

Thoracic Malignancies Best of ASCO 2024

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Disclosures:

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AbbVie, Amgen, Aprea, Astellas, AstraZeneca, Astellas, Beigene, BMS, Checkmate, Elicio, Genmab, Genentech, Gilead, GSK, Immunocore, Inbrx, Incyte, Jacobio, Lilly, Merck, Mirati, Novartis, Pfizer, Poseida, Tempus, Seattle Genetics, and Sophia

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Non-Small Cell Lung Cancer Stage IV 1st line: 8506

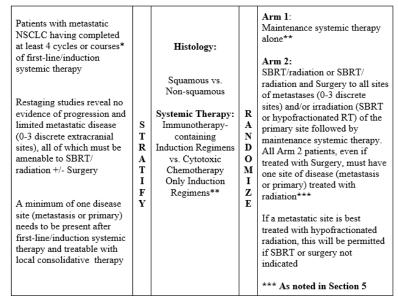
NRG-LU002: Randomized Phase II/III Trial Of Maintenance Systemic Therapy Versus Local Consolidative Therapy (LCT) Plus Maintenance Systemic Therapy For Limited Metastatic Non-Small Cell Lung Cancer (NSCLC)

Puneeth Iyengar, MD, PhD, Chen Hu, PhD, Daniel Gomez, MD, Robert Timmerman, MD, Charles Simone, MD, Clifford Robinson, MD, David Gerber, MD, Saiama N Waqar, MBBS, MSCI, Jessica S Donington, MD, Stephen G Swisher, MD, Michael Weldon, MSc, Jackie Wu, PhD, Bryan Faller, MD, Sawsan Rashdan, MD, Kevin L Stephans, MD, Pamela Samson, MD, Kristin A Higgins, MD, Ryan Nowak, MD, Jessica A Lyness, MS, Jeffrey D Bradley, MD

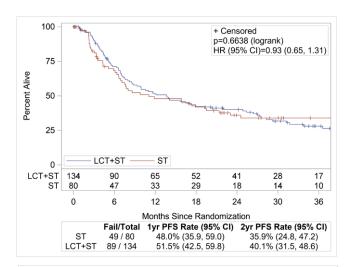


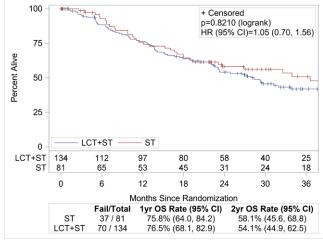
Non-Small Cell Lung Cancer Stage IV 1st line: NRG-LU002

 NRG-LU002: Randomized phase II/III trial of maintenance systemic therapy versus local consolidative therapy (LCT) plus maintenance systemic therapy for limited metastatic non-small cell lung cancer (NSCLC).



Primary objective of Ph II: PFS Primary Objective of Ph III: OS



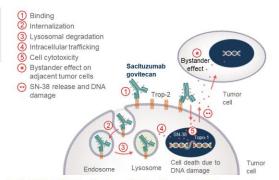




Non-Small Cell Lung Cancer Stage IV 2nd line: LBA8500

Sacituzumab Govitecan Is a First-in-Class Trop-2-Directed Antibody-Drug Conjugate

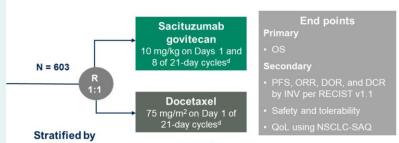
SN-38 payload • SN-38 is more potent than the parent compound, irinotecan (Topo-1 inhibitor) • SN-38 is rapidly internalized and efficiently released to the tumor with minimized effect on healthy tissues Linker for SN-38 • pH-sensitive, hydrolyzable linker for SN-38 release in targeted tumor cells and tumor microenvironment, allowing bystander effect • High drug-to-antibody ratio (7.6:1)¹ Humanized anti—Trop-2 antibody • Binds with high (K₀ = 0.3 nM) affinity to Trop-2, an epithelial antigen expressed on many solid tumors²



EVOKE-01: Global, Randomized, Open-Label, Phase 3 Study

Key eligibility criteria

- Measurable stage IV NSCLC
- ECOG PS 0-1
- Radiographic progression after platinumbased and anti-PD-(L)1–containing regimen^a
- In addition, patients with known AGAs must have received ≥ 1 approved TKI^b
 - EGFR/ALK test required. Testing of other AGAs recommended^c
- Previously treated stable brain metastases were included
- No prior treatment with Topo-1 inhibitors, Trop-2-targeted therapies, or docetaxel



- Histology (squamous vs nonsquamous)
- Response to last anti-PD-(L)1-containing regimen (responsive [best response CR/PR] vs nonresponsive [PD/SD])
- Received prior targeted therapy for AGA (yes vs no)

At data cutoff (29 November 2023), the study median follow-up was 12.7 months (range, 6.0-24.0)



Non-Small Cell Lung Cancer Stage IV 2nd line: EVOKE-01 + TROPION-Lung01

	TROPION-Lung01 ¹⁴		EVOKE-01 ¹²	
	Dual Primary End Point PFS (BIRC), OS		os	
Primary End Point	Datopotamab-Deruxtecan	Docetaxel	Sacituzumab-Govitecan	Docetaxel
No.	299	305	299	304
Male, %	61	69	65	71
Median age	63	64	66	64
Nonsquamous/squamous, %	78/22	77/23	72/28	74/26
AGAs, %	17	17	6.4	8.2
Prior anti-PD(L)-1, %	88	88	100	100
Prior treatment lines 1/2/3, %	56/36/7	57/33/9	56/34/10	55/33/12
ORR, % (95% CI)	26.4 (21.5 to 31.8)	12.8 (9.3 to 17.1)	13.7 (10.0 to 18.1)	18.1 (13.9 to 22.9)
Median DoR, months (95% CI)	7.1 (5.6 to 10.9)	5.6 (5.4 to 8.1)	6.7 (4.4 to 9.8)	5.8 (4.1 to 8.3)
Median PFS, months (95% CI)	4.4 (4.2 to 5.6) ^a	3.7 (2.9 to 4.2) ^a	4.1 (3.0 to 4.4) ^b	3.9 (3.1 to 4.2)b
HR for PFS (95% CI)	0.75 (0.62 to 0.91) ^a	0.92 (0.77 to 1.11) ^b		
HR for PFS in nonsquamous (95% CI)	0.63 (0.51 to 0.78) ^a	0.94 (0.67 to 1.32)b		
HR for PFS in squamous (95% CI)	1.38 (0.94 to 2.02) ^a	0.93 (0.75 to 1.15)b		
Median OS, months (95% CI)	12.4 (10.8 to 14.8) ^c	11.0 (9.8 to 12.5) ^c	11.1 (9.4 to 12.3)	9.8 (8.1 to 10.6)
HR for OS, (95% CI)	0.90 (0.72 to 1.13) ^c	0.84 (0.68 to 1.04)		
TRAEs leading to treatment discontinuation, %	8	12	6.8	14.2



Non-Small Cell Lung Cancer With KRAS G12C: LBA 8509



KRYSTAL-12: phase 3 study of adagrasib versus docetaxel in patients with previously treated locally advanced or metastatic non-small cell lung cancer (NSCLC) harboring a *KRAS*^{G12C} mutation

<u>Tony S. K. Mok</u>,¹ Wenxiu Yao,² Michaël Duruisseaux,³⁻⁵ Ludovic Doucet,⁶ Aitor Azkárate Martínez,⁷ Vanesa Gregorc,⁸ Oscar Juan-Vidal,⁹ Shun Lu,¹⁰ Charlotte De Bondt,¹¹ Filippo de Marinis,¹² Helena Linardou,¹³ Young-Chul Kim,¹⁴ Robert Jotte,¹⁵ Enriqueta Felip,¹⁶ Giuseppe Lo Russo,¹⁷ Martin Reck,¹⁸ Mary F. Michenzie,¹⁹ Wenjing Yang,¹⁹ Julie N. Meade,^{19a} Fabrice Barlesi²⁰

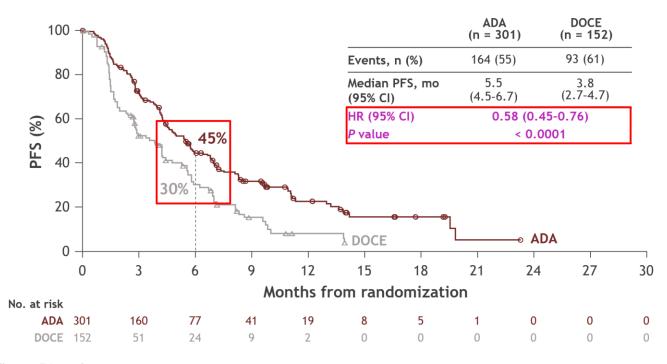
¹Chinese University of Hong Kong, Hong Kong Special Administrative Region, China; ²Sichuan Cancer Hospital & Institute, Chengdu, China; ³Louis Pradel Hospital, Hospices Civils de Lyon Cancer Institute, Lyon, France; ⁴Cancer Research Center of Lyon, UMR INSERM 1052, CNRS 5286, Lyon, France; ⁵Université Claude Bernard Lyon 1, Université de Lyon, Lyon, France; ⁵Institut de Cancérologie de l'Ouest, Nantes, France; ¬Hospital Universitario Son Espases, Mallorca, Spain; ⁸Candiolo Cancer Institute, FPO-IRCCS, Candiolo, Italy; ⁹Hospital Universitari i Politècnic La Fe, Valencia, Spain; ¹⁰Shanghai Chest Hospital, Shanghai Jiao Tong University, Shanghai, China; ¹¹Antwerp University Hospital, University of Antwerp, Antwerp, Belgium; ¹²Istituto Europeo di Oncologia, IRCCS, Milan, Italy; ¹³Fourth Oncology Department & Comprehensive Clinical Trials Center, Metropolitan Hospital, Athens, Greece; ¹⁴Chonnam National University Medical School and CNU Hwasun Hospital, Hwasun-Gun, Republic of Korea; ¹⁵Rocky Mountain Cancer Center, US Oncology Research, Denver, CO, USA; ¹6Vall d'Hebron Institute of Oncology, Vall d'Hebron Barcelona Hospital Campus, Universitat Autonoma de Barcelona, Barcelona, Spain; ¹७Fondazione IRCCS Istituto Nazionale dei Tumori, Milan, Italy; ¹8Airway Research Center North, German Center for Lung Research, LungenClinic, Grosshansdorf, Germany; ¹9Mirati Therapeutics, a Bristol Myers Squibb company, San Diego, CA, USA; ²0Gustave Roussy & Paris Saclay University, Villejuif, France



Non-Small Cell Lung Cancer (NSCLC) With KRAS G12C - KRYSTAL-12

KRYSTAL-12: ADA in previously treated KRASG12C NSCLC

Primary endpoint: PFSa per BICR



Median follow-up: 7.2 months.

^aTime from randomization to the date of disease progression per BICR or death due to any cause, whichever occurs first. For patients who started a subsequent anticancer therapy prior to disease progression or death, PFS was censored at the date of the last tumor assessment prior to the start of the new therapy.



Non-Small Cell Lung Cancer With EGFR Alterations – Treatment naïve

	FLAURA	FLAURA 2	MARIPOSA
Design	Osimertinib vs 1 st Gen TKI	Chemo + Osimertinib vs Osimertinib	Amivantamab + Lazertinib vs Osi
ORR (%)	80 vs 76	83 vs. 76	86 vs. 85
Median DOR (mo)	17.2 vs 8.5	24.0 vs. 15.3	25.8 vs. 16.8
Median PFS (mo)	18.9 vs 10.2	25.5 vs. 16.7	23.7 vs. 16.6
Median OS	35.8 vs 27.0	Not mature	Int. OS favors Ami + Laz (HR:0.80)
AEs - G≥ 3 (%)	We all know!	54 vs. 11	More skin toxicity
FDA	Approved	Approved (Feb 2024)	Evaluating



Non-Small Cell Lung Cancer With EGFR Alterations: Post-Osimertinib

MARIPOSA 2	Ami + Laz + Chemo (n=263)	Ami + Chemo (n=131)	Chemo (n=263)
ORR (%)	63	64	36
Median DOR (mo)	9.4	6.9	5.6
Median PFS (mo)	8.3	6.3	4.2
Median PFS -intracranial (mo)	12.8	12.5	8.3
PFS @ 1-year	54	50	34
Interim OS	0.96 (0.67-1.35	0.77 (0.49-1.21)	



Non-Small Cell Lung Cancer With *EGFR* Alterations: Post-Osi - LBA8505

Subcutaneous amivantamab vs intravenous amivantamab, both in combination with lazertinib, in refractory *EGFR*-mutated, advanced non-small cell lung cancer

Primary results, including overall survival, from the global, phase 3, randomized controlled PALOMA-3 trial

<u>Natasha B Leighl</u>,¹ Hiroaki Akamatsu,² Sun Min Lim,³ Ying Cheng,⁴ Anna R Minchom,⁵ Melina E Marmarelis,⁶ Rachel E Sanborn,⁷ James Chih-Hsin Yang,⁸ Baogang Liu,⁹ Thomas John,¹⁰ Bartomeu Massutí,¹¹ Alexander I Spira,¹² John Xie,¹³ Debopriya Ghosh,¹³ Ali Alhadab,¹⁴ Remy B Verheijen,¹⁵ Mohamed Gamil,¹⁶ Joshua M Bauml,¹⁶ Mahadi Baig,¹³ Antonio Passaro¹⁷

¹Princess Margaret Cancer Centre, Toronto, ON, Canada; ²Internal Medicine III, Wakayama Medical University, Wakayama, Japan; ³Division of Medical Oncology, Department of Internal Medicine, Yonsei University College of Medicine, Seoul, South Korea; ⁴Jilin Cancer Hospital, Changchun, China; ⁵Drug Development Unit, The Royal Marsden Hospital and The Institute of Cancer Research, Sutton, UK; ⁶Division of Hematology and Oncology, Department of Medicine, Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA, USA; ⁷Earle A. Chiles Research Institute, Providence Cancer Institute, Portland, OR, USA; ⁸Department of Medical Oncology, National Taiwan University Cancer Center, Taipei, Taiwan; ⁹Harbin Medical University Cancer Hospital, Harbin, China; ¹⁰Peter MacCallum Cancer Centre, The University of Melbourne, Melbourne, Australia; ¹¹Alicante University Dr. Balmis Hospital, ISABIAL, Alicante, Spain; ¹²Virginia Cancer Specialists, Fairfax, VA, USA; ¹³Janssen Research & Development, Raritan, NJ, USA; ¹⁴Janssen Research & Development, Leiden. The Netherlands: ¹⁶Janssen Research & Development, Spring House, PA, USA; ¹⁷European Institute of Oncology IRCCS, Milano, Italy.



Non-Small Cell Lung Cancer With *EGFR* Alterations: PALOMA-3

PALOMA-3: Phase 3 Study Design

SC Amivantamab + Lazertinib

PALOMA-3 Ami + Laz in 3L FGFR+ NSCLC

Key eligibility criteria

- Locally advanced or metastatic NSCLC
- Disease had progressed on or after osimertinib and platinumbased chemotherapy, irrespective of order
- Documented EGFR Ex19del or L858R
- ECOG PS 0-1

Stratification factors

- Brain metastases (yes or no)
- EGFR mutation type (Ex19del vs L858R)
- · Race (Asian vs non-Asian)
- Type of last therapy (osimertinib vs chemotherapy)

(n=206)

IV Amivantamab + Lazertinib
(n=212)

Dosing (in 28-day cycles)

SC Amivantamaba,b (co-formulated with rHuPH20 and administered by manual injection): 1600 mg (2240 mg if ≥80 kg) weekly for the first 4 weeks, then every 2 weeks thereafter

IV Amivantamab^b: 1050 mg weekly (1400 mg if ≥80 kg) for the first 4 weeks, then every 2 weeks thereafter

Lazertinib: 240 mg PO daily

Prophylactic anticoagulation recommended for the first 4 months of treatment

Co-primary endpoints^c:

- C_{trough} (noninferiority)^d
- C2 AUC (noninferiority)e

Secondary endpoints:

- · ORR (noninferiority)
- · PFS (superiority)
- DoR
- Patient satisfaction^f
- Safety

Exploratory endpoints:

OS

PALOMA-3 (ClinicalTrials.gov Identifier: NCT05388669) enrollment period: August 2022 to October 2023; data cutoff: 03-Jan-2024

as a mivantamab was co-formulated with rHuPH20 at a concentration of 160 mg/mL. C1 for IV: Days 1 to 2 (Day 2 applies to IV split dose only [350 mg on Day 1 and the remainder on Day 2]), 8, 15, and 22; C1 for SC: Days 1, 8, 15, and 22; after C1 for all: Days 1 and 15 (28-day cycles). For calculating primary and key secondary outcomes, we estimated that a sample size of 400 patients would provide >95% power for a 1-sided alpha of 0.05 allocated to each of the co-primary endpoints and 80% power with a 1-sided alpha of 0.025 allocated to ORR. A hierarchical testing approach at a 2-sided alpha of 0.05 was used for the co-primary endpoints (noninferiority), followed by ORR (noninferiority) and PFS (superiority), with a combined 2-sided alpha of 0.05. Two definitions of the same endpoint were used as per regional health authority guidance. Measured between C2D1 and C2D15. Assessed by modified TASQ.

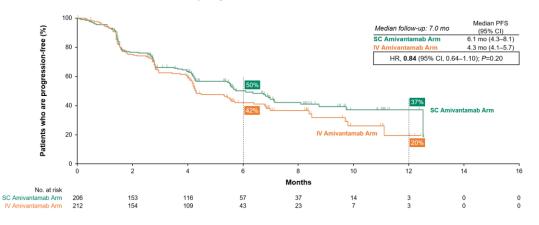
AUC, area under the concentration-time curve; C, Cycle; C_{trough}, observed serum concentration of amivantamab at steady state; D, Day; DoR, duration of response; ECOG PS, Eastern Cooperative Oncology Group performance status; EGFR, epidermal growth factor receptor; Ex19del, Exon 19 deletion; IV. intravenous; NSCLC, non-small cell lung cancer; ORR, objective response rate; OS, overall survival; PFS, progression-free survival; PO, orally; rHuPH20, hyaluronidase; SC, subcutaneous; TASQ, Therapy Administration Satisfaction Questionnaire.



Non-Small Cell Lung Cancer With *EGFR* Alterations: PALOMA-3

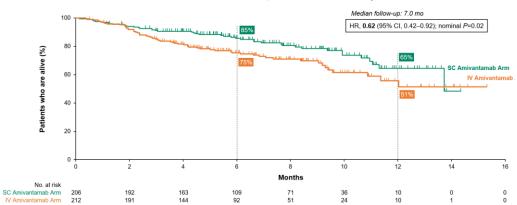
Progression-free Survival

PFS was numerically longer with SC vs IV amivantamab, with an HR of 0.84



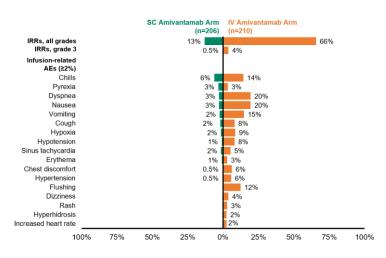
Overall Survival

There was an OS benefit associated with SC amivantamab, with an HR of 0.62 compared to the IV amivantamab arma



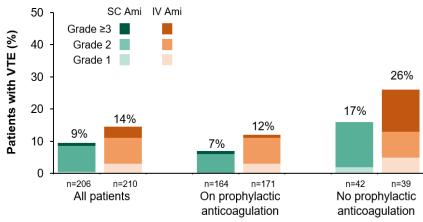


Non-Small Cell Lung Cancer With *EGFR* Alterations: PALOMA-3



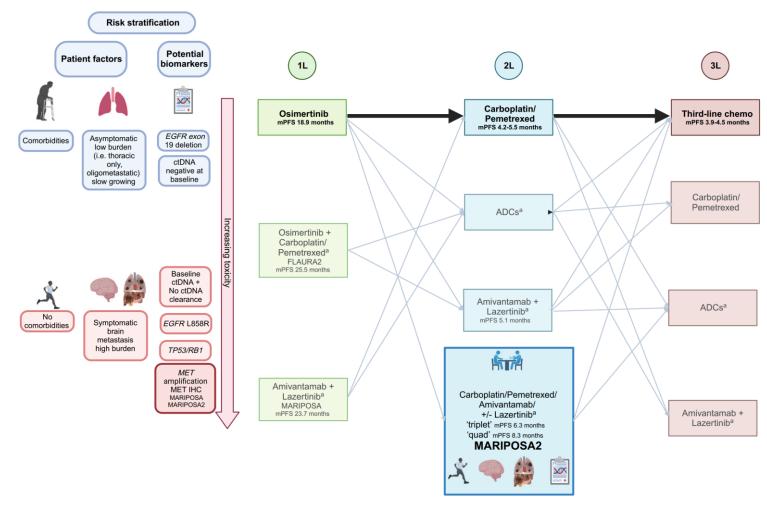
- IRRs were observed in 13% of patients in the SC arm vs 66% in the IV arm, representing a 5-fold reduction
- There were no grade 4 or 5 IRRs
- Most IRRs occurred during Cycle 1
- IRRs leading to hospitalization were not observed in the SC arm vs 2 events in the IV arm
- No IRR-related discontinuations occurred in the SC arm vs 4 events in the IV arm

Rates of VTE by Treatment Arm and Prophylaxis Status





Non-Small Cell Lung Cancer With *EGFR* Alterations: Sequencing





Non-Small Cell Lung Cancer with *ALK* Fusion: LBA8503



Lorlatinib vs Crizotinib in Treatment-Naive Patients With Advanced *ALK*+ Non-Small Cell Lung Cancer: 5-Year Progression-Free Survival and Safety From the CROWN Study

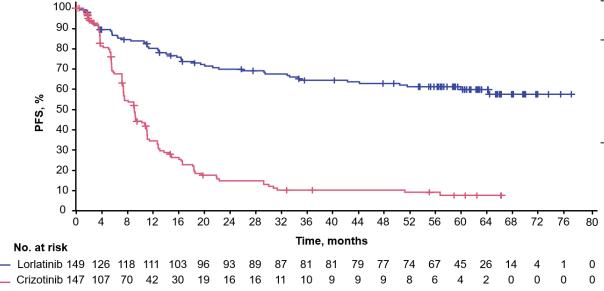
Benjamin J. Solomon,¹ Geoffrey Liu,² Enriqueta Felip,³ Tony S. K. Mok,⁴ Ross A. Soo,⁵ Julien Mazieres,⁶ Alice T. Shaw,⁷ Filippo de Marinis,⁸ Yasushi Goto,⁹ Yi-Long Wu,¹⁰ Dong-Wan Kim,¹¹ Jean-François Martini,¹² Rossella Messina,¹³ Jolanda Paolini,¹³ Anna Polli,¹³ Despina Thomaidou,¹⁴ Francesca Toffalorio,¹³ Todd M. Bauer¹⁵

¹Peter MacCallum Cancer Centre, Melbourne, VIC, Australia; ²Princess Margaret Cancer Centre, Toronto, ON, Canada; ³Vall d'Hebron University Hospital and Vall d'Hebron Institute of Oncology, Barcelona, Spain; ⁴State Key Laboratory of Translational Oncology, Chinese University of Hong Kong, Hong Ko



Non-Small Cell Lung Cancer with *ALK* Fusion: CROWN Study

At 60.2 Months of Median Follow-Up, Median PFS by Investigator Was Still Not Reached With Lorlatinib



	Lorlatinib (n=149)	Crizotinib (n=147)
Events, n	55	115
PFS, median (95% CI), months	NR (64.3-NR)	9.1 (7.4-10.9)
HR (95% CI)	0.19 (0.13-0.27)	

HR, hazard ratio; NR, not reached; OS, overall survival; PFS, progression-free survival



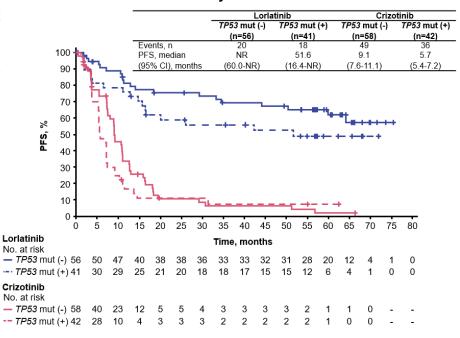
Non-Small Cell Lung Cancer with *ALK* Fusion – CROWN Study

Lorlatinib Treatment Benefited Patients With Poor Prognostic Biomarkers



Variant 1 Variant 3a/b Lorlatinib Crizotinib Lorlatinib Crizotinib (n=23) Events, n 23 21 PFS, median 64.3 7.4 60.0 5.6 (95% CI), months (33.3-NR) (5.3-7.6)(26.0-NR) (5.5-9.0)90 80 70 60 PFS, % 50 30 20 10 10 15 20 25 30 35 40 45 50 55 EML4::ALK variant 1 Time, months No. at risk EML4::ALK variant 3 No. at risk -- Lorlatinib 18 15

PFS by TP53 Status



ctDNA, circulating tumor DNA; mut, mutation; NR, not reached; PFS, progression-free survival. Based on ctDNA from plasma collected at screening



Non-Small Cell Lung Cancer (NSCLC) With EGFR Alterations: LBA4



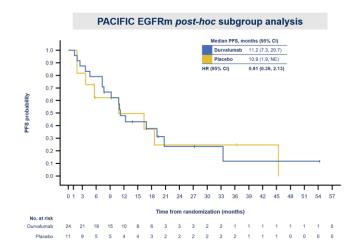
Osimertinib after definitive chemoradiotherapy in patients with unresectable stage III epidermal growth factor receptor-mutated (EGFRm) NSCLC: primary results of the Phase 3 LAURA study

<u>Suresh S. Ramalingam,</u>¹ Terufumi Kato, Xiaorong Dong, Myung-Ju Ahn, Le-Van Quang, Nopadol Soparattanapaisarn, Takako Inoue, Chih-Liang Wang, Meijuan Huang, James Chih-Hsin Yang, Manuel Cobo, Mustafa Özgüroğlu, Ignacio Casarini, Dang-Van Khiem, Virote Sriuranpong, Eduardo Cronemberger, Xiangning Huang, Toon van der Gronde, Dana Ghiorghiu, Shun Lu

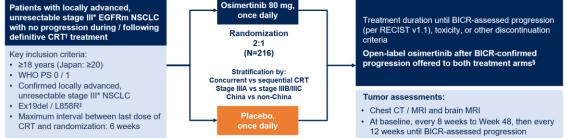
¹Emory University School of Medicine, Winship Cancer Institute, Atlanta, GA, USA



Non-Small Cell Lung Cancer With EGFR Alterations: LAURA Study



LAURA Phase 3 double-blind study design



Endpoints

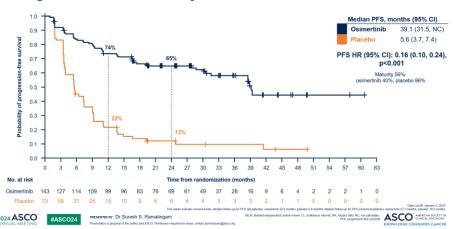
- · Primary endpoint: PFS assessed by BICR per RECIST v1.1 (sensitivity analysis: PFS by investigator assessment)
- · Secondary endpoints included: OS, CNS PFS, safety



Naidoo J, et al. JTO 2023, 18(5): 657

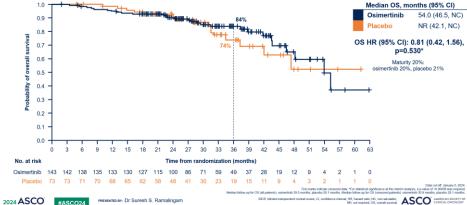
Non-Small Cell Lung Cancer With EGFR Alterations: LAURA Study

Progression-free survival by BICR



Interim analysis of overall survival

In the placebo arm, 81% of patients with BICR-confirmed progression crossed over to osimertinib











Small Cell Lung Cancer (SCLC) Consolidation in Limited-Stage – LBA5



ADRIATIC: durvalumab as consolidation treatment for patients with limited-stage small-cell lung cancer (LS-SCLC)

<u>David R. Spigel</u>, Ying Cheng, Byoung Chul Cho, Konstantin Laktionov, Jian Fang, Yuanbin Chen, Yoshitaka Zenke, Ki Hyeong Lee, Qiming Wang, Alejandro Navarro, Reyes Bernabe, Eva Buchmeier, John Wen-Cheng Chang, Isamu Okamoto, Sema Sezgin Goksu, Andrzej Badzio, Bethany Gill, Hema Gowda, Haiyi Jiang, Suresh Senan



Small Cell Lung Cancer (SCLC) Consolidation in Limited-Stage - ADRIATIC

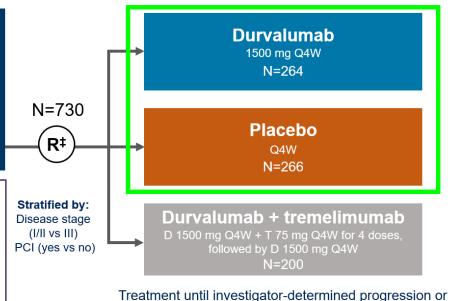
ADRIATIC study design

Phase 3, randomized, double-blind, placebo-controlled, multicenter, international study (NCT03703297)

- Stage I–III LS-SCLC (stage I/II inoperable)
- WHO PS 0 or 1
- Had not progressed following cCRT*
- PCI* permitted before randomization

cCRT components

- Four cycles of platinum and etoposide (three permitted[†])
- RT: 60–66 Gy QD over 6 weeks or 45 Gy BID over 3 weeks
- RT must commence no later than end of cycle 2 of CT



intolerable toxicity, or for a maximum of 24 months

Dual primary endpoints:

- · Durvalumab vs placebo
 - OS
 - PFS (by BICR, per RECIST v1.1)

Key secondary endpoints:

- Durvalumab + tremelimumab vs placebo
 - OS
 - PFS (by BICR, per RECIST v1.1)

Other secondary endpoints:

- OS/PFS landmarks
- Safety

*cCRT and PCI treatment, if received per local standard of care, must have been completed within 1–42 days prior to randomization.

†If disease control was achieved and no additional benefit was expected with an additional cycle of chemotherapy, in the opinion of the investigator.

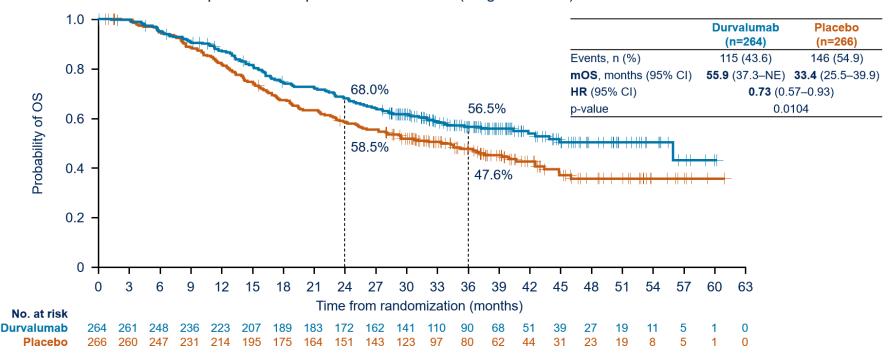
‡The first 600 patients were randomized in a 1:1:1 ratio to the 3 treatment arms; subsequent patients were randomized 1:1 to either durvalumab or placebo.



Small Cell Lung Cancer (SCLC) Consolidation in Limited-Stage - ADRIATIC

Overall survival (dual primary endpoint)

• Median duration of follow up in censored patients: 37.2 months (range 0.1–60.9)



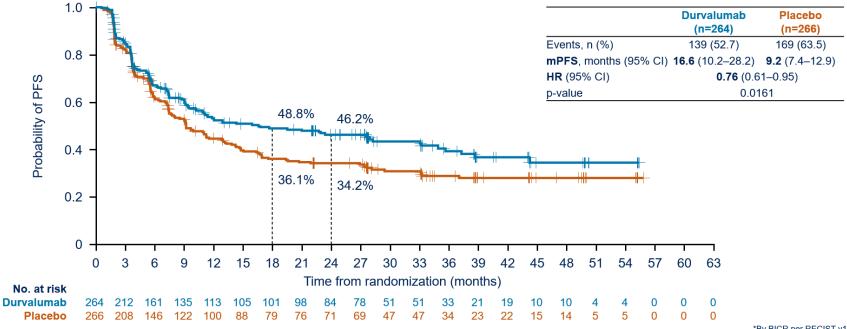
OS was analyzed using a stratified log-rank test adjusted for receipt of PCI (yes vs no). The significance level for testing OS at this interim analysis was 0.01679 (2-sided) at the overall 4.5% level, allowing for strong alpha control across interim and final analysis timepoints.



Small Cell Lung Cancer (SCLC) Consolidation in Limited-Stage - ADRIATIC

Progression-free survival* (dual primary endpoint)

Median duration of follow up in censored patients: 27.6 months (range 0.0–55.8)



*By BICR per RECIST v1.1.

PFS was analyzed using a stratified log-rank test adjusted for disease stage (I/II vs III) and receipt of PCI (yes vs no). The significance level for testing PFS at this interim analysis was 0.00184 (2-sided) at the 0.5% level, and 0.02805 (2-sided) at the overall 5% level. Statistical significance for PFS was achieved through the recycling multiple testing procedure framework and testing at the 5% (2-sided) alpha level (adjusted for an interim and final analysis).



Small Cell Lung Cancer (SCLC) DLL3- Bispecific Antibody – 8015

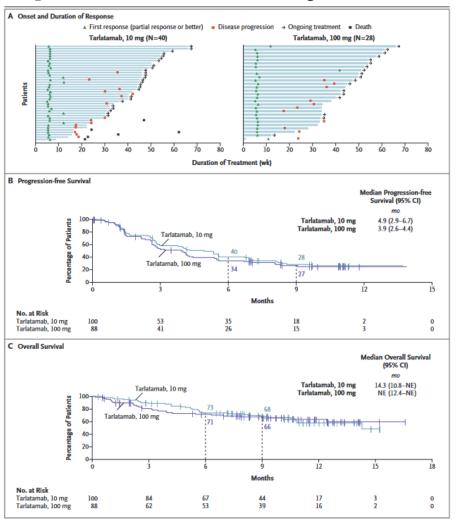
Dellphi-301: Tarlatamab phase 2 trial in small cell lung cancer (SCLC)—Efficacy and safety analyzed by presence of brain metastases

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Small Cell Lung Cancer (SCLC) DLL3- Bispecific Antibody – DeLLphi-301



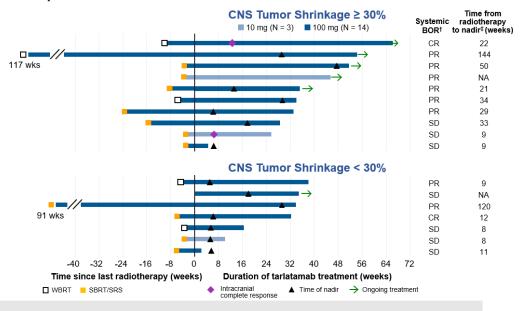


Small Cell Lung Cancer (SCLC) DLL3- Bispecific Antibody – DeLLphi-301

Intracranial Activity*

Tarlatamab 10 mg (n = 3) or 100 mg (n = 14) Q2W with baseline CNS lesion ≥ 10 mm

- mRANO BM§ analyses (N = 17)
 - CNS tumor shrinkage ≥ 30% in 10 of 17 patients (59%)
 - Intracranial disease control in 94% (16 of 17) patients (95% CI, 71.3–99.9)
 - Median duration of intracranial disease control was NE (range, 2.6–13.9+ months)
 - CNS disease progression per modified RANO-BM occurred in 3 of 17 patients (18%)



CNS tumor shrinkage was observed in patients with previously treated brain metastases

*The CNS measurable analysis set included patients who had ≥ 2 brain scans (baseline and post-baseline) and were identified per modified RANO-BM by BICR as having ≥ 1 brain lesion ≥ 10 mm at baseline. ¹Systemic BOR was determined using RECIST v1.1 by BICR. ⁴Minimum percentage change from baseline (smallest SLD) before disease progression. Median follow-up: 11.8 months. ⁴mRANO BM represents RANO BM represents RANO BM represents RANO BM modifications: (1) corticosteroid data and clinical status were not incorporated into insement in an ingreads; (2) diffusion weighted imaging MRI sequences were not required but were made available to the independent reviewer if received. BICR, blinded independent reviewer, BOR, best over the propose; CNS, central nervous system; CR, complete response; mRANO BM, modified response assessment in neuro-encology criteria for brain metastates; MRI, magnetic response mace imaging; NA, not available. YE, not estimable; PR, partial response; RECIST. Response Evaluation Criteria in Solid Tumora, SBRT, stereotactic body radiation therapy; SBRT, stereotactic radiosurgery; WBRT, whole brain radiation therapy.



Mesothelioma LBA8002



ETOP 13-18 BEAT-meso

A randomized phase III study of Bevacizumab (B) and standard Chemotherapy (C) with or without Atezolizumab (A), as first-line treatment for advanced pleural mesothelioma

<u>Sanjay Popat</u>, Enriqueta Felip, Urania Dafni, Anthony Pope, Susana Cedres Perez, Riyaz N.H. Shah, Filippo de Marinis, Laura Cove Smith, Reyes Bernabe Caro, Martin Früh, Kristiaan Nackaerts, Laurent Greillier, Amina Scherz, Bartomeu Massuti, Saemi Schaer, Spasenija Savic Prince, Heidi Roschitzki-Voser, Barbara Ruepp, Solange Peters, Rolf A. Stahel, for the ETOP 13-18 BEAT-meso Collaborators



Mesothelioma: ETOP BEAT-meso

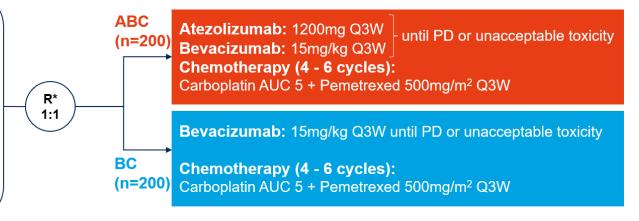
ETOP BEAT-meso: Study Design

Open-label, randomised two-arm, multicentre, phase III trial

Key eligibility criteria

- ECOG PS 0-1
- Histologically confirmed advanced malignant pleural mesothelioma
- Not amenable for radical surgery
- Evaluable/measurable disease assessed by mRECIST v1.1

Protocol amendment (v3.1): Primary endpoint PFS & OS → OS only Sample size from 320 → 400 patients

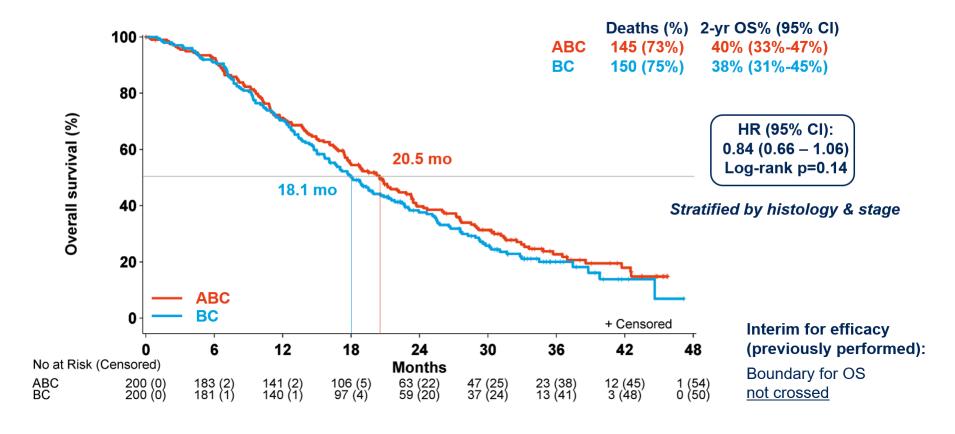


*Stratified by: Histology (Epithelioid vs Not) & Stage (IV vs Other)



Mesothelioma: ETOP BEAT-meso

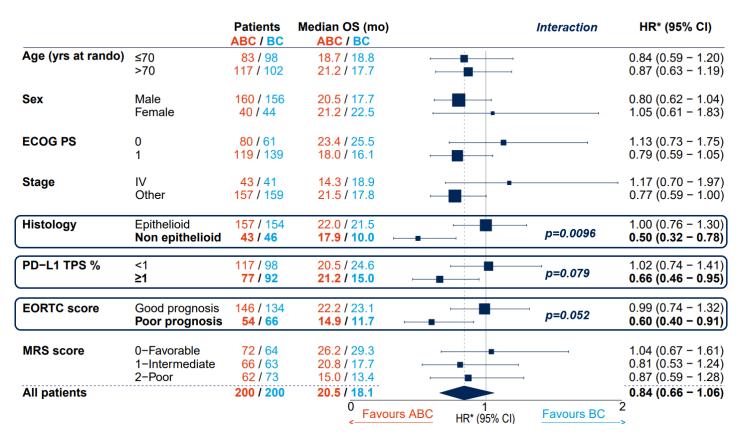
ETOP BEAT-meso: Primary endpoint - OS





Mesothelioma: ETOP BEAT-meso

ETOP BEAT-meso: OS for subgroups of clinical interest



*HRs stratified by histology and stage, except for histology (only by stage), and stage (only by histology)





Questions?

Thank you

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