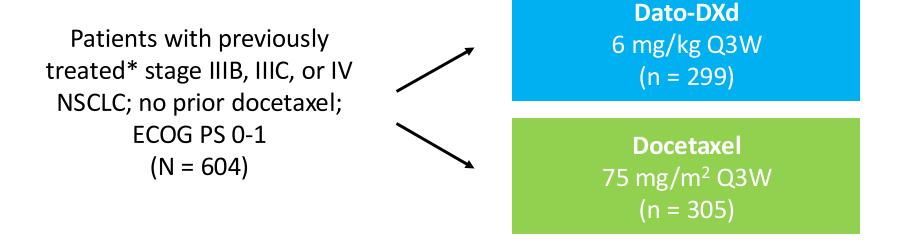
Promising Therapeutic Strategies for Patients with Progressive Metastatic NSCLC

Luis Paz-Ares

Hospital Universitario 12 de Octubre Madrid, Spain

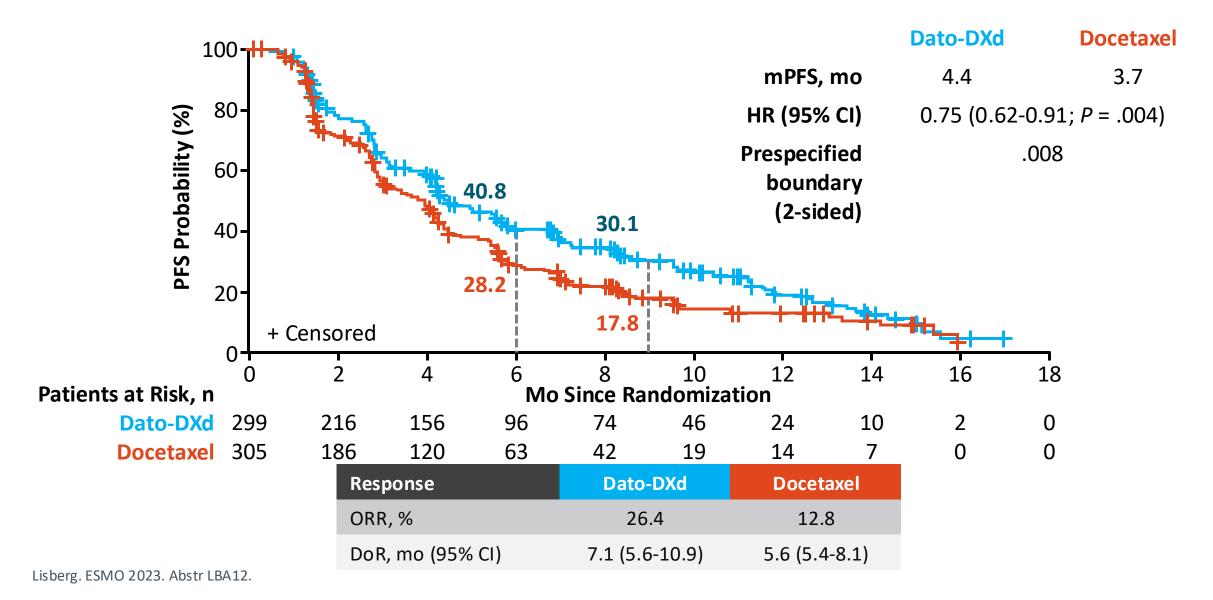
TROPION-Lung01: Dato-DXd vs Docetaxel in Previously Treated Advanced NSCLC With or Without AGAs

Global, randomized, open-label phase III trial

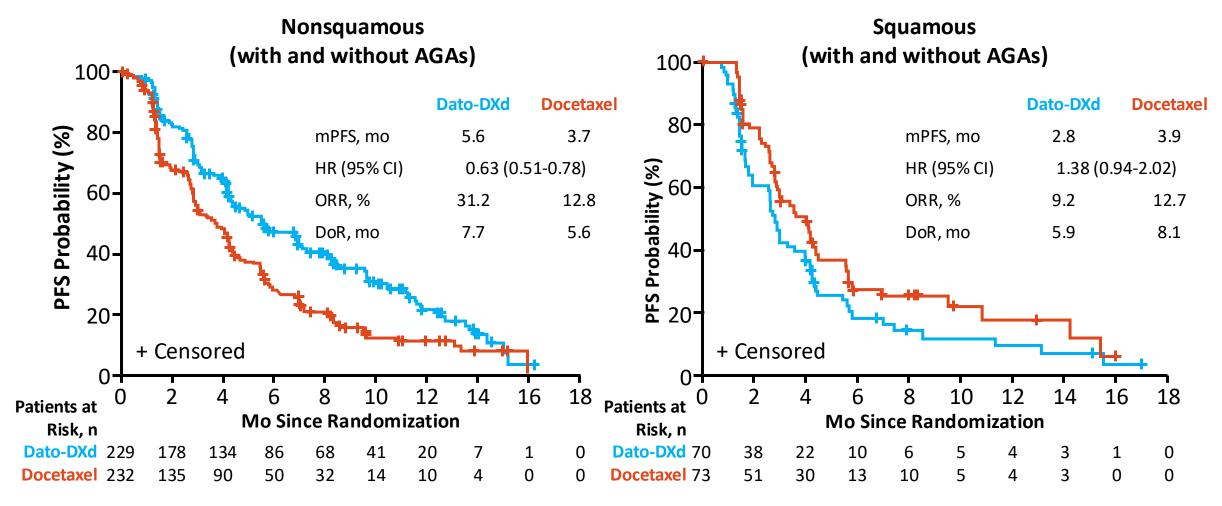


- Dual primary endpoints: PFS (BICR), OS
- Secondary endpoints: ORR (BICR), DoR (BICR), safety

TROPION-Lung01: Efficacy in ITT Population



TROPION-Lung01: Efficacy by Histology

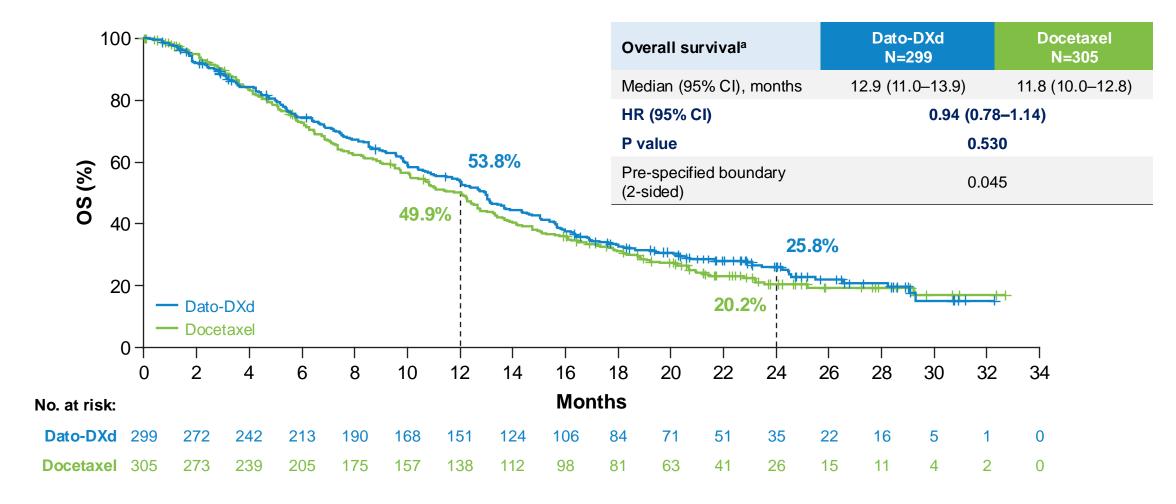


HR for PFS for nonsquamous without AGAs: 0.71 (0.56-0.91)



Overall survival: ITT





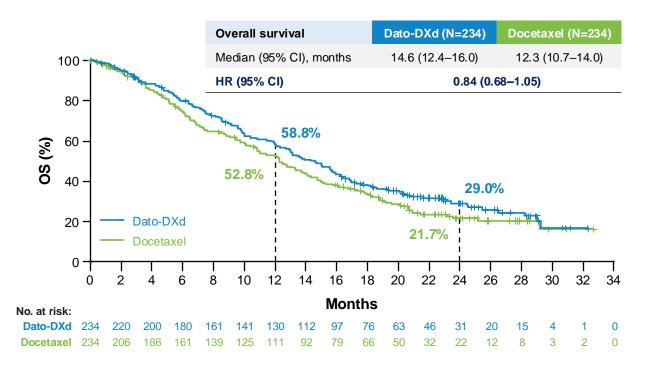
^aMedian (95% CI) OS follow-up was 23.1 (22.0, 24.8) months for Dato-DXd and 23.1 (21.7, 24.2) months for docetaxel. ^bAt primary OS analysis (data cutoff: March 1, 2024), 433 OS events (IF) were observed. CI, confidence interval; Dato-DXd, datopotamab deruxtecan; HR, hazard ratio; IF, information fraction; ITT, intention to treat; OS, overall survival.



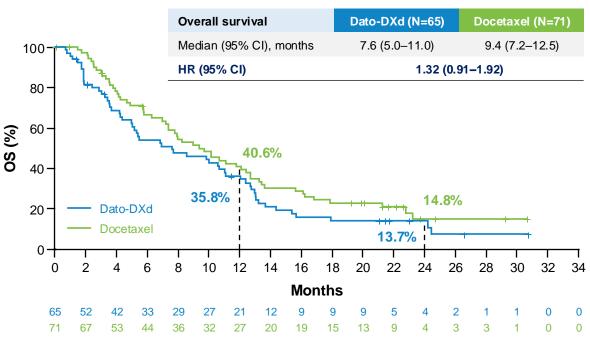
Overall survival by histology



Nonsquamous



Squamous



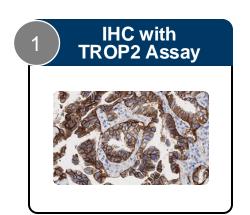
- In patients with NSQ histology, 16% risk reduction for death and 2.3-month improvement in median OS with Dato-DXd
- OS improvements were seen regardless of actionable genomic alteration statusa:
 - Present: 15.6 vs 9.8 months (HR [95% CI], 0.65 [0.40–1.08]); Absent: 13.6 vs 12.3 months (HR [95% CI], 0.89 [0.70–1.13])

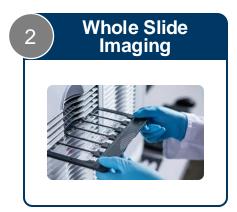
Data cutoff: March 1, 2024.

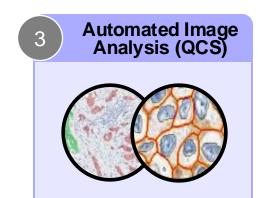
^aPercentages are based on the number of patients in the respective actionable genomic alteration subsets. Values were calculated based on patient data in the electronic case report forms. CI, confidence interval; Dato-DXd, datopotamab deruxtecan; HR, hazard ratio; NSQ, nonsquamous; OS, overall survival.

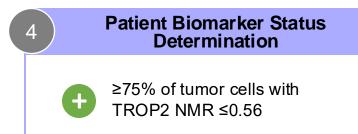
TROP2 Normalized Membrane Ratio (NMR) measured by Quantitative Continuous Scoring (QCS)

QCS is a novel, fully-supervised computational pathology approach that precisely quantifies and locates targets like TROP2



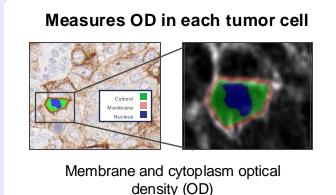


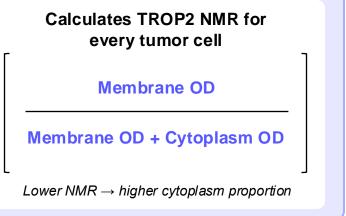




<75% of tumor cells with TROP2 NMR ≤0.56

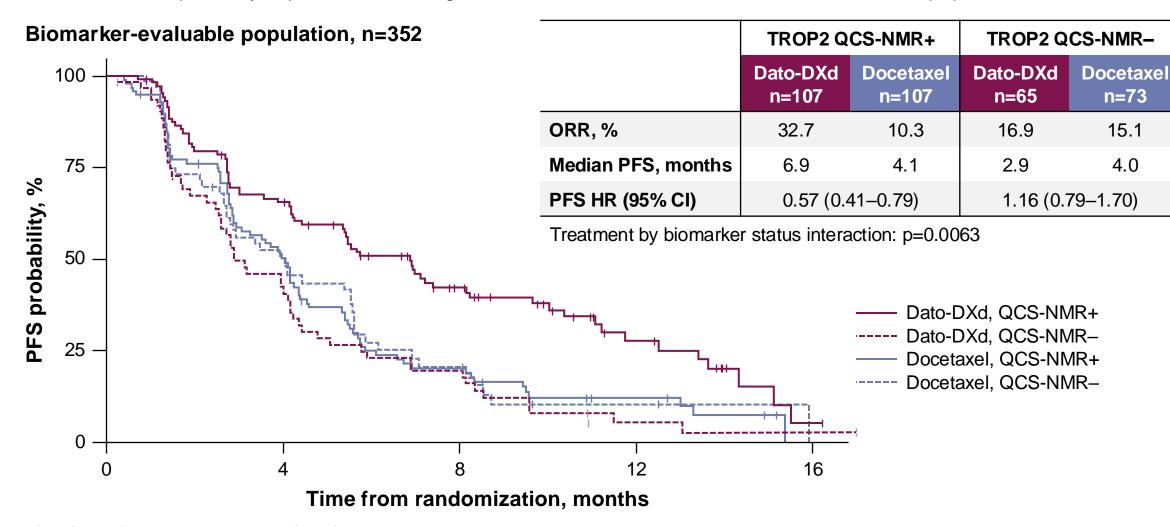






Efficacy by TROP2 QCS-NMR Status

TROP2 QCS-NMR positivity is predictive for longer PFS with Dato-DXd in the biomarker-evaluable population



Questions?



EVOKE-01: Sacituzumab Govitecan vs Docetaxel in Adv NSCLC Previously Treated With Platinum and ICI

Open-label, multicenter, randomized phase III trial^{1,2}

Stratified by histology (sq vs nonsq), response to last prior immune therapy (PD/SD vs CR/PR), receipt of prior targeted therapy for AGA (yes vs no)

Adults with stage IV NSCLC with radiographic PD after platinum-based CT and ICI therapy; ≥1 targeted tx for AGAs; testing for EGFR, ALK, PD-L1 required, testing for other AGAs recommended; ECOG PS 0/1; no active CNS metastases and/or carcinomatous meningitis (N = 520)

Sacituzumab Govitecan
10 mg/kg IV on Day 1, 8
21-day cycle

Docetaxel
75 mg/m² IV on Day 1
21-day cycle

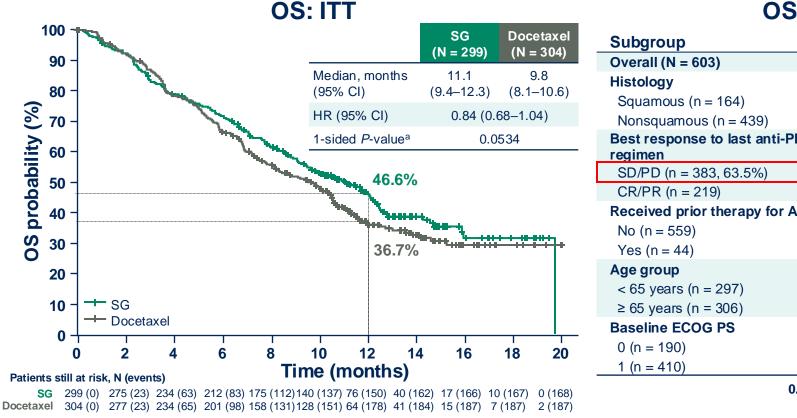
Tx continued until PD or unacceptable toxicity.

EVOKE-01 did not meet its primary endpoint of OS, but did show numerical improvement, including in both nonsq and sq disease as well as those nonresponsive to last prior therapy³

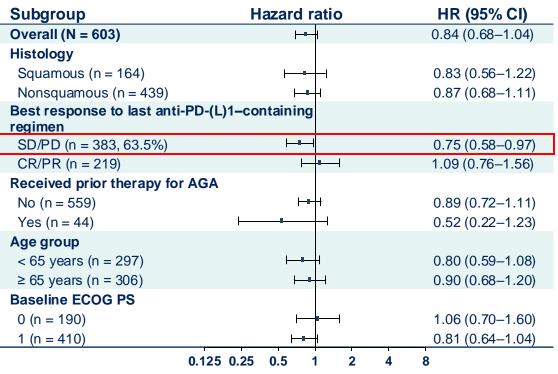
- Primary endpoint: OS
- Secondary endpoints: PFS, ORR, DoR, DCR by inv per RECIST v1.1, safety, QoL
- 1. Garassino. ASCO 2023. Abstr TPS9149. 2. NCT05089734.
- 3. Press release (Jan 22, 2024); data presentation at upcoming medical meeting awaited.

Background: EVOKE-01 Primary Results¹

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



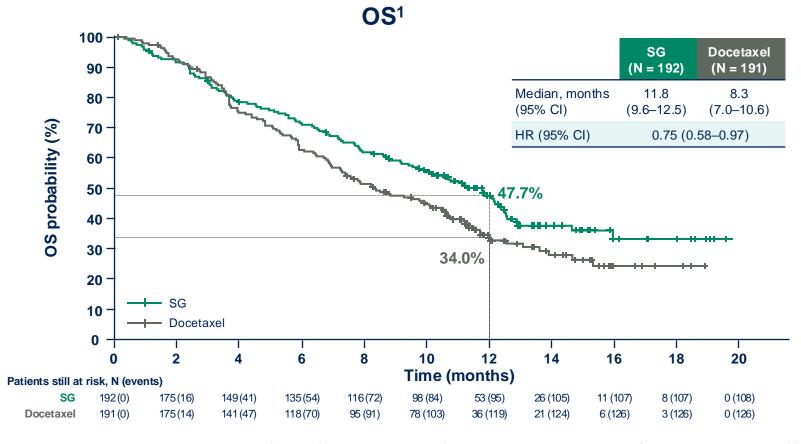
OS: Key Subgroups



a1-sided P-value for significance was P≤0.0223. AGA, actionable genomic alteration; CI, confidence interval; 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. 2024; JCO.24.00733 DOI:10.1200/JCO.24.00733.

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



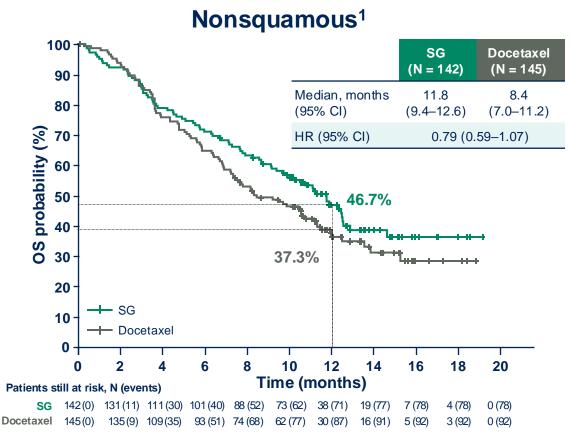
PFS and Response

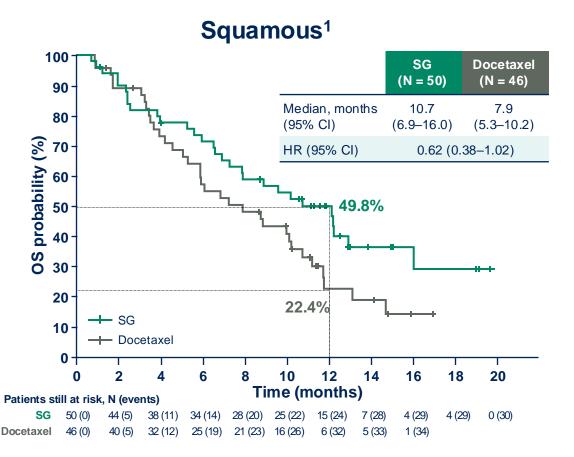
	SG (N = 192)	Docetaxel (N = 191)
Median PFS, ^a months (95% CI)	4.2 (3.0–5.3)	3.7 (2.9–4.2)
HR (95% CI)	0.88 (0.7	0–1.10)
ORR, ^a % (95% CI)	12.5 (8.2–18.0)	16.2 (11.3–22.2)

^aBy investigator assessment per Response Evaluation Criteria in Solid Tumors version 1.1. CI, confidence interval; HR, hazard ratio; ORR, objective response rate; 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. 2024; JCO.24.00733 DOI:10.1200/JCO.24.00733.

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

SG had an OS improvement over docetaxel in both nonsquamous and squamous histologies

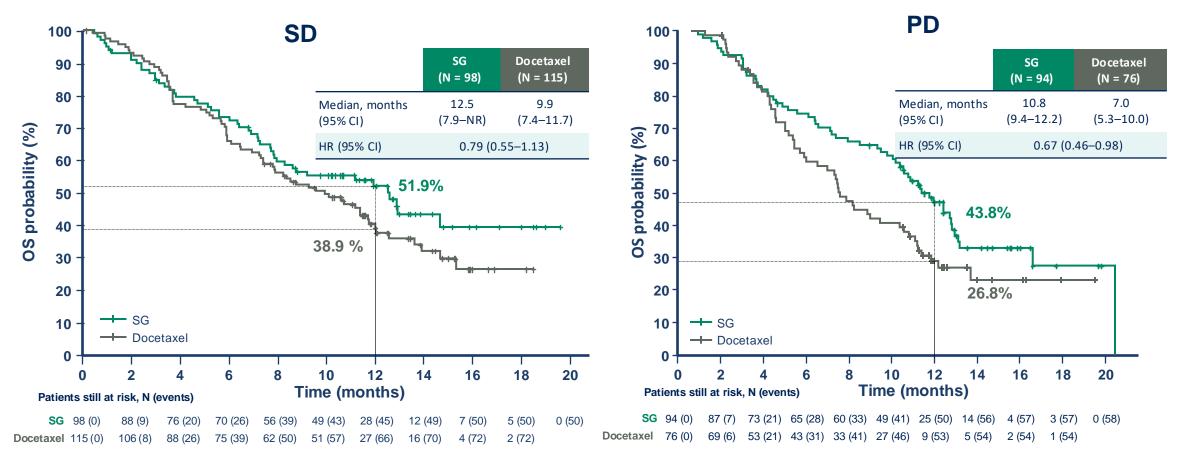




CI, confidence interval; HR, hazard ratio; OS, overall survival; PD, progressive disease; PD-(L)1, programmed death (ligand) 1; SD, stable disease; SG, sacituzumab govitecan. 1. Paz-Ares LG, et al. J Clin Oncol. 2024; JCO.24.00733 DOI:10.1200/JCO.24.00733

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

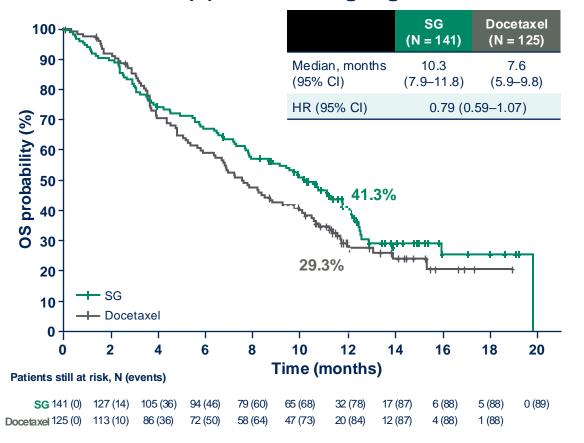
SG had an OS improvement over docetaxel in both SD and PD subgroups



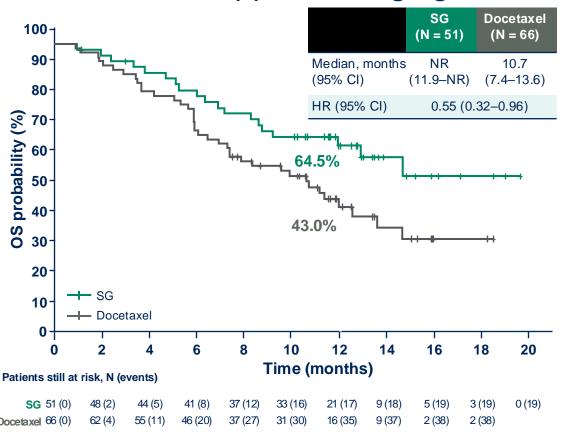
CI, confidence interval; HR, hazard ratio; OS, overall survival; PD, progressive disease; PD-(L)1, programmed death (ligand) 1; SD, stable disease; SG, sacituzumab govitecan.

Overall Survival Analysis: SD/PD to Last Anti-PD-(L)1–Containing Regimen PD or SD (<6 months on treatment) or SD (≥ 6 months on treatment) per SITC criteria^a

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



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



Resistance per SITC-based criteria for immune-checkpoint inhibitor combinations.¹ Patients with PD or SD (<6 months on treatment). Patients with SD (≥6 months on treatment). CI, confidence interval; HR, hazard ratio; NR, not reached; OS, overall survival; PD, progressive disease; PD-(L)1, programmed death (ligand) 1; SD, stable disease. 1. Kluger HM, et al. J Immunother Cancer 2020;8:e000398

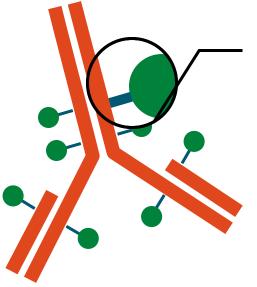
Sacituzumab Tirumotecan (MK-2870; SKB264): TROP2-Targeted ADC

Humanized RS7 Antibody

Targets TROP2

Type: hRS7 lgG1

High affinity targeting



Sulfonyl Pyrimidine-CL2A-Carbonate Linker

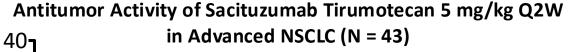
- Irreversible, cysteine conjugation
- High DAR (~7.4:1)
- Designed to balance stability in circulation with intracellular release of payload

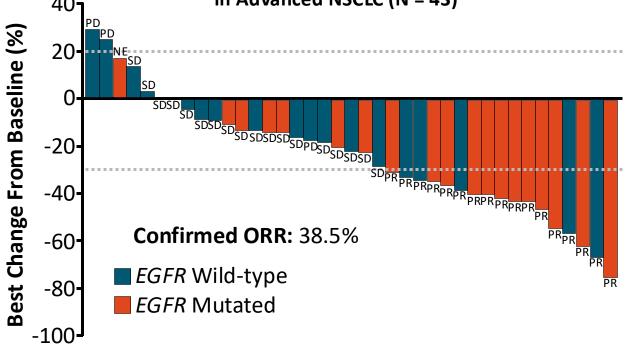
KL610023 (T030) Payload

- Novel topoisomerase I inhibitor (Belotecan-derivative)
- T030 released by hydrolysis
- Moderate cytotoxicity

Bystander effect: In acidic environment, carbonate linker releases T030 from anti-TROP2 antibody and diffuses into neighboring TROP2-negative cells

Phase I/II MK-2870-001 Trial: NSCLC Cohort





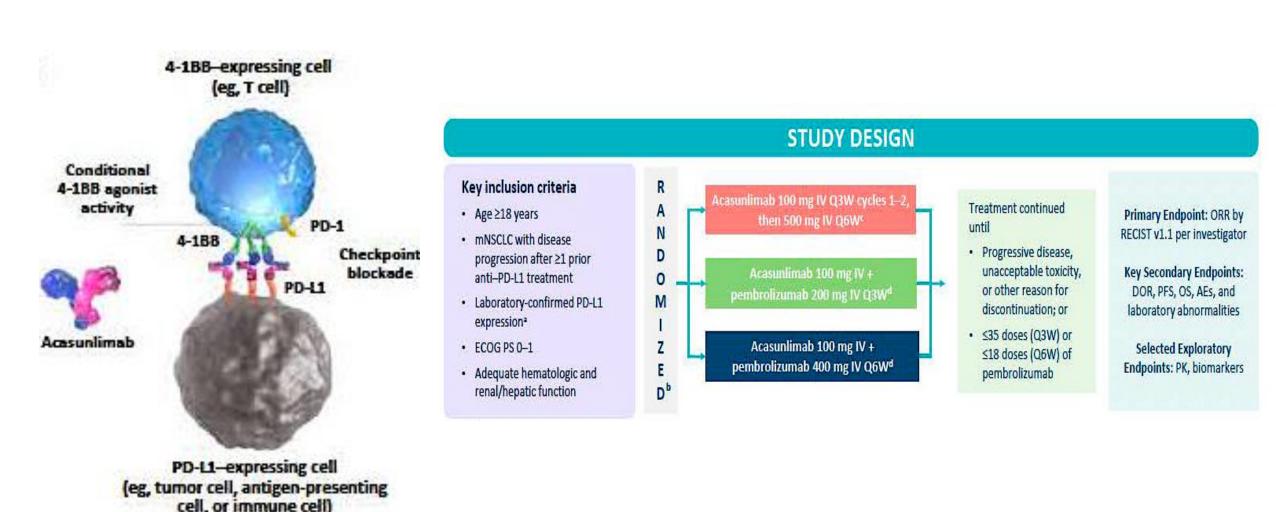
Response, %	<i>EGFR</i> mut (n = 22)	<i>EGFR</i> WT (n = 21)	All NSCLC (N = 43)
ORR	26.3	60.0	43.6
Confirmed ORR	21.1	55.0	38.5

TDAF ~ (0/)	NSCLC Cohort (N = 43)		
TRAE, n (%)	All Grades	≥ Grade 3	
Any TRAE	41 (95.3)	29 (67.4)	
 Associated with dose delay 	21 (48.8)	17 (39.5)	
 Associated with dose reduction 	10 (23.3)	9 (20.9)	
 Associated with discontinuation 	0	0	
Treatment-related serious AE	9 (20.9)	9 (20.9)	
TRAE associated with death	0	0	
TRAE in ≥20% of Patients, n (%)			
Anemia	31 (72.1)	13 (30.2)	
Decreased WBC count	24 (55.8)	10 (23.3)	
Alopecia	23 (53.5)	0	
Decreased neutrophil count	23 (53.5)	14 (32.6)	
Stomatitis	21 (48.8)	4 (9.3)	
Rash	17 (39.5)	3 (7.0)	
Nausea	16 (37.2)	0	
Decreased appetite	15 (34.9)	0	
Vomiting	14 (32.6)	2 (4.7)	
Decreased platelet count	10 (23.3)	1 (2.3)	
Hypoalbuminemia	9 (20.3)	0	

Questions?



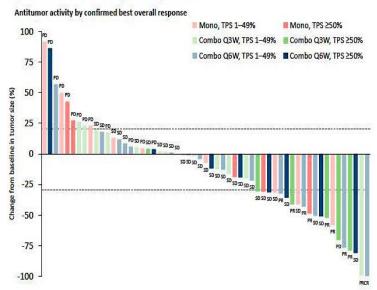
Acasunlimab (DuoBody PD-L1-4-1BB) alone or in combination with Pembrolizumab in pre-treated NSCLC

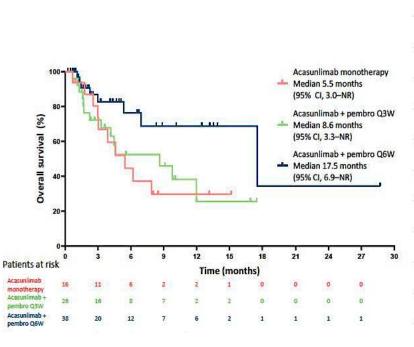


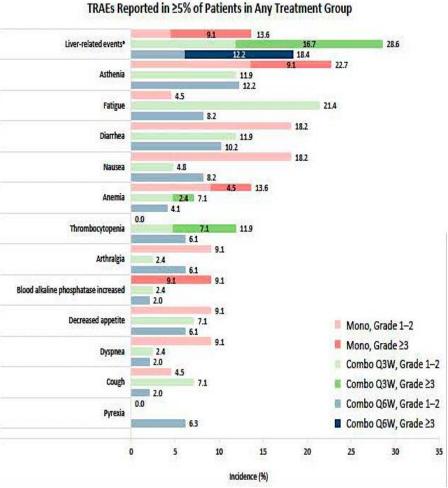
Acasunlimab (DuoBody PD-L1-4-1BB) alone or in combination with Pembrolizumab in pre-treated NSCLC (PD-L1 + subset)

	Acasunlimab Monotherapy	Acasunlimab + Pembro Q3W	Acasunlimab + Pembro Q6W
Unconfirmed ORR, % (n/n)	31.3 (5/16)	20.8 (5/24)	29.6 (8/27)
Confirmed ORR, % (n/n)	12.5 (2/16)	18.2 (4/22)	16.7 (4/24)
Confirmed DCR, % (n/n)	50.0 (8/16)	59.1 (13/22)	75.0 (18/24)
Median DOR, mo (95% CI)	2.0 (1.6-NR)	5.2 (3.5-NR)	NR (NR-NR)
6-month PFS rate, %	0	14	34
12-month OS rate, % (95% CI)	30 (9-54)	26 (6-52)	69 (43-85)

R, not reached. Data cutoff: March 22, 2024. Centrally confirmed PD-L1*patients are shown.



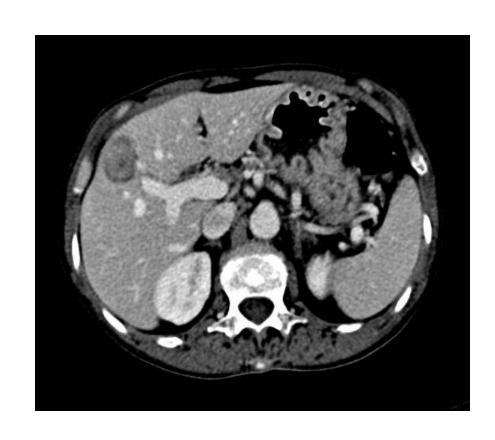


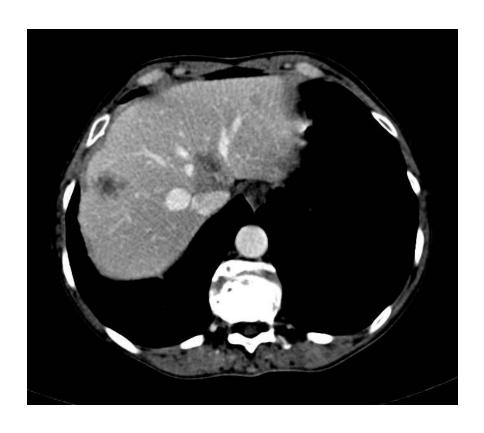


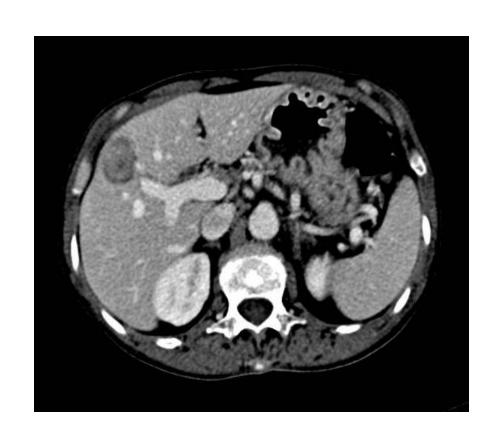
Questions?

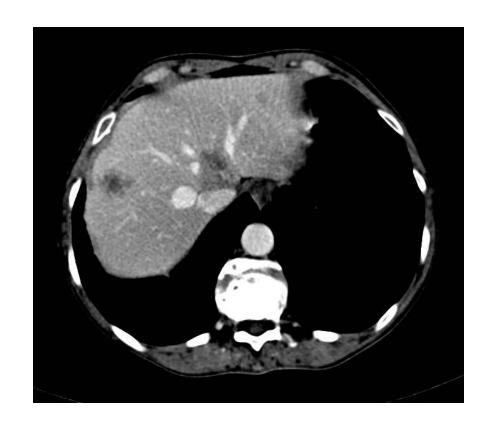


- > 61 yo female
- > PMH:
 - Prior smoker until 2018 (35 y/p)
 - Neurosensorial hypoacusia
- November 2018
 - Lung adenocarcinoma
 - Lobectomy (RUL) + Mediastinal Lymphadenectomy (R0)
 - > Adenocarcinoma; NGS: P53 mutant, EGFR amplification
 - > pT1b (1,2 cm) pN1 M0; PD-L1+ TPS 35%
 - > Adjuvant treatment: Carboplatin-vinorelbine x 4
- March 2021
 - Systemic relapse (Liver, Brain)
 - > WBRT
 - Carboplatin-Pemetrexed-Pembrolizumab x 2: PD (Liver)



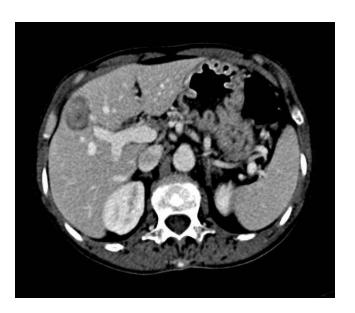


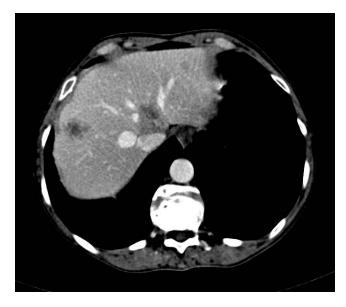




PD to 1L Chemo-IO: What would you do?

June 2021





1

Datopotamab Deruxtecan x 4



October 2021





- Follow Up
 - 19 cycles up to August 22, 2022
 - Safety: G1 mucositis, Nausea and Grade 3 neutropenia







Follow Up

- 19 cycles up to August 22, 2022
- Safety: G1 mucositis, Nausea and Grade 3 neutropenia

Subsequent Therapy

- > August 2022: Paclitaxel-Bevacizumab PR
- > March 2023: Phase I trial PD
- > July 2023: Gemcitabine PD
- > September 2023: Vinorelbine NE
- > Exitus: December 2023

Meet The Professor: Optimizing the Management of Chronic Lymphocytic Leukemia

A CME/MOC-Accredited Live Webinar

Tuesday, September 17, 2024 5:00 PM – 6:00 PM ET

Faculty
Matthew S Davids, MD, MMSc

Moderator Neil Love, MD



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Information on how to obtain CME, ABIM MOC and ABS credit is provided in the Zoom chat room.

Attendees will also receive an email in 1 to 3 business days with these instructions.

