

Overall survival with neoadjuvant nivolumab + chemotherapy in patients with resectable NSCLC in CheckMate 816

Patrick M. Forde, ¹ Jonathan D. Spicer, ² Mariano Provencio, ³ Tetsuya Mitsudomi, ⁴ Mark M. Awad, ⁵ Changli Wang, ⁶ Shun Lu, ⁷ Enriqueta Felip, ⁸ Stephen Broderick, ⁹ Scott J. Swanson, ¹⁰ Julie Brahmer, ⁹ Keith Kerr, ¹¹ Tudor-Eliade Ciuleanu, ¹² Fumihiro Tanaka, ¹³ Gene B. Saylors, ¹⁴ Ke-Neng Chen, ¹⁵ Lily Wang, ¹⁶ Quyen Duong, ¹⁶ Nicolas Girard ¹⁷

'Trinity St. James's Cancer Institute, Trinity College Dublin, Dublin, Ireland; 'McGill University Health Centre, Montreal, Quebec, Canada; 'Hospital Universitario Puerta de Hierro, Madrid, Spain; 'Kindai University Faculty of Medicine, Ohno-Higashi, Osaka-Sayama, Japan; 'Memorial Sloan Kettering Cancer Center, New York, NY, USA; 'Tianjin Lung Cancer Center, Tianjin Medical University Cancer Institute & Hospital, Tianjin, China; 'Shanghai Lung Cancer Center, Shanghai Chest Hospital, Shanghai Jiao Tong University, Shanghai, China; 'Vall d'Hebron University Hospital, Vall d'Hebron Institute of Oncology, Universitat Autônoma de Barcelona, Barcelona, Spain; 'The Bloomberg-Kimmel Institute for Cancer Immunotherapy, The Sidney Kimmel Comprehensive Cancer Center, Johns Hopkins Medicine, Baltimore, MD, USA; 'I'Brigham and Women's Hospital, Boston, MA, USA; 'I'Aberdeen Royal Infirmary, Aberdeen, United Kingdom; 'I'Institutul Oncologic Prof Dr Ion Chiricuţã and University of Medicine and Pharmacy Iuliu Haţieganu, Cluj-Napoca, Romania; 'I'The University of Occupational and Environmental Health, Kitakyushu, Japan; 'I'Charleston Oncology, Charleston, SC, USA; 'State Key Laboratory of Molecular Oncology, Peking University Cancer Hospital & Institute, Beijing, China; 'Meristol Myers Squibb, Princeton, NJ, USA; 'I'Institut du Thorax Curie-Montsouris, Institut Curie, Paris, France

Abstract number LBA8000

Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.

1

CheckMate 816: 5-y OS final analysis

Key takeaways

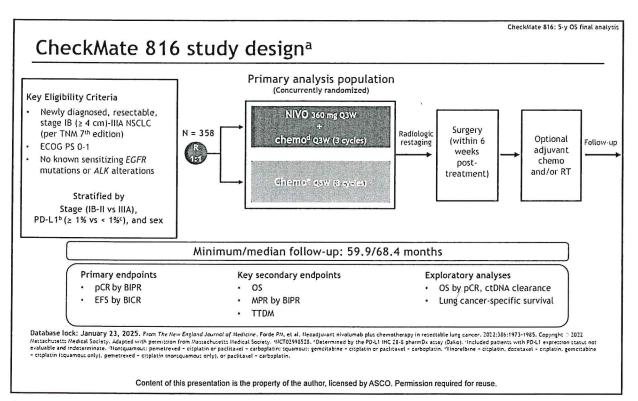
- In this preplanned final, 5-year analysis from CheckMate 816, neoadjuvant NIVO + chemo demonstrated a statistically significant and clinically meaningful OS benefit vs chemo
 - –NIVO + chemo continued to demonstrate benefit in lung cancer specific-survival vs chemo
- Durable, long-term EFS benefit was observed with NIVO + chemo
- Patients with pCR following neoadjuvant NIVO + chemo had improved long-term OS compared with those without pCR
- Presurgical ctDNA clearance was associated with improved OS, regardless of treatment

Background

- In the phase 3 CheckMate 816 study, neoadjuvant NIVO + chemo demonstrated statistically significant and clinically meaningful improvements in EFS and pCR vs chemo in patients with resectable NSCLC¹
 - -EFS HR, 0.63 (97.38% CI, 0.43-0.91; P = 0.005); pCR rates, 24.0% vs 2.2% (OR, 13.94; 99% CI, 3.49-55.75; P < 0.001)¹
- NIVO + chemo is the sole neoadjuvant-only chemoimmunotherapy regimen approved in the United States, European Union, and several other countries²⁻⁸
- Here, we present the results of the preplanned final analysis of OS from CheckMate 816 at a minimum 5 years of follow-up

1. Ferde PM. et al. New Engl J Med. 2022;355:1973-1935, 2. Spicer JD. et al. J Thorce Oncol. 2024;19(10):1373-1414, 3. Kim 55, et al. Ann Thorce Surg. 2025;119:16-33, 4. OPDIVO* (mixolumab) [package insert]. Princeton. IIJ. USA: Britist Myers Squibb: April 2025, 5. OPDIVO* (mixolumab) [product monograph]. Quebec. Canada: Britiol Myers Squibb Canada: June 2024, 6. OPDIVO* (mixolumab) [pummary of product characteristics]. Obdim. (reland: Shittel Myers Squibb Pharma EEIG; March 2025, 7. OPDIVO* (mixolumab) [package insert]. Osaka, Japan: Ono Pharmaceutical Company Ltd.: December 2024, 5. OPDIVO* (mixolumab) [package insert]. Sharghai, Chima: Britiol Myers Squibb: October 2024, 5.

Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.

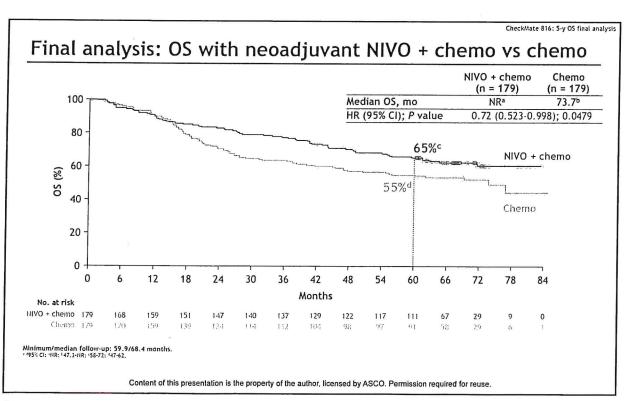


Statistical analysis plan

- pCR and EFS for NIVO + chemo vs chemo in the primary analysis population^a were to be tested with 1% and 4% type I error (2-sided), respectively^b
- If pCR was statistically significant, EFS was to be tested with a 2-sided type I error of $5\%^{\rm c}$
- If pCR and EFS were both significant, OS was to be tested hierarchically with a 2-sided type I error of $5\%^d$
- OS final analysis was prespecified to occur at 185 events or 5 years minimum follow-up, whichever occurred first
 - —The significance boundary was calculated to be a 2-sided P value of 0.0482 at the final database lock

Patients concurrently randomized to NIVO - chemo and chemo. For the primary pCR analysis, patients who did not undergo surgery or have evaluable tissue samples were to be counted as nonresponders.
'Comparison between treatment arms using stratified Cochran-Mantel-Haenszel test for pCR and stratified log-rank test for EFS. 'Approximately 185 EFS events would provide 82's power to detect an HR of 0.65, with a 5's type 1 error (2xided) considering 2 interim analyses. 'Significance boundaries for EFS and OS at interim analysis were calculated based on Lan-DeMets alpha spending function with the O'Brien-Fleming type of boundary.

Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.



CheckMate 816: 5-y OS final analysis

Subsequent anticancer therapy^a

	Concurrently rand	domized patients	Patients with disease progression or recurrence ⁶	
Patients, n (%)	NIVO + chemo (n = 179)	Clacatio (n = 17/9)	NIVO + chemo (n = 67)	Clinerate (n = 94)
Any subsequent therapy	56 (31)	92 (51)	50 (75)	85 (90)
Radiotherapy	28 (16)	44 (25)	25 (37)	41 (44)
Surgery	6 (3)	9 (5)	6 (9)	8 (8)
Systemic therapy	45 (25)	77 (43)	39 (58)	73 (78)
Chemo	41 (23)	50 (28)	36 (54)	46 (49)
Immunotherapy	19 (11)	49 (27)	17 (25)	48 (51)
VEGFR inhibitors	13 (7)	17 (10)	13 (19)	16 (17)
EGFR/ALK TKIs	5 (3)	11 (6)	4 (6)	11 (12)
Other targeted therapy	0	4 (2) ^c	0	3 (3) ^d
Other systemic therapy	1 (1)	8 (4)	1 (2)	7 (7)

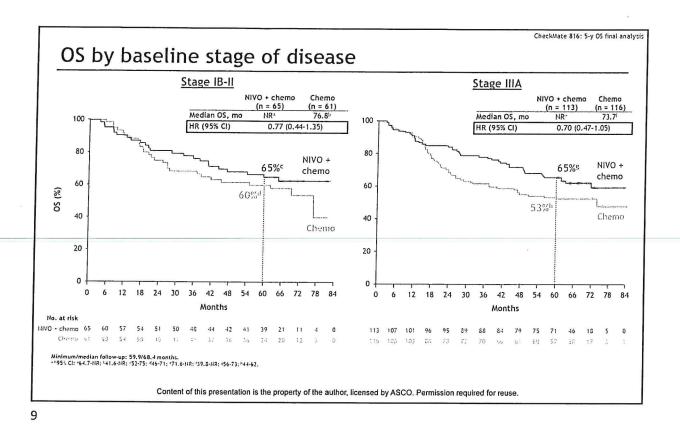
'Subsequent therapy was defined as therapy started on or after the first study treatment dozing date irandomization date if the patient was never treated), outside of protocol-specified adjuvant therapy. Patients may have received a 1 type of subsequent therapy. Investigator-assessed, fincluded amivantamab, capmatinib, entrectimb, praisetinib, and regorafemb (n = 1 for each). Included amivantamab, capmatinib, entrectimb, and pratection in = 1 for each).

Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.

7

OS analysis by key subgroups

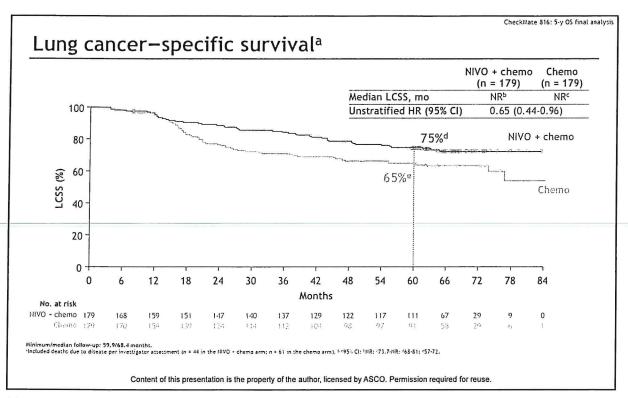
Median OS, mo Unstratified HR (95% CI) Unstratified HR NIVO + chemo Overall (11 = 358) NR 73.7 0.71 Male (n = 255) Female (n = 103) 61.8 0.76 White (n = 169) Black or African American (n = 7) Asian (n = 179) NR 73.7 0.91 20.9 0.52 NR 76.8 North America (n = 91) NR 73.7 0.83 Europe (n = 66) Asia (n = 177) ECOG PS 0 (n = 241) ECOG PS 1 (n = 117) 0.70 0.76 NR 76.8 45.3 Stage IB-II (n = 126) Stage IIIA (n = 229) 76.8 73.7 0.77 NR Squamous (n = 182) HR 73.7 0.71 Nonsquamous (n = 176) PD-L1 < 1% (n = 155) 61.8 73.7 73.7 76.8 0.89 NR PD-L1 ≥ 1% (n = 178) PD-L1 1%-49% (n = 98) PD-L1 ≥ 50% (n = 80) 0.66 NR Cisplatin (n = 258) 76.8 37.2 Carboplatin (n = 72) 0.39 0.125 0.25 Minimum/median follow-up: 59.9/68.4 months.
HRs were HC if there was an insufficient number of events (> 10 per arm). Favors NIVO + chemo

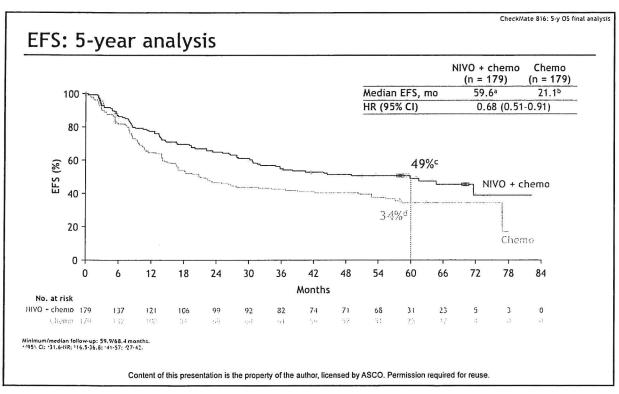


CheckMate 816: 5-y OS final analysis OS by tumor PD-L1 expression PD-L1 < 1% PD-L1 ≥ 1% NIVO + chemo (n = 89) NIVO + chemo (n = 78) Chemo (n = 89) 73.7¹ Median OS, mo 61.8 Median OS, mo 100 100 HR (95% CI) 0.89 (0.57-1.41) HR (95% CI) 0.51 (0.31-0.84) 80 80 NIVO + NIVO + 60 60 08 (%) chemo 58%h Chemo 40 40 Chemo 20 20 42 48 Months 48 43

Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.

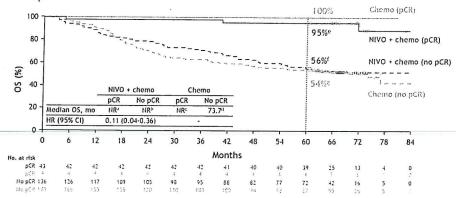
Minimum/median follow-up: 59,9/68.4 months. **95% CI: *43.8-NR: *31.2-NR: *41-63; *41-63; *NR: *47.3-NR: *68-86: *47-67.





Exploratory analysis: OS by pCR status

Among concurrently randomized patients, 43/179 (24%) patients in the NIVO + chemo arm and 4/179 (2%) patients in the chemo arm had pCR¹



In the NIVO + chemo arm:

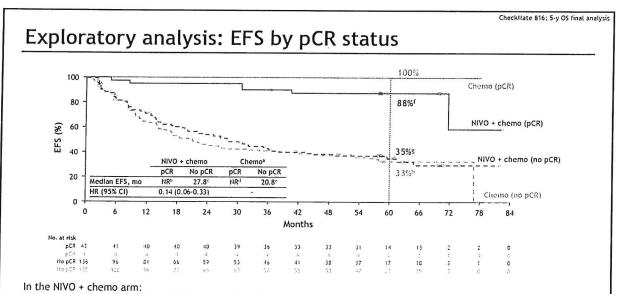
- Among patients with pCR, death occurred in 3 patients; none were due to disease^h
- Among patients with no pCR, there were a total of 62 (46.6%) deaths; 44 (33.1%) were due to disease

Minimum/median follow-up: 59.9/68.4 months.

His were IC if there was an insufficient number of events (+ 10 per arm). *195. CI; *118; *53.9-118; *118; *46.7-118; *53.99; *47-64; *46-61. *\in the chemo arm, there were no deaths in patients with pCR. In the chemo arm, there were 8 (14.77-5) deaths; \$0.13-95) were due to disease. 1. Forde PN, et al. if Engl J Med 2022; 36s: 1973-1935.

Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.

13

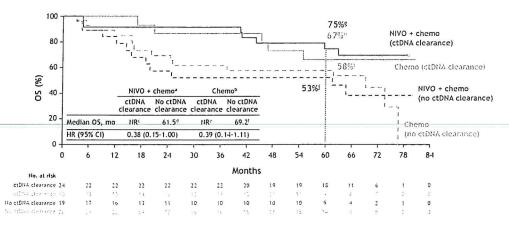


- · Among patients with pCR, 3 (7.0%) patients had disease recurrence or relapse
- Among patients with no pCR, 57 (41.9%) patients had disease recurrence or relapse

minimum/median relians-up: 97,796.4. months. Af 4R weer RC if there was an incufficient number of events (+ 10 per arm). In the chemo arm, no patients with pCR had disease recurrence or relapse; 84 (48,0%) of patients without pCR had disease recurrence or relapse. 9-95% CI-971.6-IRX: 18,5-93.1: 4IRX: 14,6-31.8: 73-69.4 (42,6-4). Among the 3 patients with recurrence, 1 patient is alive at 5 years on an ALX-directed therapy, the other 2 patients had recurrence by BICR, however, have not received further statemic therapy at 26-44; 25-46 at 25-48.

Exploratory analysis: OS by ctDNA clearance status

Among patients with detectable ctDNA levels at cycle 1, 24/43 (56%) patients in the NIVO + chemo arm and 15/43 (35%) patients in the chemo arm had ctDNA clearance¹



Minimum/median follow/up: 59.9/68.4 months. ciDIIA clearance was defined as presurgical change from detectable ctDIIA level: before cycle 1 to undetectable ctDIIA level: before cycle 3. Analytis was performed using a WES tumor-guided personalized ctDIIA personalized cancer (2014) and the company of the co

Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.

15

CheckMate 816: 5-y OS final analysis

Safety summary^a

	NIVO + chemo (n = 176)		Ghama (n = 17/6)	
Patients, n (%)	Any grade	Grade 3-4	Any grade	Grade 3-4
All AEsb	165 (94)	76 (43)	173 (98)	79 (45)
TRAEsb	147 (84)	63 (36)	159 (90)	67 (38)
All AEs leading to discontinuation ^b	18 (10)	10 (6)	20 (11)	7 (4)
TRAEs leading to discontinuation ^b	18 (10)	10 (6)	17 (10)	6 (3)
All SAEs ^b	30 (17)	19 (11)	24 (14)	17 (10)
Treatment-related SAEsb	21 (12)	15 (8)	18 (10)	14 (8)
Surgery-related AEsc	67 (45)	17 (11)	66 (49)	20 (15)
Treatment-related deaths ^d		0	3 (2) ^e

• Grade 5' surgery-related AEs occurred in 2 patients in the NIVO + chemo arm (1 each due to pulmonary embolism and aortic rupture); both were unrelated to study drug

'AEs per CTCAE v4.0 and MedDRA v27.1. 'Includes events reported between the first neoadjuvant dose and 30 days after the last dose of neoadjuvant study treatment. 'Includes events reported within 90 days after definitive surgery. Percentages calculated from treated patients who had definitive surgery in = 149 in the IIIVO - chemo arms n = 135 in the chemo arms. Treatment-related deaths occurring at any time after the first dose of neoadjuvant study treatment. 'Due to pancytopenia, diarrhea, acute kidney injury (all in 1 patient), entercocilitis (n = 1). And pneumoma (n = 1). 'AEs that led to death within 24 hours of order.

Summary

- In this preplanned final, 5-year analysis from CheckMate 816, neoadjuvant NIVO + chemo demonstrated a statistically significant and clinically meaningful OS benefit vs chemo (HR, 0.72)
 - 5-year OS rates were 65% and 55% in the NIVO + chemo and chemo arms, respectively
- NIVO + chemo showed improved lung cancer-specific survival vs chemo
- Patients with pCR with neoadjuvant NIVO + chemo had a ~90% reduction in the risk of death by 5 years vs those without pCR
- Presurgical ctDNA clearance was associated with long-term OS improvement
- · The safety profile of neoadjuvant NIVO + chemo was consistent with previous reports
- CheckMate 816 is the only phase 3 trial of neoadjuvant-only chemoimmunotherapy to demonstrate a statistically significant OS benefit across any resectable solid tumor type and affirm a paradigm shift in the treatment of resectable NSCLC without actionable genomic alterations

Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.

17



The NEW ENGLAND JOURNAL of MEDICINE

ORIGINAL ARTICLE

Survival with Neoadjuvant Nivolumab plus Chemotherapy in Lung Cancer

Patrick M. Forde, M.B., B.Ch., Ph.D., "Jornathan D. Speer, M.D., Ph.D.,"
Mariano Provencio, M.D., Ph.D.," Testaga Mayadema, M.D., Ph.D.,"
Mark M. Awad, M.D., Ph.D., "Changle Wang, M.D.," Stan Lu, M.D., Ph.D.,"
Euroqueta Felip, M.D., Ph.D., "Dale R. Brahmer, M.D.," Scott J. Swanson, M.D.,"
Redit Reer, M.B., Chile, "Jans M. Lathe, M.D.,"
Fudos-Fläde Chaleano, M.D., Ph.D.," Fumblino Landa, M.D., Ph.D.,"
Gene B. Saylors, M.D., "Re-Neng Chen, M.D., Ph.D.," Utropoki Iro, M.D., Ph.D.,"
Mosshe Ishterman, M.D., Fh.D.," Chanden Martin, M.D.,
Stephen Brodensk, M.D., "Tily Wang, M.D.," Junitang Ca, M.D.,"
Quyen Brong, Ph.D., "Stephene Meadows-Shropphen, Ph.D.,"
Juceph Fiore, Pharm.D., "Sumeena Bitato, Ph.D.," and
Nicolas Guard, M.D., Ph.D.," for the Checkshare S16 Diversing afters-



Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.

Acknowledgments

- · The patients and families who made this study possible
- · The investigators and clinical study teams who participated in this trial
- Dako, an Agilent Technologies, Inc. company (Santa Clara, CA, USA), for collaborative development of the PD-L1 IHC 28-8 pharmDx assay
- Janis M. Taube and the central pathologic review team for pathologic response assessment support;
 Padma Sathyanarayana for clinical sciences support
- Bristol Myers Squibb (Princeton, NJ, USA) and Ono Pharmaceutical Company Ltd. (Osaka, Japan)
- · The study was supported by Bristol Myers Squibb and Ono Pharmaceutical Company Ltd
- All authors contributed to and approved the presentation; writing and editorial assistance were provided by Sara Thier, PhD, MPH, Samantha L. Dwyer, PhD, and Michele Salernitano of Ashfield MedComms, an Inizio company, funded by Bristol Myers Squibb

Contact: www.globalbmsmedinfo.com



Copies of this slide deck obtained through Quick Response (QR) Code are for personal use only and may not be reproduced without permission from ASCO[®] or the author of this slide deck.



Lurbinectedin + atezolizumab as first-line maintenance treatment in patients with extensive-stage small cell lung cancer: Primary results of the Phase 3 IMforte trial

Luis Paz-Ares,¹ Hossein Borghaei,² Stephen V. Liu,³ Solange Peters,⁴ Roy S. Herbst,⁵ Katarzyna Stencel,⁶ Margarita Majem,⁷ Grzegorz Czyżewicz,⁸ Reyes Bernabé Caro,⁹ Ki Hyeong Lee,¹⁰ Melissa L. Johnson,¹¹ Nuri Karadurmuş,¹² Christian Grohé,¹³ Vaikunth Cuchelkar,¹⁴ Vilma Graupner,¹⁵ Monika Kaul,¹⁴ Ya-Chen Lin,¹⁴ Debasis Chakrabarti,¹⁶ Kamalnayan Bhatt,¹⁶ Martin Reck¹⁷

¹Hospital Universitario 12 de Octubre, H12O-CNIO Lung Cancer Unit, Universidad Complutense and Ciberonc, Madrid, Spain; ²Fox Chase Cancer Center, Philadelphia, PA, USA; ³Lombardi Comprehensive Cancer Center, Georgetown University, Washington, DC, USA; ⁴University Hospital CHUV, Lausanne, Switzerland; ⁵Yale School of Medicine, New Haven, CT, USA; ⁶Wielkopolska Center of Pulmondogy and Thoracic Surgery of Eugenia and Janusz Zeyland, Poznan, Poland; ⁷Hospital de la Santa Creu i Sant Pau, Barcelona, Spain; ⁸The John Paul II Specialist Hospital, Kraków, Poland; ⁹Hospital Universitario Virgen del Rocio, Seville, Spain; ¹⁰Chungbuk National University Hospital, Cheongju, South Korea; ¹¹Tennessee Oncology, Sarah Cannon Research Institute, Nashville, TN, USA; ¹²University of Health Sciences, Gülhane Training and Research Hospital, Ankara, Türkiye; ¹³Klinik für Pneumologie, Evangelische Lungenklinik Berlin, Germany; ¹⁴Genentech Inc, South San Francisco, CA, USA; ¹⁵F. Hoffmann-La Roche Ltd, Basel, Switzerland; ¹⁹Jazz Pharmaceuticals plc, Dublin, Ireland; ¹⁷Lung Clinic Grosshansdorf, Airway Research Center North, German Center of Lung Research, Grosshansdorf, Germany

2025 ASCO



PRESENTED BY: Luis Paz-Ares, MD. PhD

IMforte ASCO 2025 Abstract 8006 ASCO AMERICAN SOCIETY OF

Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.

1

Key takeaway points

IMforte demonstrated a statistically significant and clinically meaningful improvement in PFS and OS with 1L maintenance treatment with lurbinectedin + atezolizumab vs atezolizumab in patients with ES-SCLC

The safety profile of the combination was predictable with an increased incidence of AEs, most of which were low grade; treatment discontinuation rates were low

The combination of lurbinectedin + atezolizumab has the potential to become the new standard of care for 1L maintenance treatment of ES-SCLC

2025 ASCO



PRESENTED BY: Luis Paz-Ares, MD, PhD

IMforte ASCO 2025

ASCO AMERICAN SOCIATIVO

Background

- Despite improved efficacy with 1L immune checkpoint inhibitors (ICIs) + platinum-based chemotherapy, most patients with ES-SCLC eventually experience disease progression and long-term survival remains limited 1-5
- Due to the high attrition rate in ES-SCLC of ~60%, offering the most effective treatment in the front-line setting before progression is crucial to improve outcomes in this difficult-to-treat disease
- Lurbinectedin is an alkylating agent and transcription inhibitor that is approved in the US and other countries for the treatment of patients with metastatic SCLC who experienced disease progression on or after platinum-based chemotherapy
- In pre-clinical studies, lurbinectedin was shown to synergize with ICIs^{7,8} to achieve high rates of tumor regression and induce long-term T-cell memory9,10
- In Phase 1/2 trials in patients with relapsed ES-SCLC, the combination of lurbinectedin and ICIs was well tolerated with promising activity 11-13

The global, open-label, randomized, Phase 3 IMforte study investigated the efficacy and safety of lurbinectedin + atezolizumab versus atezolizumab for the maintenance treatment of ES-SCLC in patients

whose disease had not progressed after 1L induction treatment with atezolizumab + carboplatin + etoposide

1L. first line; ES-SCLC, extensive-stage small cell lung cancer; OS, overall survival; PFS, progression-free survival; SCLC, small cell lung cancer;
1. Liu SV, et al. J Clin Oncol 2021;39:619-30, 2; Paz-Ares L, et al. ESMO Open 2022;7:100408, 3; Goldman JW, et al. Lancet Oncol 2021;22:51-65, 4; Reck M, et al. Lung Cancer 2024;196;107924,
5; Cheng Y, et al. JAMIA 2022;328:1223-32, 6; Ramirez RA, et al. ASCO 2022 [bastract 8584], 7; Xie W, et al. Oncoimmunology 2019;8:e1656502, 8; Chakraborty S, et al. Cell Rep Med 2024;5:101852,
9; Russo-Cobarera JS, et al. Ann Oncol 2023;3:45636, 10, Russo-Cabrera JS, et al. ARC 2025 [abstract 5837], 11, Calles A, et al. J Thorae Oncol 2025 doi: 10.1016/j.jtho.2025.02.005.
12. Ponce Aix S, et al. J Immunother Cancer 2021;9(Suppl 2):A493, 13, Ponce Aix S, et al. ASCO 2025 [abstract 8013]

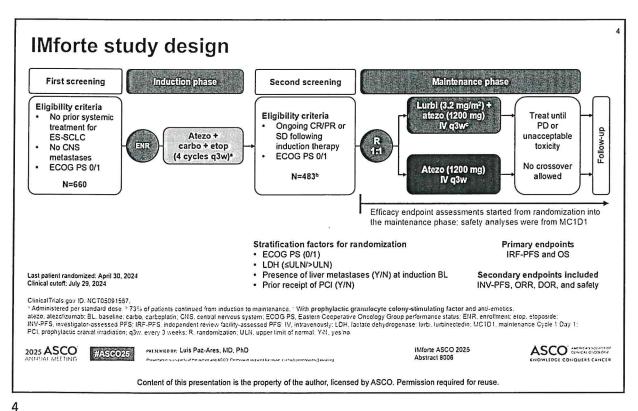
2025 ASCO #ASC025

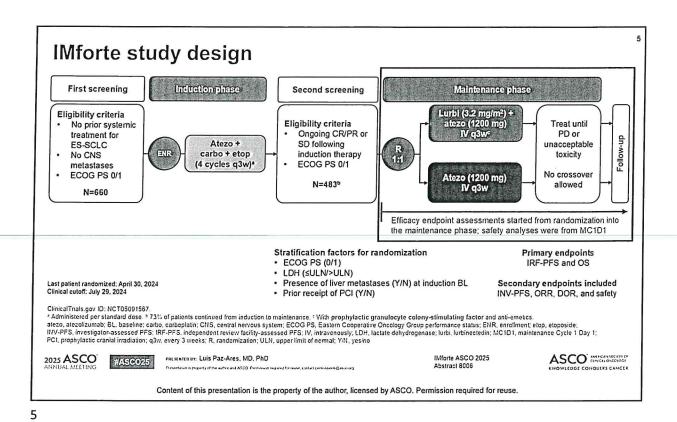
PRESENTED BY: Luis Paz-Ares, MD, PhD

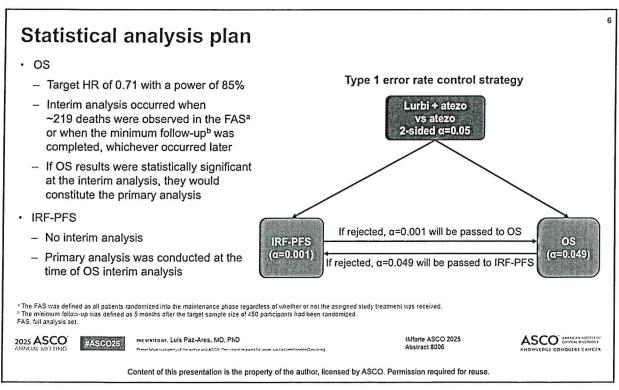
IMforte ASCO 2025 Abstract 8006

ASCO CENTER OF CONCERS CANCER

Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.







ASCO AMMICANISCENTINO

IMforte ASCO 2025 Abstract 8006

itenance phase		
Characteristic	Lurbi + atezo (n=242)	Atezo (n=241)
Age, median (range), years	65.0 (38-85)	67.0 (35-85)
<65 years, n (%)	118 (48.8)	90 (37.3)
Sex, male, n (%)	151 (62.4)	151 (62.7)
Race, n (%)	1 1 1	
White	195 (80.6)	199 (82.6)
Asian	31 (12.8)	31 (12.9)
Other ^a	16 (6.6)	11 (4.6)
Current or previous tobacco use history, n (%)	235 (97.1)	236 (97.9)
Liver metastases at induction BL, n (%)b	100 (41.3)	94 (39.0)
Prior PCI, n (%)b	34 (14.0)	37 (15.4)
ECOG PS 0 at maintenance BL, n (%)b	105 (43.4)	102 (42.3)
LDH ≤ULN at maintenance BL, n (%) ^b	176 (72.7)	179 (74.3)
Time from induction Cycle 1 Day 1 to randomization, median (range), mo	3.2 (2.6-4.6)	3.2 (2.7-5.2)
Response to induction therapy, n (%)°		
CR/PR	206 (87.3)	213 (88.8)
SD	28 (11.9)	25 (10.4)
PD ^d	2 (0.8)	2 (0.8)

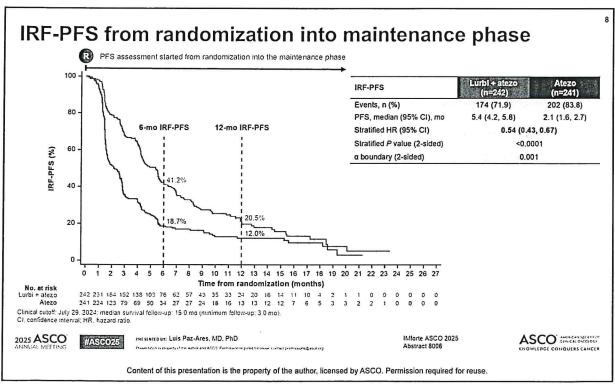
Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.

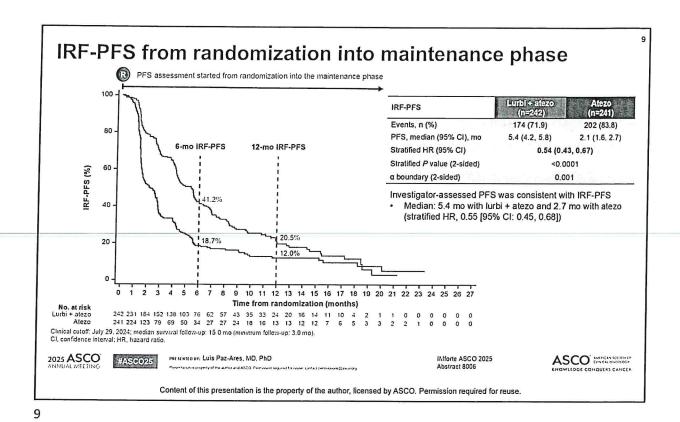
PRESENTED BY: Luis Paz-Ares, MD, PhD

7

2025 ASCO

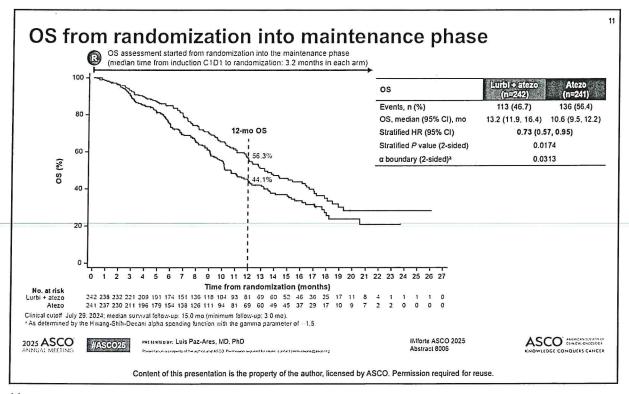
#ASCO25

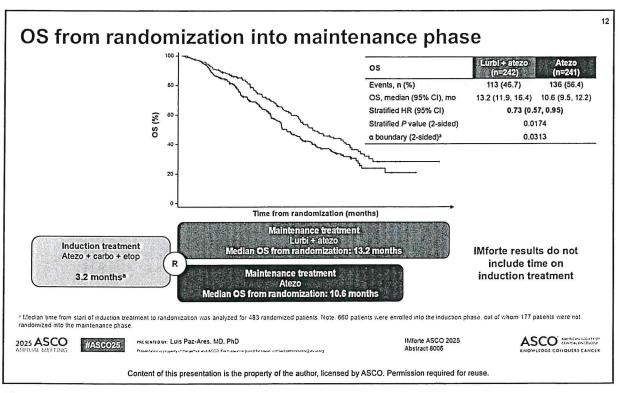


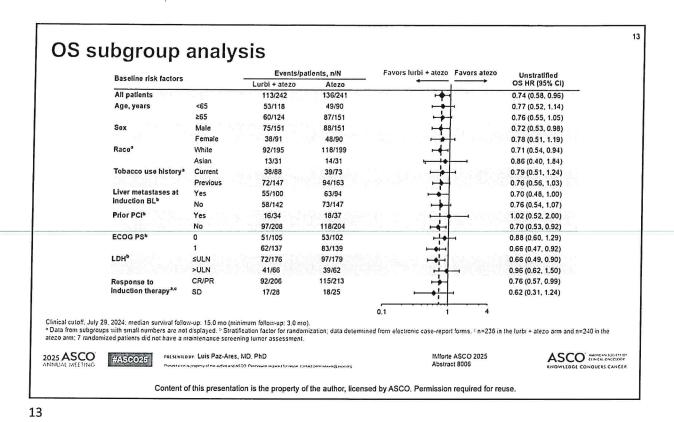


IRF-PFS subgroup analysis Events/patients, n/N Favors lurbi + atezo Favors atezo Unstratified IRF-PFS HR (95% CI) Baseline risk factors Lurbi + atezo Atezo All patients 174/242 202/241 0.56 (0.46, 0.69) Age, years <65 86/118 73/90 0.64 (0.46, 0.87) ≥65 88/124 129/151 0.51 (0.38, 0.67) Male 110/151 131/151 0.49 (0.38, 0.64) Female 64/91 71/90 0.69 (0.49, 0.98) Race White 140/195 167/199 0.58 (0.46, 0.73) 22/31 26/31 0.48 (0.27, 0.86) Tobacco use history 57/73 Current 61/88 0.65 (0.45, 0.95) Previous 107/147 141/163 0.53 (0.41, 0.68) Liver metastases at 75/100 87/94 Yes 0.45 (0.33, 0.62) 99/142 115/147 0.62 (0.48, 0.82) No Prior PCI 25/34 29/37 Yes 0.76 (0.44, 1.31) 149/208 173/204 No 0.53 (0.42, 0.66) ECOG PSb 76/105 82/102 0.58 (0.42, 0.80) 98/137 120/139 0.56 (0.43, 0.73) LDH ≤ULN 123/176 150/179 0.53 (0.41, 0.67) >ULN 51/66 52/62 0.65 (0.44, 0.96) CR/PR 143/206 176/213 0.53 (0.42, 0.67) Response to Induction therapy 3.6 SD 0.72 (0.40, 1.29) Clinical cutoff: July 29, 2024; median survival follow-up: 15.0 mo (minimum follow-up: 3.0 mo).

* Data from subgroups with small numbers are not displayed. * Stratification factor for randomization; data determined from electronic case-report forms. * n=236 in the lurbi + atezo arm and n=240 in lite atezo arm; 7 randomized patients did not have a maintenance screening tumor assessment. 2025 ASCO PRESENTED BY: Luis Paz-Ares, MD. PhD IMforte ASCO 2025 Abstract 8006 ASCO SINICAL ONCOLOGY #ASCO25 Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.







Confirmed IRF-assessed ORR and DOR during the maintenance phase

· Background: At the time of randomization, 88% of patients had CR/PR and 11% had SD to induction therapy

- Tumor response in the maintenance phase was assessed against maintenance baseline

Patients with measurable disease ^a	Lurbi + atezo (n=175)	Atezo (n=182)
Confirmed objective response, n (%)	34 (19.4)	19 (10.4)
(95% CI) ^b	(13.9, 26.1)	(6.4, 15.8)
Difference in ORR (95% CI), %	9.0 (1	.1, 16.9)
CR, n (%)	4 (2.3)	1 (0.5)
PR, n (%)	30 (17.1)	18 (9.9)
SD, n (%)	96 (54.9)	68 (37.4)
PD, n (%)	34 (19.4)	87 (47.8)
Missing or non-evaluable, n (%)	11 (6.3)	8 (4.4)
DOR°		
Responders with an event/responders, n (%)	14/34 (41.2)	11/19 (57.9)
Median DOR (95% CI), mo	9.0 (5.5, NE)	5.6 (4.2, NE)

Clinical cutoff: July 29, 2024, Measurable disease was not an inclusion criterion to enter the maintenance phase. The confirmed ORR was defined as the proportion of randomized patients with a CR or PR on two consecutive occasions 24 weeks apart after randomization and was assessed in patients who had measurable disease at maintenance baseline. DOR was assessed in patients who had a confirmed objective response in the maintenance phase. NE, not estimable.

2025 ASCO

#ASCO25

PRESENTED BY: Luis Paz-Ares, MD, PhD

IMforte ASCO 2025

ASCO CHARGAL DACCIDES KNOWLEDGE CONQUERS CANCER

Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.

14

14

Follow-up systemic anticancer treatments

Patients, n (%)	Lurbi + atezo (n=242)	Atezo (n=241)
Patients who discontinued maintenance treatment	197	208
Patients with ≥1 follow-up systemic anticancer treatment	108 (44.6)	132 (54.8)
Chemotherapy	89 (36.8)	119 (49.4)
Immunotherapy	25 (10.3)	20 (8.3)
Targeted therapy	3 (1.2)	2 (0.8)
Other	3 (1.2)	3 (1.2)

At the time of clinical cutoff, no patient in the lurbi + atezo arm and 22 patients (9.1%) in the atezo arm had received follow-up lurbi treatment

Clinical cutoff: July 29, 2024

2025 ASCO

#ASCO2

PRESENTED BY: Luis Paz-Ares, MD, PhD

IMforte ASCO 2025 Abstract 8006 ASCO CINCAL DECRITOR CANCER

Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.

15

Safety summary during the maintenance phase

16

Patients with ≥1 AE, n (%)	Lurbi + atezo (n=242)	Atezo (n=240)
All-cause AEs	235 (97.1)	194 (80.8)
Grade 3/4 AEs	92 (38.0)	53 (22.1)
Treatment-related Grade 3/4 AEs	62 (25.6)	14.0 (5.8)
Grade 5 AEs	12 (5.0)	6 (2.5)
Treatment-related Grade 5 AEs	2 (0.8)ª	1 (0.4) ^b
Serious AEs	75 (31.0)	41 (17.1)
AEs leading to discontinuation of any study drug	15 (6.2)	8 (3.3)
AEs leading to dose interruption/ modification of any study drug ^c	92 (38.0)	33 (13.8)

Patients with ≥1 AE, n (%)	Lurbi + atezo (n=242)	Atezo (n=240)
Lurbinectedin AESI ^d	93 (38.4)	62 (25.8)
Grade 5 AESI	7 (2.9)	4 (1.7)
Atezolizumab AESI ^d	76 (31.4)	54 (22.5)
Grade 5 AESI	0	0
Atezolizumab AESI requiring corticosteroids	40 (16.5)	18 (7.5)
Median treatment duration, mo	4.1 (lurbi)/ 4.2 (atezo)	2.1
Median number of doses received	6.5 (lurbi)/ 7.0 (atezo)	4.0

Clinical cutoff, July 29, 2024. One patient randomized to the alezo arm did not receive treatment and was not included in the safety analysis set.

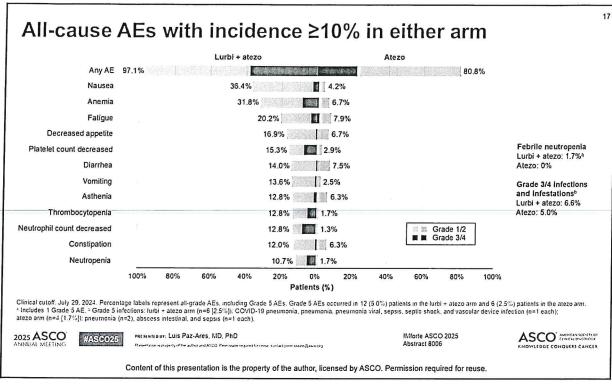
* Sepsis and febrile neutropenia, both considered related to lurbi. * Sepsis considered related to atezo. * Atezo dose modifications were not permitted. * AESI for lurbi and atezo were pre-specified based on their mechanism of action and were independent of the causal relationship assigned by the investigator. AE: adverse event; AESI, adverse events of special interest.

2025 ASCO

#ASCO25

PRESENTED BY: Luis Paz-Ares, MD. PhD

IMforte ASCO 2025 Abstract 8006 ASCO CHACALOSCINOS KNOWLEDGE CONQUERS CANCER



17

Conclusions

18

- IMforte demonstrated a statistically significant and clinically meaningful improvement in IRF-PFS and OS with 1L maintenance treatment with lurbinectedin + atezolizumab vs atezolizumab in patients with ES-SCLC
 - Stratified IRF-PFS HR: 0.54 (95% CI: 0.43, 0.67); P<0.0001
 - Stratified OS HR: 0.73 (95% CI: 0.57, 0.95); P=0.0174
- IRF-PFS and OS benefit with lurbinectedin + atezolizumab was generally consistent across the majority of subgroups
- Despite the higher rate of Grade 3/4 AEs and SAEs, there were no new or unexpected safety signals with lurbinectedin + atezolizumab
- The safety profile was predictable, with mostly low-grade AEs and low treatment discontinuation rates
- There was no clinically meaningful increase in immune-related AEs
- IMforte is the first Phase 3 study to show PFS and OS improvement with 1L maintenance treatment for ES-SCLC, highlighting the potential of lurbinectedin + atezolizumab to become a new standard of care for 1L maintenance therapy in patients with this aggressive and difficult-to-treat disease

2025 **ASCO**



PRESENTED BY: Luis Paz-Ares, MD, PhD

IMforte ASCO 2025

ASCO CHARLES CANCER

19

Now published in The Lancet

Efficacy and safety of first-line maintenance therapy with lurbinectedin plus atezolizumab in extensive-stage smallcell lung cancer (IMforte): a randomised, multicentre, openlabel, phase 3 trial

Luis Paz-Ares, Hossein Borghaei, Stephen V Liu, Solange Peters, Roy S Herbst, Katarzyna Stencel, Margarita Majem, Mehmet Ali Nahit Sendur, Grzegorz Czyżewicz, Reyes Bernabe Caro, Ki Hyeong Lee, Melissa L Johnson, Nuri Karadurmus, Christian Grohe, Sofia Baka, Tibor Csőszi, Jin Scok Ahn, Raffaele Califano, Tsung-Ying Yang, Yasemin Kemal, Marcus Ballinger, Vaikunth Cuchelkar, Vilma Graupner, Ya-Chen Lin, Debasis Chakrabarti, Kamalnayan Bhatt, George Cai, Robert lannone, Martin Reck, for the IMforte investigators*



https://doi.org/10.1016/S0140-6736(25)01011-6

Published Online First at https://www.thelancet.com/journals/lancet/onlinefirst

2025 ASCO



PRESENTED BY: Luis Paz-Ares, MD. PhD

IMforte ASCO 2025

ASCO AMERICAN SOCIENCE

Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse

19

Acknowledgments

- The patients and their families
- investigators and staff at all clinical study sites
- This study was sponsored by F. Hoffmann-La Roche Ltd. The study was co-funded by Jazz Pharmaceuticals
- Medical writing assistance was provided by Bena Lim. PhD, CMPP, of Nucleus Global, an Inizio Company, and funded by F. Hoffmann-La Roche Ltd



Copies of this slide deck obtained through Quick Response (QR) Code are for personal use only and may not be reproduced without permission from ASCO® or the author of these slides

Investigators and study sites

Belgium Chadotte Van De Kerkhove

- Els Wauters
 Kristof Cuppens
 Marc Lambrechts
 Mariana Brandao
- · Sebahat Ocak

Germany • Achim Rittmeyer • Christian Grohé

- · Daniel Misch · Ekkehard Eigendorff
- Martin Reck
 Niels Reinmuth
 Petra Hoffknecht

- Sabine Bohnet
 Sebastian Erd
 Stefan Hammerschmidt
 Wolfgang Schütte

Greece Athanasios Kotsakis

- George Fountzilas
 Giannis Mountzios
- Konstantinos Syrigos
- · Sofia Baka

Hungary - Arpad Boronkai - Gabriella Galffy

- Italy

 Diego Signorelli

 Filippo De Marinis

 Manolo D'arcangelo

 Paola Taveggia

 Roberto Fernara
- · Rossana Berardi

- Jorge Arturo Alatorre Alexander Jorge Luis Martinez Rodriguez
- Juan Vazquez Limon

- Poland Adam Pluzanski Aleksandra Szczesna

- Andrzej Badzio
 Andrzej Kazarnowicz
 Grzegorz Czyzewicz
 Katarzyna Stencel

- Republic of Korea - Gyeong-Won Lee - Jin-Seok Ahn
- Jun Ho Ji
- Ki Hyeong Lee
 Sang-We Kim
 Se Hyun Kim
 Shin Yup Lee
- · Young Joo Min

· Zuhat Urakci

IMforte ASCO 2025 Abstract 8006

Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.

20

Catherine Bale Colin Barrie

Edurne Arriola Aperribay
 Jose Carlos Benitez Montañez

Luis Paz-Ares Rodriguez
 M. Rosario Garcia Campelo
 Margaria Majem Tarruella

· Reyes Bernabe Caro

Chien-Chung Lin
 Chi-Lu Chiang

Tsung-Ying Yang
 Yu-Feng Wei

Basak Oyan Uluc
 Cagalay Arslan
 Devrim Cabuk
 Erdem Cubukcu

Mahmut Gumus

· Nuri Karadurmus Omer Fath Olmez
 Ozgur Ozyilkan
 Saadettin Kilickap

 Umut Demirci Yasemin Kemal

Türkiye
- Atike Gokcen Demiray

 Mehmet Ali Nahit Sendur Mehmet All Nank Sendur
 Mehmet Artac
 Muhammet Bekir Hacioglu
 Mustafa Ozguroglu

- Katy Clarke Raffaele Califano
- Samreen Ahmed

- Sin Lau
 Victoria Brown
- **United States**
- Bethany G. Sleckman
 Christian Thomas

- Christian Thomas
 Davey Daniel
 Gregory J. Gerstner
 Hossein Borghaei
 Humera Khurshid
 Jacob Sands
- Jacob Sands
 James D'Olimpio
 Jason Porter
 Jessica Hellyer
- Jorge Rios
 Mariam Alexander
 Melissa Johnson
 Michael Castine
- Sherri Cervantez Steven L. Mccune
 Sumithra Vattigunta
 Yuanbin Chen

2025 ASCO



PRESENTED BY: Luis Paz-Ares, MD, PhD

ASCO CHANGAL BACKLES OF

Lay summary

21

Who does this research impact?

- · Patients with extensive-stage small-cell lung cancer (ES-SCLC) who have not been treated for this disease
- ES-SCLC is a type of very fast-growing lung cancer that has spread widely to both lungs and/or other parts of the body

What did this research tell us?

- Adding lurbinectedin, a novel chemotherapeutic drug, to atezolizumab, another drug known as an "immune checkpoint inhibitor," can reduce the risk of death and/or the worsening of ES-SCLC after initial treatment with current standard medicines
- · There were no new or unexpected side effects with lurbinectedin + atezolizumab

What does this mean for patients right now?

 Lurbinectedin + atezolizumab has the potential to become a new standard medicine for treating patients with ES-SCLC, thereby allowing them to live longer with their disease

2025 ASCO



PRESENTED BY: Luis Paz-Ares, MD, PhD

IMforte ASCO 2025 Abstract 8006 ASCO CHINICAL ONCOLOGY

Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.

21

22

Supplementary information





PRESENTED BY: Luis Paz-Ares, MD, PhD

IMforte ASCO 2025 Abstract 8006 ASCO ENGLA DECISION KNOWLEDGE CONQUES CANCER

23

Disposition from treatment in the SAS

Patients, n (%) Treatment status 44 (18.2) 45 (18.6) 32 (13.3) Ongoing Discontinued maintenance treatment 198 (81.8) 197 (81.4) 208 (86.7) Reasons for discontinuation of maintenance treatment^a 160 (81.2) 185 (88.9) Progressive disease 155 (78.3) 6 (2.9) 16 (8.1) 16 (8.1) Death 9 (4.3) 13 (6.6) 6 (3.0) Adverse event Withdrawal 8 (4.0) 9 (4.6) 2 (1.0) 5 (2.5) 5 (2.5) 5 (2.4) Symptomatic deterioration

1 (0.5)

Clinical outoff, July 29, 2024, * Percentages were calculated based on the total number of patients who discontinued each drug. SAS, safety analysis set

2025 ASCO

#ASC025

Physician decision

PRESENTEDRY: Luis Paz-Ares, MD, PhD

IMforte ASCO 2025 Abstract 8006

1 (0.5)

ASCO CHAIRCAL DOCUMENT KNOWLEDGE CONQUERS CANCER

1 (0.5)

Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.

23

Disposition from study in the FAS

24

Patients, n (%)	Lurbi + atezo (n=242)	Atezo (n=241)
Randomization phase status		
Ongoing	126 (52.1)	102 (42.3)
Discontinued study	116 (47.9)	139 (57.7)
Reasons for discontinuation from randomization phase		
Death	112 (46.3)ª	135 (56.0)ª
Withdrawal by subject	3 (1.2)	1 (0.4)
Lost to follow-up	1 (0.4)	1 (0.4)
Progressive disease	0	2 (0.8)

Clinical cutoff: July 29, 2024. One death in each arm was collected from public records after the patients had discontinued the study for other reasons and is therefore not accounted for here





PRESENTED BY: Luis Paz-Ares, MD, PhD

IMforte ASCO 2025 Abstract 8006 ASCO. SINGLE CONDUES CHICLE

Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.

Patients, n (%)	Lurbl + atezo (n=242)	Atezo (n=241)	Patients, n (%)	Lurbl + atezo (n=242)	Atezo (n=241)
Patients who discontinued maintenance treatment	197	208	Immunotherapy	25 (10.3)	20 (8.3)
Patients with ≥1 follow-up systemic anticancer treatment	108 (44.6)	132 (54.8)	Atezolizumab	20 (8.3)	9 (3.7)
Chemotherapy	89 (36.8)	119 (49.4)	Tarlatamab	4 (1.7)	8 (3.3)
Carboplatin	39 (16.1)	27 (11.2)	Ipilimumab	1 (0.4)	0
Etoposide	34 (14.0)	23 (9.5)	Magrolimab	1 (0.4)	0
Topotecan	25 (10.3)	38 (15.8)	Nivolumab	1 (0.4)	0
Irinotecan	23 (9.5)	34 (14.1)	Durvalumab	0	3 (1.2)
Cyclophosphamide	18 (7.4)	21 (8.7)	Targeted therapy	3 (1.2)	2 (0.8)
Vincristine	17 (7.0)	21 (8.7)	Bevacizumab	1 (0.4)	1 (0.4)
Doxorubicin	14 (5.8)	14 (5.8)	Sacituzumab govitecan	1 (0.4)	1 (0.4)
Paclitaxel	9 (3.7)	17 (7.1)	DS 7300a	1 (0.4)	0
Cisplatin	9 (3.7)	16 (6.6)	Other	3 (1.2)	3 (1.2)
Docetaxel	3 (1.2)	3 (1.2)	Other monoclonal antibodies and ADCs	1 (0.4)	2 (0.8)
Temozolomide	3 (1.2)	0	Other therapeutic products	1 (0.4)	1 (0.4)
Epirubicin	2 (0.8)	5 (2.1)	Talazoparib	1 (0.4)	0
Ifosfamide	2 (0.8)	1 (0.4)	Talazopanio	1 (0.4)	V
Belotecan	2 (0.8)	0			
Lurbinectedin	0	22 (9.1)			
Gemcitabine	0	2 (0.8)			
Vinorelbine	0	2 (0.8)			
Dactinomycin	0	1 (0.4)			
Other antineoplastic agents	1 (0.4)	0			

25

Serious AEs with incidence ≥1% in either arm in the SAS

Patients, n (%)	Lurbi + atezo (n=242)	Atezo (n=240)
Pneumonia	6 (2.5)	6 (2.5)
Dyspnea	5 (2.1)	4 (1.7)
Respiratory tract infection	5 (2.1)	1 (0.4)
Platelet count decreased	5 (2.1)	0
Febrile neutropenia	4 (1.7)	0
Infection	3 (1.2)	0
Myocardial infarction	3 (1.2)	0
Pyrexia	3 (1.2)	0
Hyponatremia	2 (0.8)	3 (1.3)

Clinical cutoff: July 29, 2024.

ANNUAL MEETING

#ASCO25

PRESENTED BY: Luis Paz-Ares, MD, PhD

IMforte ASCO 2025 Abstract 8006 ASCO TUNICAL SOCIETY OF TUNICAL SOCIETY OF

Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.

26

Causes of death in the SAS

27

Patients, n (%)	Lurbî + atezo (n=242)	Atezo (n=240)
All deaths	113 (46.7)	135 (56.3) ^a
Progressive disease ^b	90 (79.6)	117 (86.7)
AEs ^b	12 (10.6)	6 (4.4)
Other ^{b,c}	11 (9.7)	12 (8.9)

Clinical cutoff; July 29, 2024, * The 1 patient who never started maintenance treatment discontinued the study due to death and is not accounted for in this table which displays the SAS. * Percentages were calculated based on the total number of deaths in each arm. * Other refers to deaths that occurred outside the AE reporting period that were not annibuted to progressive disease nor to prior study treatment

2025 ASCO #ASCO25



PRESENTED BY: Luis Paz-Ares, MD, PhD

IMforte ASCO 2025 Abstract 8006

ASCO. WHENCEN SOUTH OF

Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.

27

Grade 5 AEs by SOC and PT in the SAS

28

Patients, n (%)	Lurbi + atezo (n=242)	Atezo (n=240)
All Grade 5 AEs	12 (5.0)	6 (2.5)
Infections and infestations	6 (2.5)	4 (1.7)
Pneumonia	1 (0.4)	2 (0.8)
Sepsis	1 (0.4)	1 (0.4) ^b
Abscess intestinal	0	1 (0.4)
COVID-19 pneumonia	1 (0.4)	0
Pneumonia viral	1 (0.4)	0
Septic shock	1 (0.4)	0
Vascular device infection	1 (0.4)	0
Cardiac disorders	4 (1.7)	0
Cardiorespiratory arrest	2 (0.8)	0
Myocardial infarction	2 (0.8)	0
Blood and lymphatic system disorders	1 (0.4)	0
Febrile neutropenia	1 (0.4)ª	0
General disorders and administration site conditions	0	1 (0.4)
Death	0	1 (0.4)
Nervous system disorders	0	1 (0.4)
Cerebrovascular accident	Ō	1 (0.4)
Psychiatric disorders	1 (0.4)	0
Completed suicide	1 (0.4)	0

Clinical cutoff, July 29, 2024 - AE related to lurbi, ⁵ AE related to atezo, PT, preferred term; SOC, system organ class.

2025 ASCO

#ASCO25

PRESENTED BY: Luis Paz-Ares, MD, PhD

IMforte ASCO 2025 Abstract 8006

ASCO CHECAL ONCOLOGY CHOWLEDGE CONQUERS CANCER



Tarlatamab versus chemotherapy as second-line treatment for small cell lung cancer (SCLC): primary analysis of the phase 3 DeLLphi-304 study

Charles M. Rudin, Giannis S. Mountzios, Longhua Sun, Byoung Chul Cho, Umut Demirci, Sofia Baka, Mahmut Gumus, Antonio Lugini, Tudor-Eliade Ciuleanu, Myung-Ju Ahn, Pedro Rocha, Bo Zhu, Fiona Blackhall, Tatsuya Yoshida, Taofeek K. Owonikoko, Luis Paz-Ares, Shuang Huang, Diana Gauto, Gonzalo Recondo, Martin Schuler

Speaker: <u>Charles M. Rudin</u>, MD, PhD, Fiona and Stanley Druckenmiller Center for Lung Cancer Research, Memorial Sloan Kettering Cancer Center, New York, USA.

2025 ASCO

#ASCO25

ressesse er: Charles M. Rudin, MD, PhD

ASCO CONCUENTS CANCER THE CONCUENTS CANCER CONCUENTS CANCER CANCER CANCER

Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.

1

Key takeaways

In the phase 3 DeLLphi-304 study, tarlatamab significantly improved overall survival and progression-free survival, reducing the risk of death by 40% compared with chemotherapy

Tarlatamab, compared with chemotherapy, significantly improved patient-reported outcomes of dyspnea and cough

Tarlatamab had a lower rate of high-grade AEs and lower rate of AEs that led to treatment discontinuations

CRS and ICANS were mostly grade 1 or 2 in severity and generally manageable

The DeLLphi-304 study affirms tarlatamab as the new standard of care in patients with previously treated SCLC

CRS, cytokine release syndrome; ICANS, immune effector cell-associated neurotoxicity syndrome.

2025 ASCO

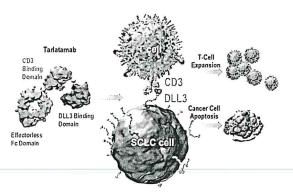
#ASCO25

PALSINITO EV: Charles M. Rudin, MD. PhD

ASCO CONTRACTOR CONTRA

Background

- Tarlatamab is a bispecific T-cell engager immunotherapy that directs cytotoxic T cells to DLL3expressing SCLC cells resulting in tumor cell lysis¹
- Tarlatamab demonstrated durable anticancer efficacy in patients with previously treated SCLC^{2,3}
- Survival with current 2L chemotherapy options is modest and is also associated with substantial hematological toxicity⁴⁻⁶
- The DeLLphi-304 study was conducted to assess whether tarlatamab could improve survival for patients with SCLC whose disease had progressed or recurred following one line of platinum-based chemotherapy⁷



We present results from the first planned interim analysis of the phase 3 DeLLphi-304 trial comparing tarlatamab to chemotherapy for 2L treatment of SCLC

2L, second-line; CD3, cluster of differentiation 3; DLL3, delta-like ligand 3; Fc, fragment crystallizable region; SCLC, small cell lung cancer

2025 ASCO

#ASC025

PASSENTO IN: Charles M. Rudin, MD, PhD

ASCO (INCALOREDIDO)

Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.

3

Randomized, controlled, phase 3 DeLLphi-304 study (NCT05740566)

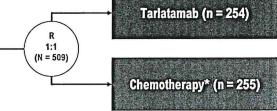
* Dellphi

Key inclusion criteria

- · Histologically or cytologically confirmed SCLC
- Progression after 1L platinum-based chemotherapy +/- anti-PD-(L)1
- ECOG PS 0 or 1
- · Asymptomatic, treated or untreated brain metastases

Randomization stratified by

- Prior anti-PD-(L)1 exposure (yes/no)
- Chemotherapy-free interval (< 90 days vs ≥ 90 to < 180 days vs ≥ 180 days)
- Presence of (previous/current) brain metastases (yes/no)
- · Intended chemotherapy (topotecan/amrubicin vs lurbinectedin)



Topotecan (n = 185); Lurbinectedin (n = 47); Amrubicin (n = 23)

Primary Endpoint: Overall survival

Key Secondary Endpoints: Progression-free survival, patient-reported outcomes
Other Secondary Endpoints: Objective response, disease control, duration of response, safety

'Topotecan was used in all countries except Japan, lurbinectedin in Australia, Canada, Republic of Korea, Singapore and the United States, and amrubicin in Japan.
1L, first-line; ECOG PS, Eastern Cooperative Oncology Group performance status; PD-(L)1, programmed death (ligand)-1; R, randomization; SCLC, small cell lung cancer.

2025 ASCO

#ASCO25

PRISINTO M: Charles M. Rudin, MD, PhD

ASCO CLUCAL CULDION

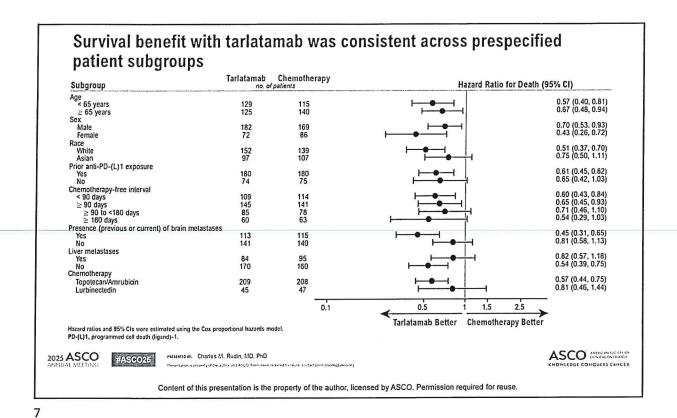
Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.

4

^

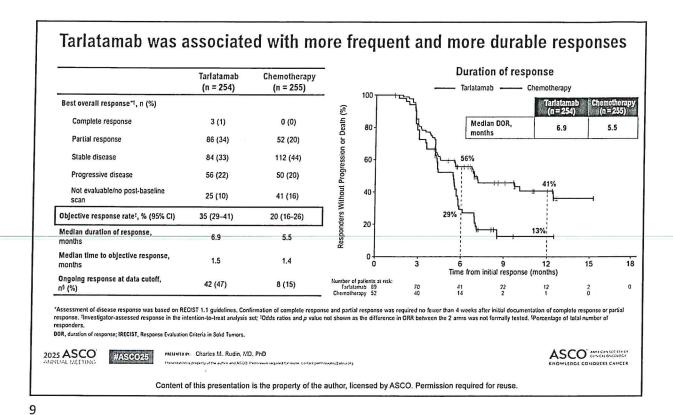
Median age, years (range) 64 (20 – 86) 66 (26 – 84) Male / Female, % 72 / 28 66 / 34 Race Asian / Black / White, % 38 / 1 / 60 42 / 1 / 55 Smoking history Current or former smokers / Never smokers, % 91 / 9 88 / 12 ECOG performance status, 0 / 1, % 33 / 67 31 / 68 Prior anti-PD-(L)1 therapy, % 71 71 Prior radiotherapy-for current malignancy*, % 63 63 Chemotherapy-free interval,% 90 days 43 45 ≥ 90 to < 180 days 33 31 ≥ 180 days 24 25		Tarlatamab (n = 254)	Chemotherapy (n = 255)	/
Race Asian / Black / White, % 38 / 1 / 60 42 / 1 / 55 Smoking history Current or former smokers / Never smokers, % 91 / 9 88 / 12 ECOG performance status, 0 / 1, % 33 / 67 31 / 68 Prior anti-PD-(L)1 therapy, % 71 71 Prior radiotherapy-for current malignancy*, % 63 63 Chemotherapy-free interval, % 90 days 43 45 ≥ 90 to < 180 days	Median age, years (range)	64 (20 – 86)	66 (26 – 84)	
Asian / Black / White, % Smoking history Current or former smokers / Never smokers, % ECOG performance status, 0 / 1, % Prior anti-PD-(L)1 therapy, % Prior radiotherapy for current malignancy*, % Chemotherapy-free interval, % < 90 days ≥ 90 to < 180 days ≥ 180 days ≥ 180 days 38 / 1 / 60 42 / 1 / 55 88 / 12 31 / 68 71 71 71 71 63 63 Chemotherapy-free interval, % < 90 days ≥ 180 days 24 25	Male / Female, %	72 / 28	66 / 34	
Current or former smokers / Never smokers, % 91/9 88 / 12 ECOG performance status, 0 / 1, % 33 / 67 31 / 68 Prior anti-PD-(L)1 therapy, % 71 71 Prior radiotherapy for current malignancy*, % 63 63 Chemotherapy-free interval, % 90 days 43 45 ≥ 90 to < 180 days		38/1/60	42 / 1 / 55	
Prior anti-PD-(L)1 therapy, % 71 71 Prior radiotherapy for current malignancy*, % 63 63 Chemotherapy-free interval, % 43 45 < 90 days		91/9	88 / 12	
Prior radiotherapy for current malignancy*, % 63 63 Chemotherapy-free interval,% 43 45 ≤ 90 days 43 33 31 ≥ 90 to < 180 days	ECOG performance status, 0 / 1, %	33 / 67	31 / 68	
Chemotherapy-free interval,% 43 45 < 90 days	Prior anti-PD-(L)1 therapy, %	71	71	
< 90 days 43 ≥ 90 to < 180 days 33 ≥ 180 days 24 25	Prior radiotherapy for current malignancy*, %	63	63	
	< 90 days ≥ 90 to < 180 days	33	31	
Presence of brain / liver metastases, % 44 / 33 45 / 37	Presence of brain / liver metastases, %	44 / 33	45 / 37	
DLL3 expression, %, (n/N¹) 95 (207/217) 93 (198/214)	DLL3 expression, %, (n/N†)	95 (207/217)	93 (198/214)	

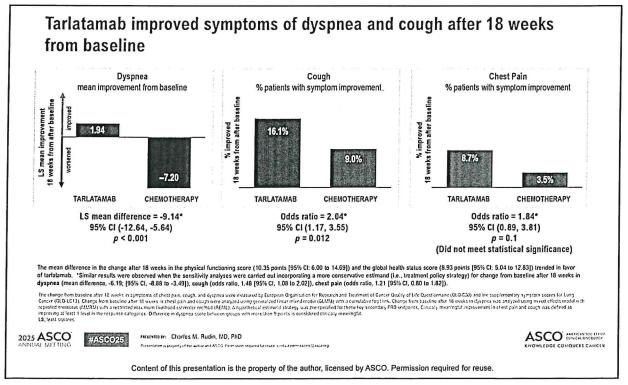
DeLLphi-304 met its primary endpoint with tarlatamab demonstrating superior overall survival over chemotherapy Median OS, months - Tarlatamab ------ Chemotherapy 100 -HR (Tarlatamab/Chemotherapy) 0.60 (0.47, 0.77) (95% CI) 76% 80 -Overall Survival (%) p-value (2-sided) p < 0.001 60 -53% 62% 40 20 0 21 15 18 Time from randomization (months) Number of patients at risk: Tarlatamab 254 220 192 131 60 17 0 Chemotherapy 255 156 42 0 Median follow-up time: 11.2 months for the tariatamab group and 11.7 months for the chemotherapy group, p-value was calculated using a stratified log-rank test. HR, hazard ratio; 05, overal survival. 2025 ASCO ASCO CINCAL DOCUMENT CANCER MANAGEMENT Charles M. Rudin, MD, PhD #ASCO25 Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.



Progression-free survival was significantly longer with tarlatamab vs chemotherapy Tarlatamab (n = 254) - Tarlatamab -----Chemotherapy 100 -Median PFS, months 3.7 4.2 Progression-free Survival, % HR (Tarlatamab/Chemotherapy) 0.71 80 (95% CI) (0.59, 0.86)RMST p-value (2-sided) p = 0.002*60 40 20% 20 23% 4% 3 15 18 6 9 12 Time from randomization (months) Number of patients at risk: 147 Tarlatamab Chemotherapy 78 18 37 Median follow-up time: 11.0 months for the tarlatamab and the chemotherapy group. *The restricted mean PFS time in the tarlatamab and the chemotherapy group was 5.3 months and 4.3 months at 12 months respectively, resulting in statistically significant improvement of the tarlatamab group over the chemotherapy group.

HR: hazard ratio: PFS, progression-free survival. ASCO CHARGE CHOICE 2025 **ASCO** PRESENTE DE: Charles M. Rudin, MD, PhD #ASC025





Tarlatamab had a more favorable safety profile

	Tarlatamab (n = 252)*	Chemotherapy (n = 244)*
Median duration of treatment, months, (range)	4.2 (< 1–17)	2.5 (< 1–15)
All grade, TEAEs, n (%)	249 (99)	243 (100)
All grade, TRAEs n (%)	235 (93)	223 (91)
Grade ≥ 3 TRAEs, n (%)	67 (27)	152 (62)
Serious TRAEs, n (%)	70 (28)	75 (31)
TRAEs leading to dose interruption and/or dose reduction, n (%)	48 (19)	134 (55)
TRAEs leading to discontinuation, n (%)	7 (3)	15 (6)
Treatment-related grade 5 events†, n (%)	1 (0.4)	4 (2)

Safety analysis set (all patients who received at least one dose of study treatment). The single grade 5 TRAE observed with tarlatamab was attributed to ICANS in the setting of progressive neurological decline concurrent with persistent fever, hypoxemia, and hypotension. Grade 5 TRAEs observed with chemotherapy were attributed to general physical health deterioration (n = 1), pneumonia (n = 1), respiratory tract infection (n = 1), and tumory bysis syndrome (n = 1).

ICANS, immune effector cell-associated neuroloxicity syndrome; TEAE, treatment-emergent adverse event; TRAE, treatment-related adverse event.

2025 ASCO



rassistro er: Charles M. Rudin, MD, PhD

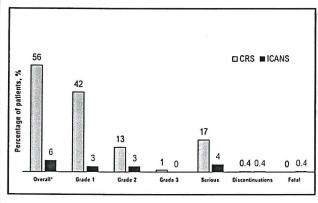
ASCO (INCA) OLECTION

Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.

11

CRS and ICANS events were consistent with tarlatamab's established safety profile

Treatment-emergent CRS and ICANS with tarlatamab



CRS with first two infusions

	Minimum required monitoring duration		
Tarlatamab (N = 252)	6 - 8 Hours (n = 43)	48 Hours (n = 209)	
Treatment emergent CRS, n (%)*	16 (37)	125 (60)	
Grade 1	12 (28)	94 (45)	
Grade 2	4 (9)	28 (13)	
Grade 3	0 (0)	3 (1)	
Serious adverse events	3 (7)	39 (19)	
Leading to discontinuation of IP	0 (0)	1 (0.5)	
Median time to intervention from last larlatamab dose (hours)	17	27	

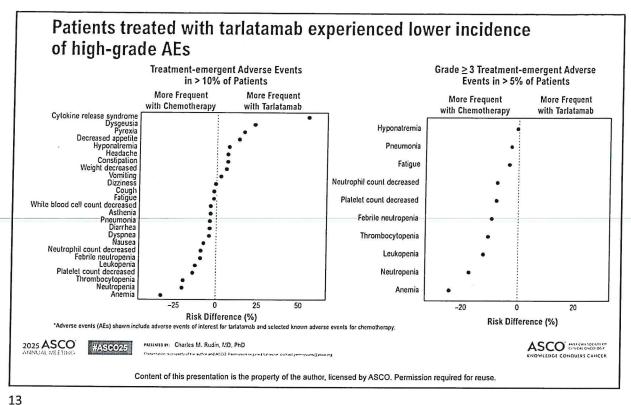
*Grade 4 CRS or ICANS events were not observed. A single grade 5 treatment-related adverse event observed with tariatamab was attributed to ICANS in the setting of progressive neurological decline concurrent with persistent fever, hypoxemia, and hypotension.
CRS, cytokine release syndrome; ICANS, immune effector cell-associated neurotoxicity syndrome; IP, investigational product.

2025 **ASCO**

#ASCO25

PARTITION: Charles M. Rudin, MD, PhD

ASCO ENGLISHER



13

Conclusions

In the phase 3 DeLLphi-304 randomized controlled trial evaluating tarlatamab versus chemotherapy in patients with SCLC whose disease had progressed or recurred following one line of platinum-based chemotherapy with or without immune-checkpoint inhibitor:

- ✓ Tarlatamab treatment achieved a 40% reduction in the risk of death compared to chemotherapy
- ✓ Benefit extended to those with poor prognostic factors such as platinum resistance and brain metastases
- Tarlatamab improved patient reported symptoms of dyspnea and cough compared with chemotherapy
- Tarlatamab was well tolerated with a lower incidence of high-grade adverse events and a lower incidence of adverse events that led to treatment discontinuations
- ✓ CRS and ICANS were mostly grade 1 or 2 in severity and generally manageable
- The superior survival outcomes coupled with the favorable patient-reported outcomes and safety profile affirm tarlatamab as the standard of care for 2L treatment of SCLC
- The DelLphi-304 study establishes a new paradigm for bispecific T-cell engager immunotherapy in lung cancer

ZL, second line; CRS, cytokine release syndrome; ICANS, immune effector cell-associated neurotoxicity syndrome; SCLC, small cell lung cancer,





PALSENILO DE: Charles M. Rudin, MD, PhD

ASCO CINCULONCOLOGY KNOWLEDGE CONQUES CANCER



The NEW ENGLAND JOURNAL of MEDICINE

ORIGINAL ARTICLE

Tarlatamab in Small-Cell Lung Cancer after Platinum-Based Chemotherapy



2025 ASCO



PAISINTION: Charles M. Rudin, MD, PhD

ASCO WELL SHEDGE OF

Content of this presentation is the property of the author, licensed by ASCO. Permission required for reuse.

15

Lay summary



The DelLphi-304 study was conducted to compare how effective and safe tarlatamab was in comparison to the currently available chemotherapy drugs for SCLC that had not responded to or had come back after initial treatment with chemotherapy (recurrent SCLC).



Patients given tarlatamab:

- · had a 40% reduced risk of death
- lived longer overall and without their cancer growing or spreading
- reported improved outcomes with cancer-related symptoms such as shortness of breath and cough



- In the tarlatamab group, patients had fewer severe side effects and stopped treatment less often due to side effects
- Side effects of CRS and ICANS were low grade and generally manageable

The results of the DelLphi-304 study show that tarlatamab is more effective and safer than the currently available chemotherapy options for recurrent SCLC.

CRS, cytokine release syndrome; ICANS, immune effector cell-associated neurotoxicity syndrome; SCLC, small cell lung cancer.





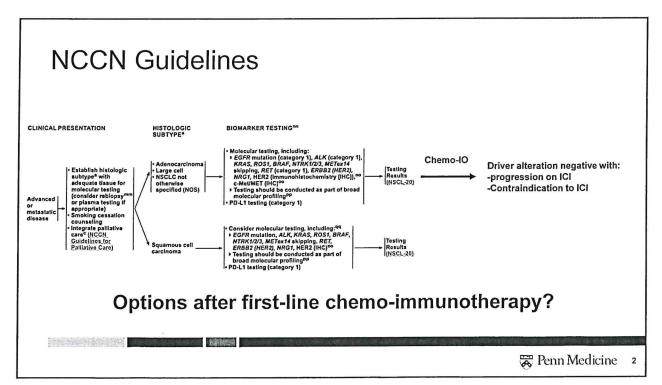
PASSINITO PY: Charles M. Rudin, MD, PhD

ASCO EMPLEAS CONCERN CANCER



ASCO 2025 review: advanced driver mutation negative NSCLC Benjamin Bleiberg

July 11, 2025



Next-line options

- ► Docetaxel +/- VEGF inhibitor
- ► IO beyond progression +/- radiation
- Pemetrexed
- Gemcitabine
- Nab-paclitaxel

Dragnev et al, 2025

Renn Medicine

Standard of Care Outcomes

REVEL (2014) - chemotherapy

- Docetaxel: mPFS: 4.5 months and mOS: 9.1 months
- ► Docetaxel + Ramucirumab: mPFS: 3.0 months and mOS: 10.5 months

OAK (2018) - IO beyond radiographic progression

► Atezolizumab: mPFS 4.2 months and post-progression mOS 12.7 months

Garon et al, 2014 Gandara et al, 2018

Renn Medicine



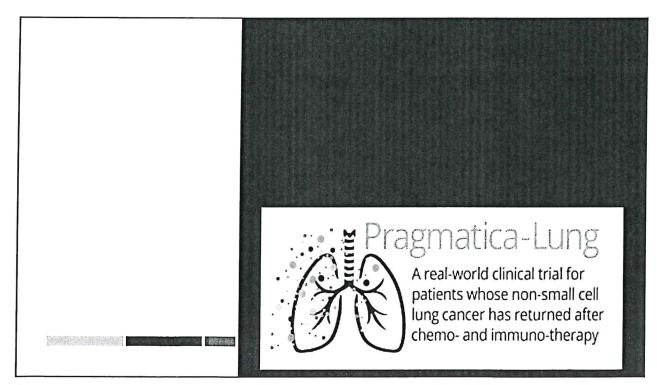
Lung-MAP S1800A

- ► Phase II cooperative group trial
- Advanced NSCLC with progression on prior chemo-IO
- ► 136 patients randomized to ramucirumab and pembrolizumab vs. investigator's choice chemo

Result

- mOS 14.5 vs 11.6 months favoring ramucirumab + pembrolizumab
- ► HR for OS: 0.69 (95% CI: 0.51-0.92)
- ► HR for PFS: 0.86 (95% CI: 0.66-1.14)
- ► Response Rate 22% vs 28% favoring chemo
- ► Grade ≥3 adverse events 42% vs 60% favoring ramucirumab + pembrolizumab

🐺 Penn Medicine



Trial Schema

Phase III Randomized trial

Arm 1: pembrolizumab + ramucircumab VS.

Arm 2: investigator's choice chemotherapy

Enrollment: 3/2023-12/2025

Primary Outcome: Overall Survival

Secondary Outcome: Safety (grade ≥ 3) TRAE's and all grade 5 events)

Inclusion: prior exposure to platinumbased chemo and PD-(L)1 ≥ 84 days

Exclusion: ECOG PS >2

Reckamp et al, 2024

7

Renn Medicine

Pragmatica-Lung

Pragmatica-Lung

Stratification:

-PS 0/1 vs 2

ARM A

Standard of Care

Previously treated Stage IV or recurrent non-small cell lung cancer

Randomization

ARM B

Ramucirumab

Pembrolizumab

Accrual Goal: 800 participants

Trial Particiannts

Sample: 838 patients (419 per arm)

Sites: 667 US academic and

community centers

Enrollment: 3/2023-12/2024

Race/Ethnicity: 78% White, 13% Black, 4% Asian, 4% Hispanic

ECOG PS: 0-1 = 87% 2 = 13%

Histology: 63% adenocarcinoma,

29% squamous, 8% other

Median follow-up: 5.2 months

	Star	dard of Care	Ramuciruma	o + Pembrolizumab
		(n=419)		n=419)
Age (median)	68.7	34.7-88.2	67.7	33.8-87
Female Sex	170	41%	197	47%
Race/Ethnicity				
White	317	76%	335	80%
Black	62	15%	50	12%
Asian	17	4%	15	4%
Hispanic	17	4%	15	4%
Most recent therapy I/O Yes	339	81%	336	80%
No	80	19%	83	20%
PS 0-1	365	87%	361	86%
PS 2	54	13%	58	14%
Squamous cell carcinoma	120	29%	122	29%
Non-squamous cell carcinoma	a 296	71%	292	71%
PD-L1 Negative.<1%	133	36%	144	38%
Positive,>=1%	235	65%	232	63%
Positive,>=50%	98	27%	66	18%
Number of prior lines 0	36	9%	36	9%
	233	56%	221	53%
2	95	23%	106	25%
3+	54	13%	53	13%

Dragnev et al, 2025 Renn Medicine

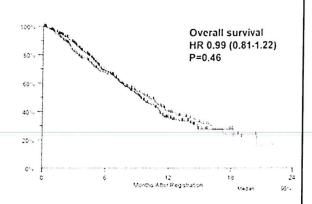
Results



- Median OS: 10.1 vs. 9.3 months favoring pembro + ram
- ► HR for OS: 0.99 (95% CI: 0.81-1.22, p=0.46)
- ► HR SCC: 0.82 (95% CI 0.56-1.22, p=0.17)
- HR non-SCC: 1.09 (95% CI 0.85-1.39, p=0.75)

Author take home points:

- Pembro + Ram did not improve OS, but was not worse than chemo offers a chemo-free option for patients
- 2. Some with SCC may benefit from Pembro + Ram
- 3. Some subgroups may benefit with delayed curve sepăration



Dragnev et al, 2025

Renn Medicine

9

Trial Strengths



- Multi-institutional cooperative group cohort
- Representative patient population
- Rapid accrual of a large sample
- Clinically relevant question and endpoint (OS)
- Appropriate control arm
- Pragmatic Trial: minimized data collection, study visits, forms, concomitant data collections, reduced time toxicity and administrative costs
- Compared to Lung-MAP S1800A: increased recruitment of elderly, rural, and minority patients, 45+% reduction in forms and data elements collected

Reckamp et al, 2025 Dragnev et al, 2025

Penn Medicine 10

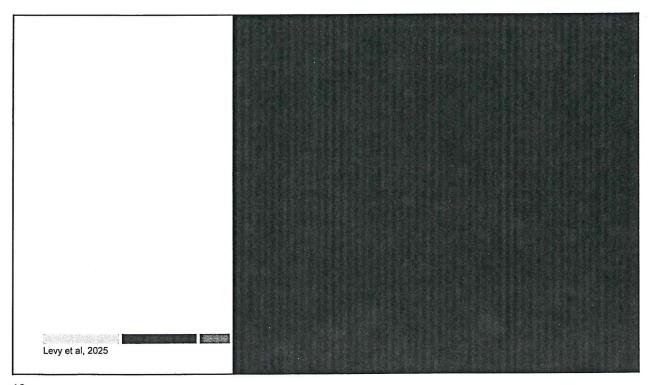
Trial Implications

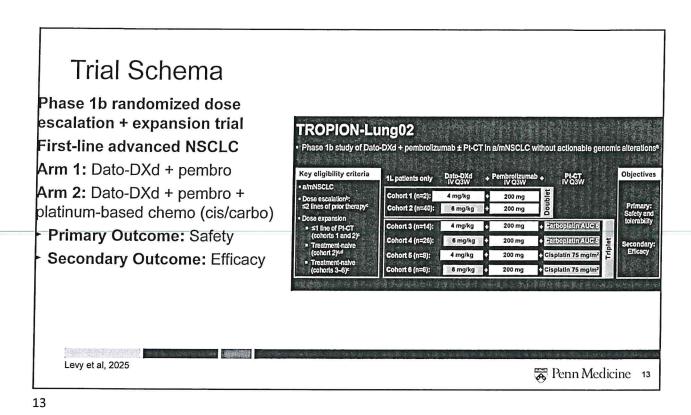


- ► Pembro + Ramucirumab is not superior to investigator's choice chemotherapy
- Pembro + Ramucirumab is a reasonably effective and well-tolerated, chemotherapy-free treatment option after progression on chemo-IO
- Ongoing investigation of novel therapeutics (bispecific antibodies, intratumoral therapies, ADCs) is needed to improve outcomes in the second line setting
- Pragmatic trial designs may ease burdens on patients and help recruit more
 representative sample populations with faster accrual

Penn Medicine 11

11





Trial Particiapnts

► Sample: 96 patients (42 doublet + 54 triplet)

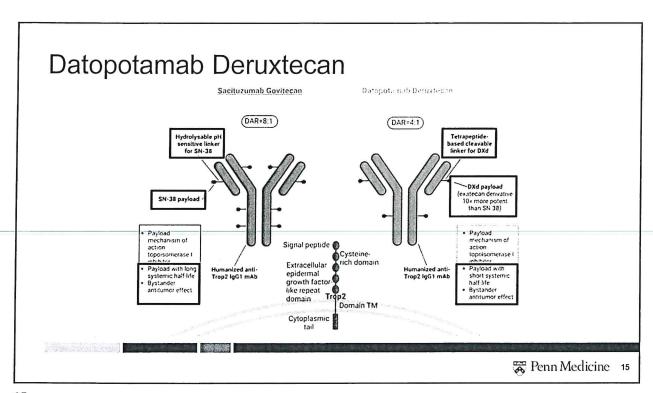
► Sites: international multi-center trial

Median age: 65 vs. 64 years

► Histology: 78% non-squamous, 22% squamous

Exclusion: EGFR, ALK, ROS1, NTRK, BRAF, RET, MET

Levy et al, 2025 Penn Medicine 14



15

Safety Results

- ► Median treatment duration: 9.7 vs. 5.8 months favoring doublet
- Stomatitis: 57% vs. 33%
- Nausea: 42% vs. 48%
- Grade > 3 treatment related adverse events: 40.5% vs 55.6%
- ► Grade 5 events: no events in either arm
- ► Common grade ≥ 3 AEs: neutropenia (13%), anemia (13%), fatigue (6%), nausea (6%), ILD (3.1%, n=3)

Levy et al, 2025

Renn Medicine 16

Efficacy Results

► Objective Response Rate: 55% vs. 56%

► Disease Control Rate: 88% vs. 89%

► Duration of Response: 20.1 vs. 13.7 months

► Median PFS: 11.2 vs. 6.8 months

Non-squamous

► Objective Response Rate: 52% vs. 57%

► Disease Control Rate: 88% vs. 91%

► Duration of Response: 24.9 vs. 18.0 months

▶ Median PFS: 11.2 vs. 10.8 months

Levy et al, 2025

Penn Medicine 17

17

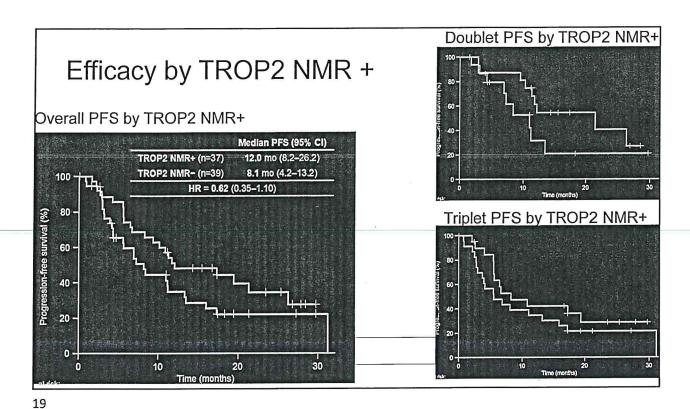
Efficacy Results

Summary of TROPION-Lung02 First-Line Efficacy Results

Efficacy Measure	Doublet			Triplet		
	Overall (n=42)	PD-L1<50% (n=30)	PD-L1≥50% (n=5)	Overall (n=54)	PD-L1<50% (n=40)	PD-L1≥50% (n=10)
Confirmed ORR, ^{i,ii} % (95% CI)	54.8% (38.7–70.2)	53.3% (34.3- 71.7)	100% (47.8–100)	55.6% (41.4- 69.1)	55% (38.5-70.7)	60% (26.2–87.8
CR, %	2.4%	3.3%	0%	3.7%	2.5%	10%
PR, %	52.4%	50%	100%	51.9%	52.5%	50%
SD, %	33%	NA	NA	33%	NA	NA
PD, % (n)	7%	NA	NA	4%	NA	NA
DCR, % (n) ⁱⁱⁱ (95% CI)	88.1% (37) (74.4- 96.0)	96.7% (29) (82.8–99.9)	100% (5) (47.8- 100)	88.9% (48) (77.4–95.8)	87.5% (35) (73.2–95.8)	90% (9) (55.5– 99.7)
Median DoR, (months) (95% CI)	20.1 months (9.7- NE)	12 months (8.0- NE)	NE (5.5-NE)	13.7 months (5.7-NE)	14.6 months (5.3-NE)	NE (4.1-NE)
Median PFS, (months) (95% CI)	11.2 months (8.2– 21.3)	11.1 months (7.2–13.3)	NE (8.3-NE)	6.8 months (5.5-11.1)	6.4 months (5.5–13.2)	6.8 months (0.8-NE)

Levy et al, 2025

Renn Medicine 18



Trial Design Pros and Cons

Strengths

- ► International, multi-center design
- ► Relevant clinical question

Weaknesses

- No standard of care control arm
- ► Small sample
- Primary outcome of safety not efficacy
- ► Sample may not be representative of our patient population

Penn Medicine 20

Trial Implications

Authors:

- 1) Dato-DXd + pembro with or without platinum-based chemo is a viable treatment option in the first-line setting for advanced NSCLC
- 2) These findings support the ongoing investigations of investigational therapeutic combinations with Dato-DXd (with rilvegostomig a PD-1 and TIGIT bispecific in mNSCLC TROPION-Lung04 and with durvalumab and chemo in early-stage disease NeoCOAST-2

Our Take:

- 1) Additional efficacy and safety data is needed to identify if Datopotamab has a role in the first-line setting
- 2) TROP2 NMR testing may be relevant to identifying the appropriate patients for this approach

Penn Medicine 21