



Cáncer de pulmón no microcítico avanzado: mutaciones frecuentes.

María Guirado Risueño
HGU Elche

EGFR

ACTIVE: Apatinib plus Gefitinib versus placebo plus Gefitinib as first-line treatment for advanced epidermal growth factor receptor-mutant (EGFRm) non-small-cell lung cancer (NSCLC) : a multicenter, randomized, double-blind, placebo-controlled phase III trial (CTONG1706)

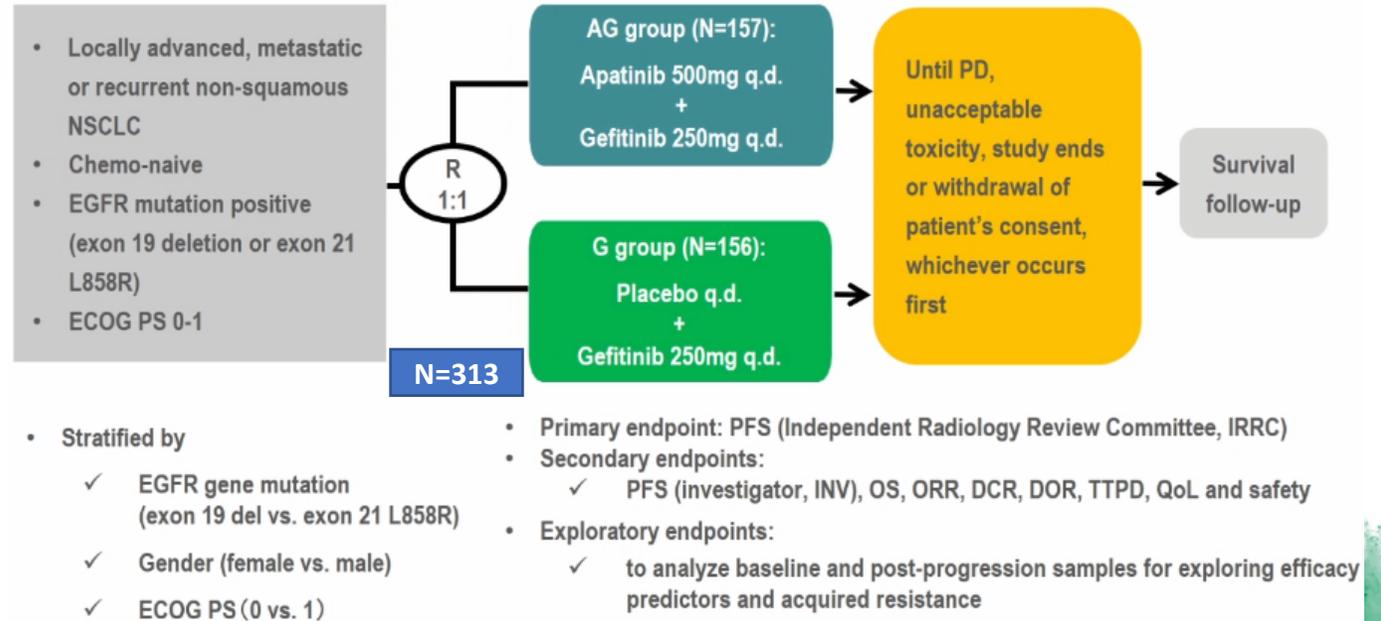
Li Zhang¹, Hongyun Zhao², Zhonghan Zhang¹, Wenxiu Yao³, Xuhong Min⁴, Kangsheng Gu⁵, Guohua Yu⁶, Chao Cheng⁷, Jiwei Cui⁸, Liyun Miao⁹, Xia Song¹⁰, Li Zhang¹¹, Xia Yuan¹², Yong Fang¹³, Xiuhua Fu¹⁴, Chengping Hu¹⁵, Xiaoli Zhu¹⁶, Yun Fan¹⁷, Qitao Yu¹⁸

Fase I:
TR 83,3%
TCE 91,7%
SLP 19m



VIRTUAL 2020 ESMO congress

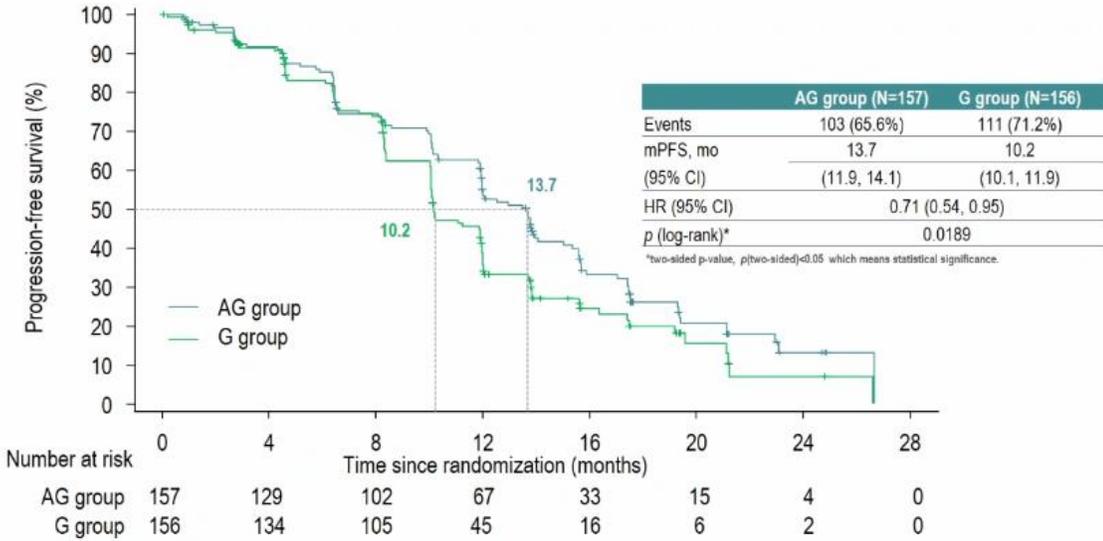
STUDY DESIGN



EGFR

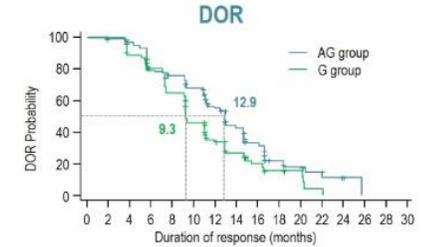
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PRIMARY ENDPOINT: PFS BY IRRC (ITT POPULATION)

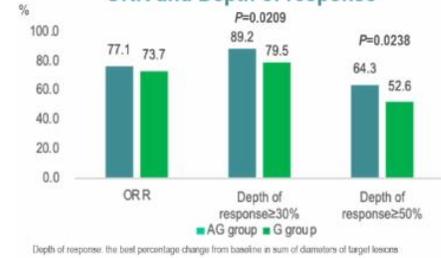


Confirmed best objective response

	AG group (N=157) n (%)	G group (N=156) n (%)	p
CR	1 (0.6)	0	
PR	120 (76.4)	115 (73.7)	
SD	12 (7.6)	22 (14.1)	
ORR	121 (77.1)	115 (73.7)	0.5572
DCR	133 (84.7)	137 (87.8)	0.3466



ORR and Depth of response



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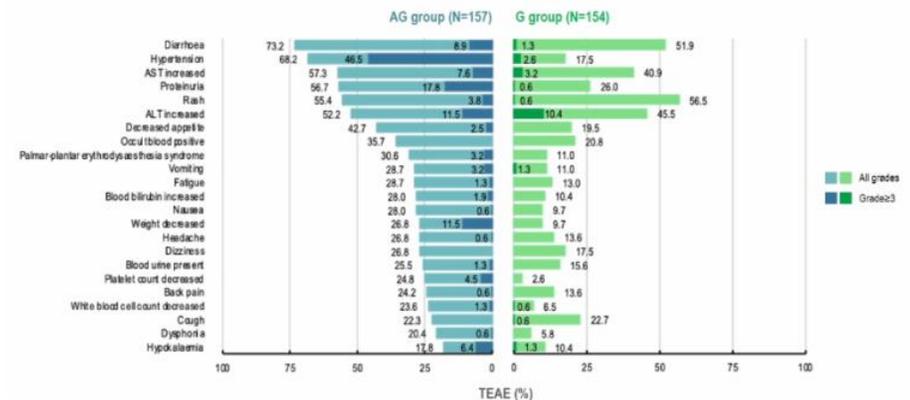
SAFETY OVERVIEW

Events	AG group (N=157) n (%)	G group (N=154) n (%)
Any TEAE	155 (98.7)	151 (98.1)
Grade ≥ 3 TEAEs	132 (84.1)	58 (37.7)
Serious TEAEs	60 (38.2)	35 (22.7)
TEAEs leading to dose interruption, any drug	94 (59.9)	35 (22.7)
TEAEs leading to dose reduction, any drug	76 (48.4)	7 (4.5)
Discontinued treatment due to TEAEs	8 (5.1)	5 (3.2)
TEAEs leading to death*	12 (7.6)	5 (3.2)

*1 death (cerebral haemorrhage) in the AG group was considered related to both Apatinib and Gefitinib.

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MOST COMMON TEAEs*

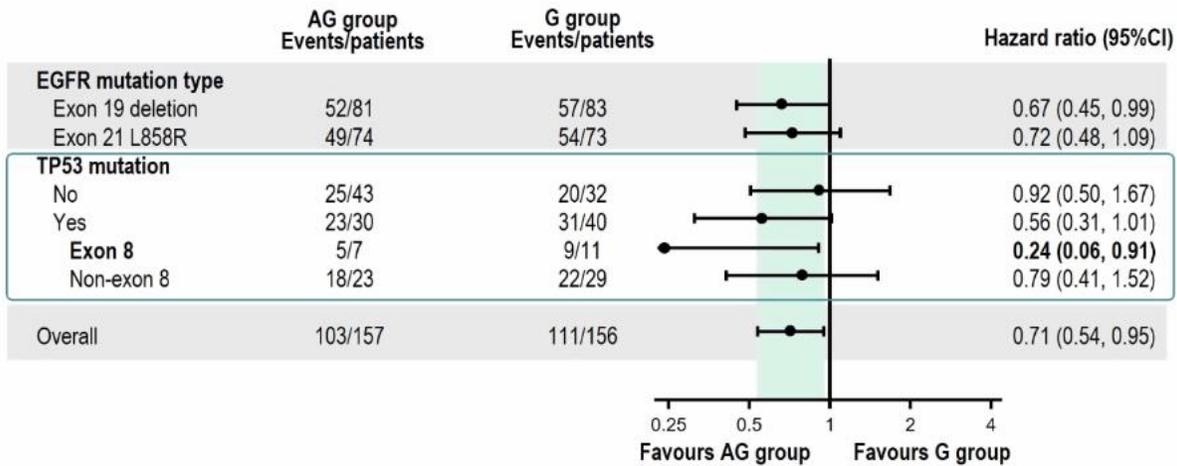


*All grades, frequency >20%; grade ≥3, frequency >5%.

EGFR

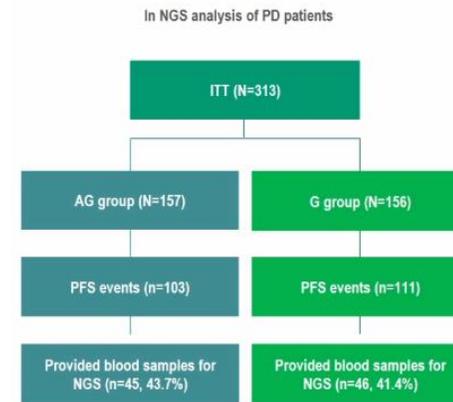
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Subgroup analysis by baseline mutation status



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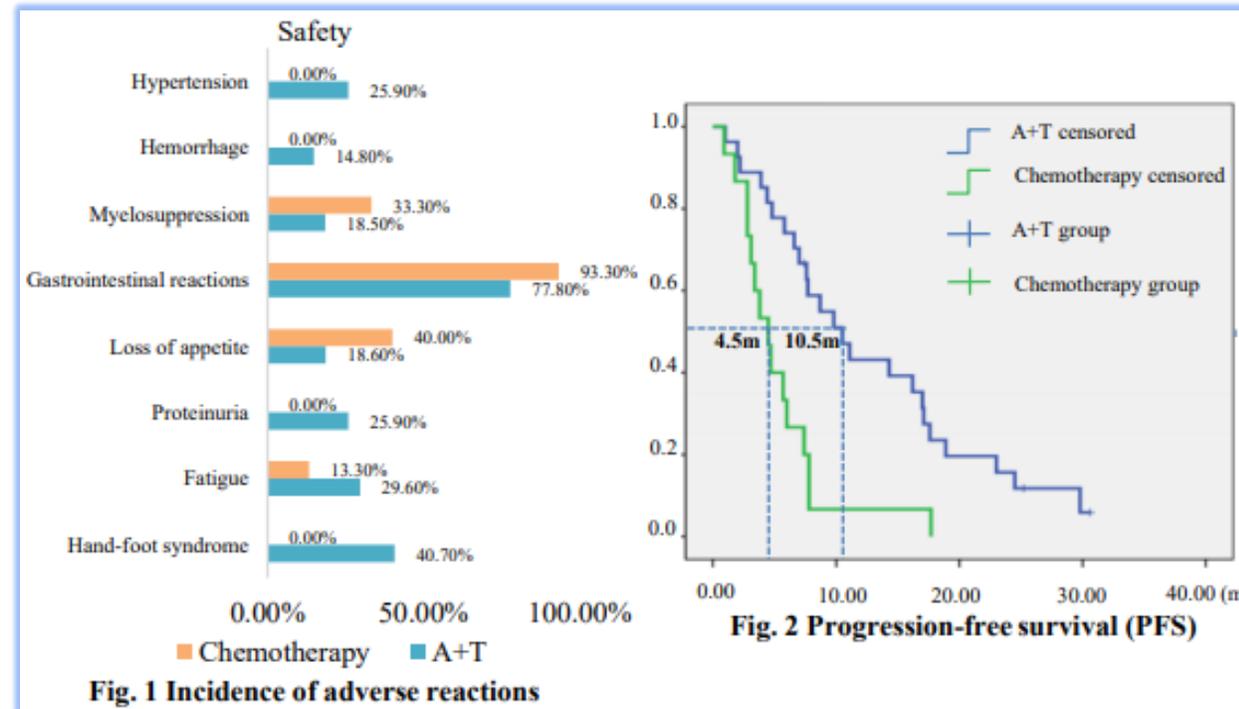
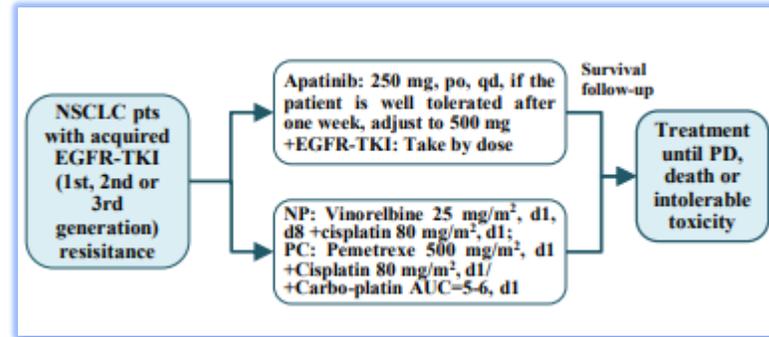
RESISTANCE BIOMARKER ANALYSIS



EGFR

• 1366P

Efficacy and safety of apatinib plus EGFR-TKI in advanced non-small cell lung cancer with EGFR-TKI resistance (Data Updated)



EGFR

A randomized phase II study of Osimertinib with or without Bevacizumab in advanced lung adenocarcinoma patients with EGFR T790M mutation

West Japan Oncology Group 8715L

Yukihiro Toi¹, Hiroaki Akamatsu², Hidetoshi Hayashi³, Daichi Fujimoto⁴,

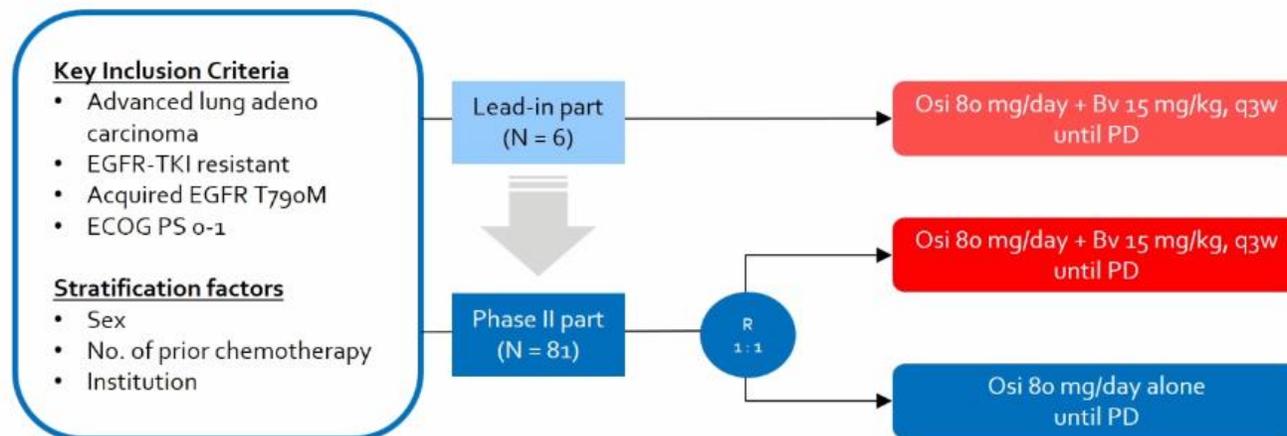
Motoko Tachihara⁵, Naoki Furuya⁶, Sakiko Otani⁷, Junichi Shimizu⁸, Nobuyuki Katakami⁹,

Koichi Azuma¹⁰, Naoko Miura¹¹, Kazumi Nishino¹², Satoshi Hara¹³, Shunsuke Teraoka²,

Satoshi Morita⁹, Kazuhiko Nakagawa¹, Nobuyuki Yamamoto¹



WJOG8715L Study Design

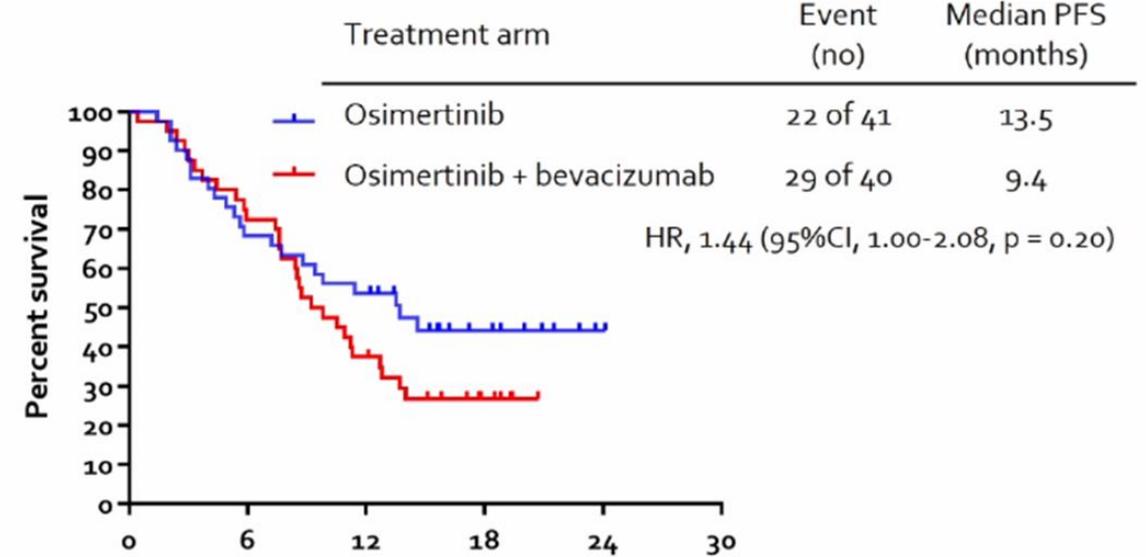
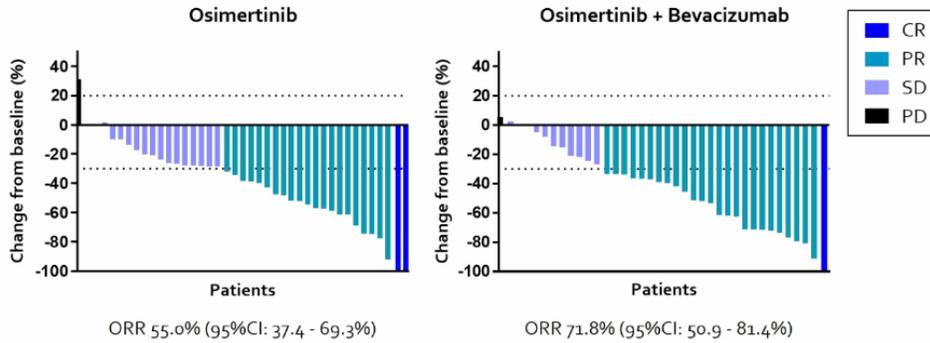


- Primary endpoint: PFS by investigator
- Secondary endpoints: overall response rate (ORR), time to treatment failure (TTF), overall survival (OS) and adverse events (Aes)

EGFR

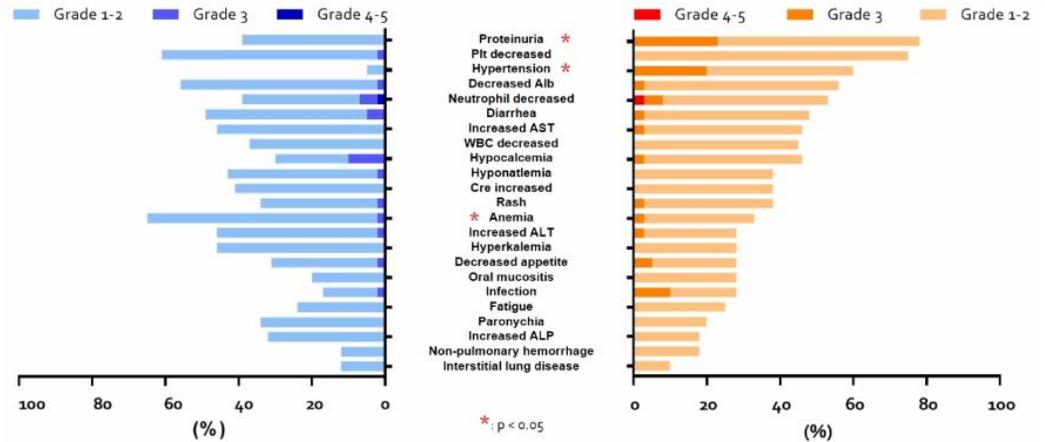
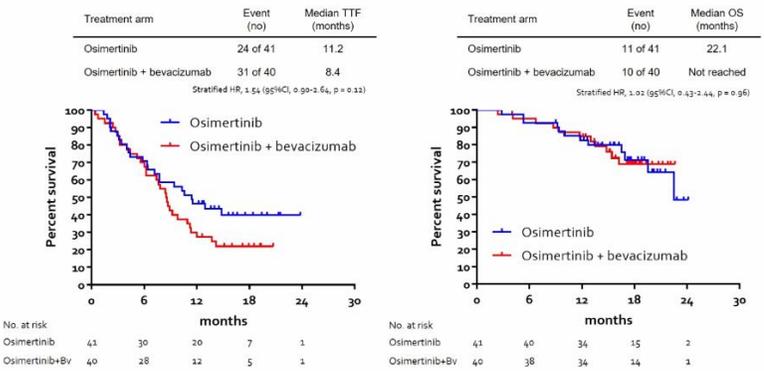
Kaplan-Meier curves of progression-free sur

M1 SNC	25%
TTO PREVIO CON ANTIANGIOGÉNICOS	10%



No. at risk	months				
	0	6	12	18	24
Osimertinib	41	29	23	9	2
Osimertinib+Bv	40	30	16	6	1

Time to treatment failure and overall survival



EGFR

• 1358P

Efficacy and toxicity of combined inhibition of EGFR and VEGFR in advanced non-small-cell lung cancer patients harboring activating EGFR mutations: A systematic review and meta-analysis

Progression Free Survival (PFS) Forest Plot

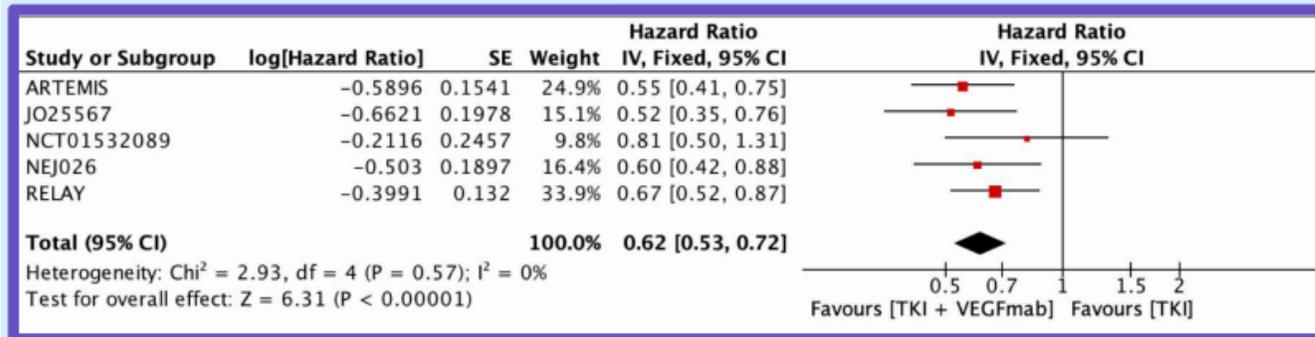


Figure 3 – Progression Free Survival (PFS) Forest Plot

Overall Survival (OS) Forest Plot

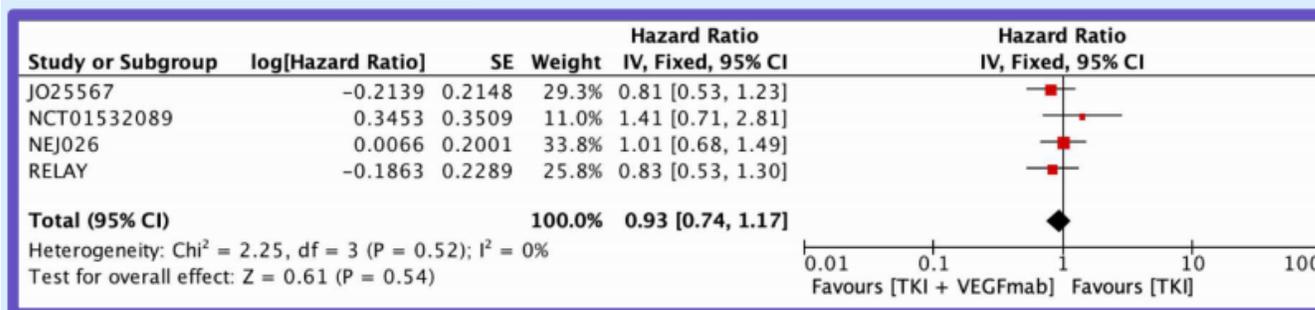


Figure 4 – 1 year Overall Survival (OS) Forest Plot

Outcome	OR/HR (95% CI)
ORR	OR = 0.86 (0.65-1.12)
DCR	OR = 0.75 (0.41-1.39)
Gr 3-4 AE (any)	OR = 3.55 (2.74-4.59)
Proteinuria	OR = 14.55 (4.47-47.4)
Hypertension	OR = 7.02 (4.73-10.43)
Diarrhea	OR = 2.70 (1.38-5.30)
Elevated ALT	OR = 0.86 (0.55-1.35)
Dermatitis	OR = 1.40 (1.00-1.95)
Stomatitis	OR = 1.02 (0.33-3.19)
Bleeding	OR = 1.40 (0.46-4.23)

NO INCLUIDOS ESTUDIOS CON OSIMERTINIB

EGFR

CHRYSALIS Phase 1 Study: Combination Cohort Design

Key Objectives

- Establish RP2CD
- Safety and efficacy at RP2CD

Key Eligibility Criteria

- Metastatic/unresectable NSCLC
- Measurable disease (expansion cohort)
- EGFR Exon19del or L858R mutation

Dose Escalation (n=26)

1050/1400 mg
amivantamab +
240 mg lazertinib

700/1050 mg
amivantamab +
240 mg lazertinib

RP2CD

Amivantamab
1050 mg (<80 kg)
1400 mg (≥80 kg)
Intravenous dosing
C1 QW, C2+ Q2W
+
240 mg lazertinib
Oral daily dosing



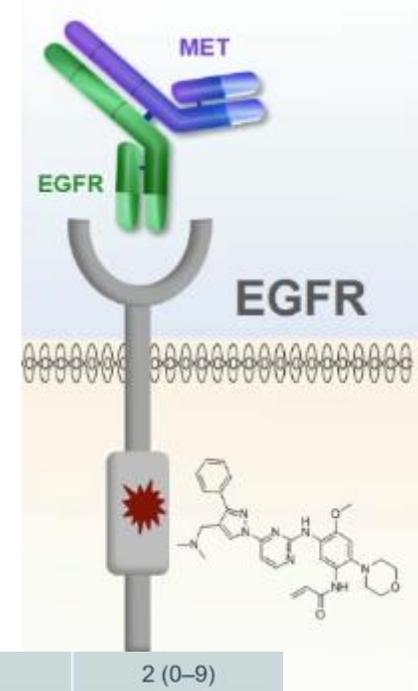
Expansion Cohorts

Osimertinib-resistant,
Chemo-naïve
EGFR Exon19del
or L858R
(n=45)

Treatment-naïve^a
EGFR Exon19del
or L858R
(n=20)

- Combination dose is at the recommended monotherapy doses of each molecule
- Proactive rash management included topical antibiotics to sun-exposed skin

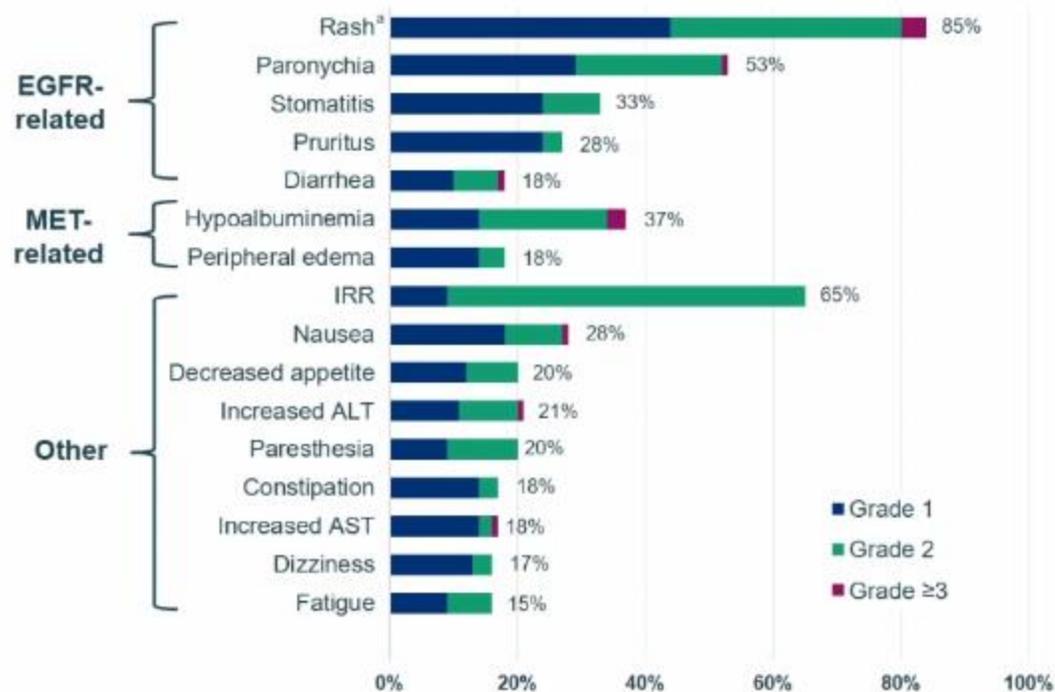
Median prior lines, n (range)	2 (0–9)
No prior lines, n (%) ^a	23 (25)
Prior 1 st or 2 nd -gen TKI, n (%)	54 (59)
Prior 3 rd -gen TKI, n (%)	53 (58)



EGFR

1^aL

Adverse Events (≥15%)



- **ORR: 36% (95% CI, 22 – 51)**
 - 1 CR
 - 15 PR (1 pending confirmation)
- **CBR: 60% (95% CI, 44 – 74)**

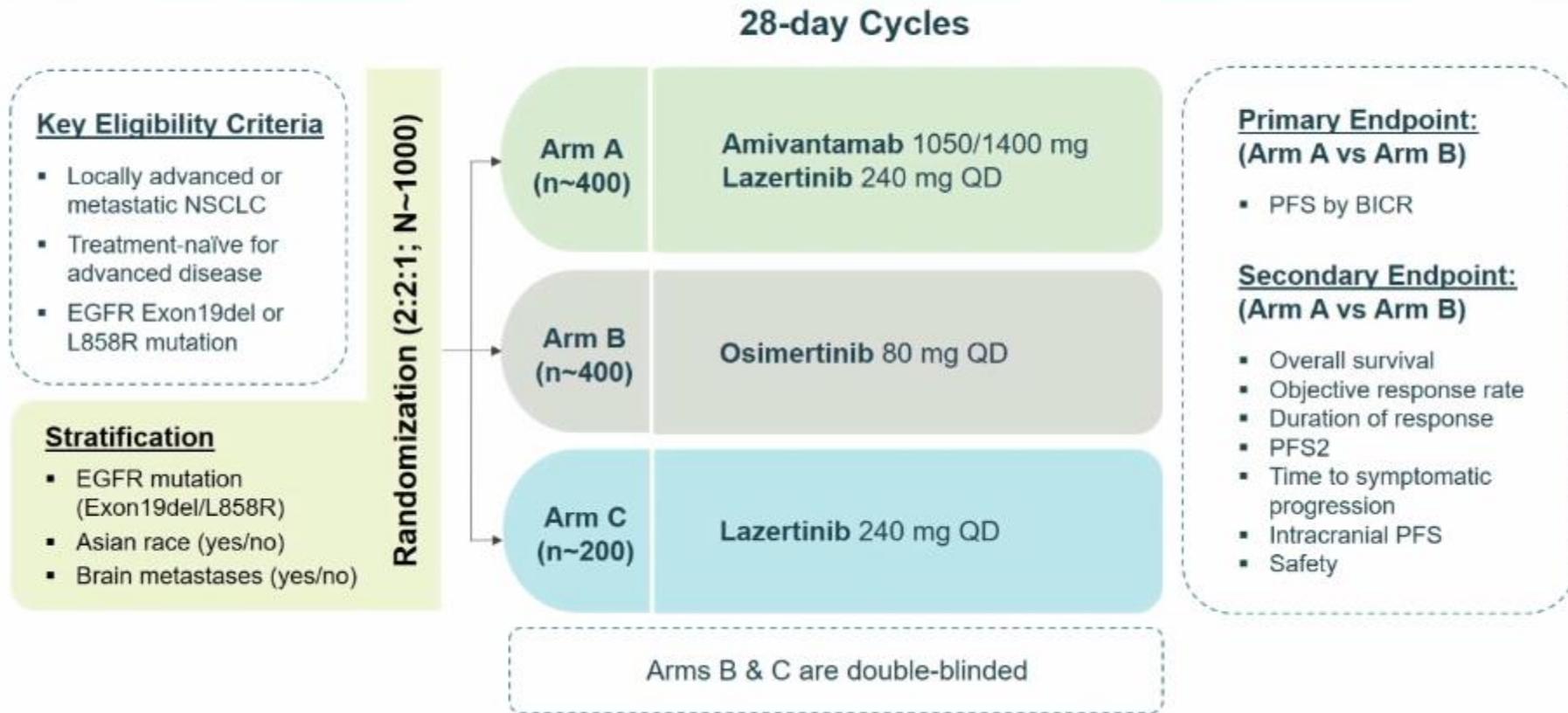
Median follow-up: 4 mo (1 – 7)

- **ORR: 100% (95% CI, 83 – 100)**
 - 20 PR
- **CBR: 100% (95% CI, 83 – 100)**
- **mDOR: not estimable**

- **Median follow-up: 7 mo (4 – 10)**
- **Median treatment duration: 7 mo (3 – 10)**

Rapid time to first response:
Median 1.5 months (1.2 – 2.6)

Phase 3 MARIPOSA Study (NCT04487080)



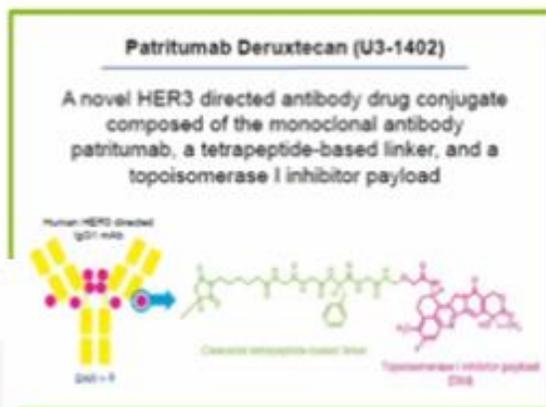
EGFR

Presentation ID LBA62

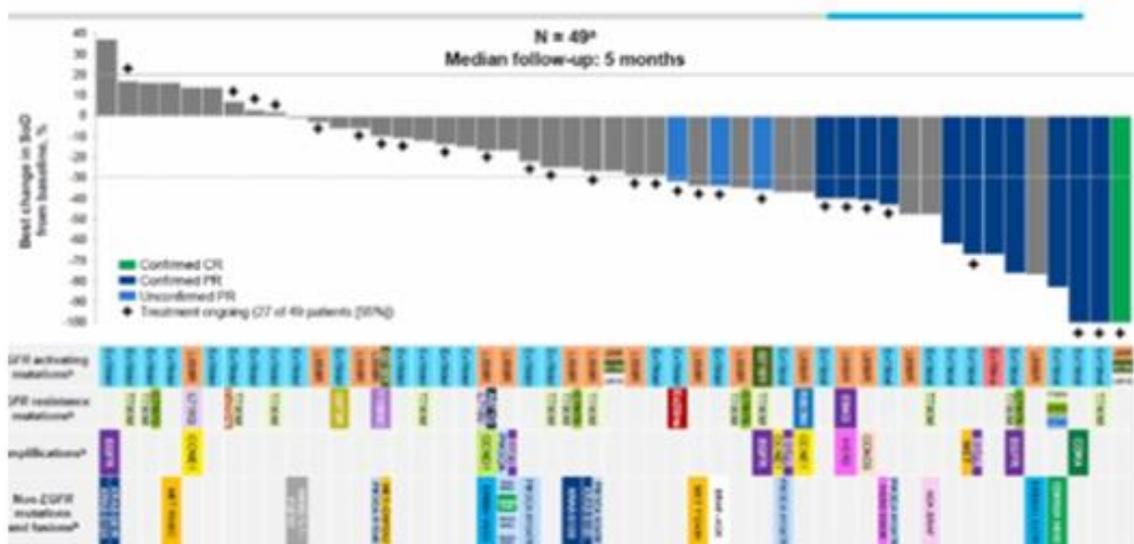
Efficacy and Safety of Patritumab Deruxtecan (U3-1402), a Novel HER3 Directed Antibody Drug Conjugate, in Patients (Pts) with EGFR-mutated (EGFRm) NSCLC

Helena Yu, New York, United States

Median number of therapies for advanced/metastatic disease (range)	4 (1-9)
Prior therapy, n (%)	
EGFR TKI	57 (100)
Osimertinib	49 (86)
Other EGFR targeted therapy	3 (5)
Platinum-based chemotherapy	51 (90)
Anti-PD-1/PD-L1	23 (40)
History of CNS metastases	27 (47)



Efficacy



5% ILD

ORR	25%
mDOR	6.9mo

Tox	Any Grade	
	Any Grade	G 3-4
PLT	53%	28%
ANC	33%	19%
Fatigue	58%	9%
Nausea	54%	4%

EGFR

- **1295P** Osimertinib vs comparator EGFR-TKI as first-line treatment for EGFR mutated (EGFRm) advanced NSCLC: FLAURA China study overall survival (OS)

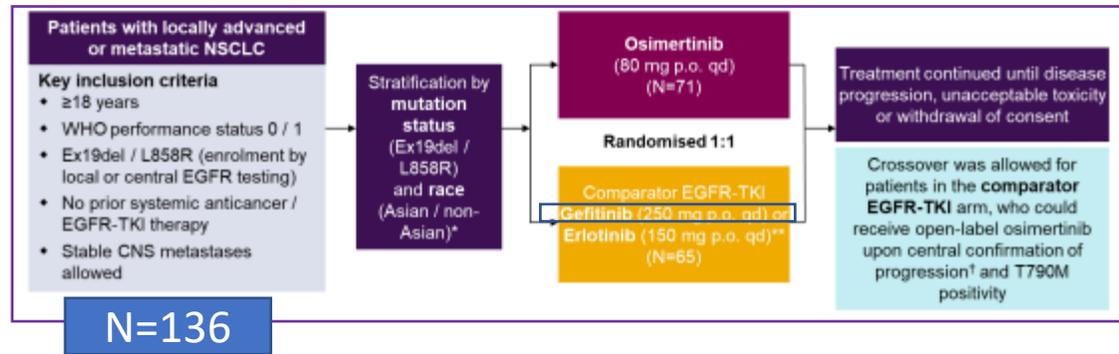
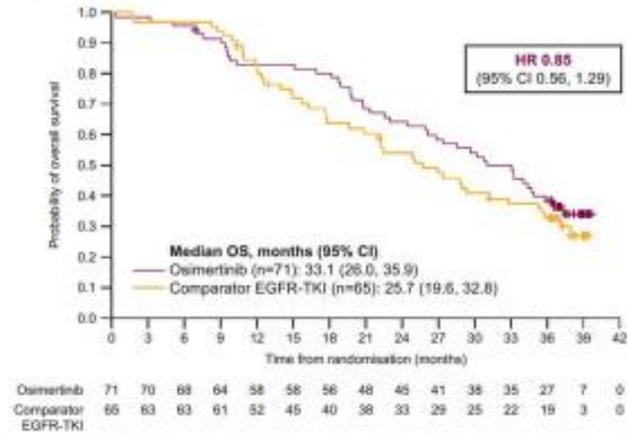
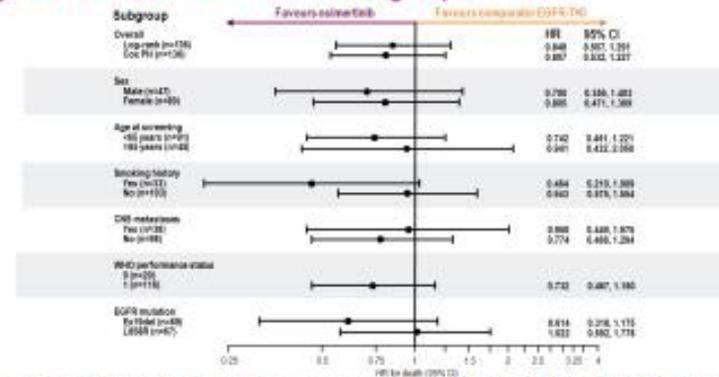


Figure 2. Kaplan-Meier plot of overall survival



Censored data are indicated by tick marks. Data from patients who had not died at the time of the analysis were censored on the basis of the last recorded date on which the patient was known to be alive. CI, confidence interval; EGFR-TKI, epidermal growth factor receptor tyrosine kinase inhibitor; OS, overall survival.

Figure 3. Overall survival across subgroups



CI, confidence interval; CNS, central nervous system; Ex19Del, Exon 19 deletion; HR, hazard ratio; OS, overall survival; WHO, World Health Organization.

EGFR

• 1401P Osimertinib plus platinum-pemetrexed in newly-diagnosed EGFR mutation (EGFRm)-positive advanced NSCLC: safety run-in results from the FLAURA2 study

Table 2. Incidence of AEs

Incidence, n (%)	Osimertinib + carboplatin + pemetrexed (n=15)	Osimertinib + cisplatin + pemetrexed (n=15)	Total (N=30)
Any AE	15 (100)	12 (80)	27 (90)
Treatment-related AE	15 (100)	12 (80)	27 (90)
CTCAE grade ≥3	3 (20)	8 (53)	11 (37)
Serious AE	3 (20)	3 (20)	6 (20)
Death	1 (7)	0	1 (3)
Discontinuation of any study drug	4 (27)	3 (20)	7 (23)
Osimertinib	1 (7)	0	1 (3)
Carboplatin/cisplatin	2 (13)	2 (13)	4 (13)
Pemetrexed	3 (20)	3 (20)	6 (20)
Most common AEs (any grade)			
Constipation	9 (60)	4 (27)	13 (43)
Nausea	3 (20)	9 (60)	12 (40)
Diarrhoea	7 (47)	4 (27)	11 (37)
Rash	5 (33)	5 (33)	10 (33)
Stomatitis	6 (40)	3 (20)	9 (30)
Most common AEs (grade ≥3)			
Anaemia	1 (7)	4 (27)	5 (17)
Neutropenia	1 (7)	2 (13)	3 (10)
Thrombocytopenia	2 (13)	0	2 (7)
Nausea	0	1 (7)	1 (3)
Diarrhoea	0	1 (7)	1 (3)
Rash	0	1 (7)	1 (3)

Figure 1. FLAURA2 safety run-in study design

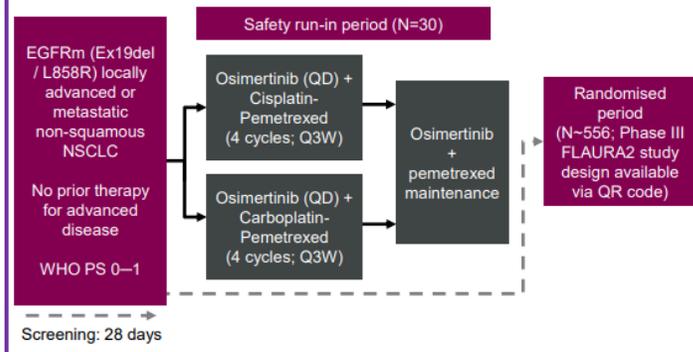
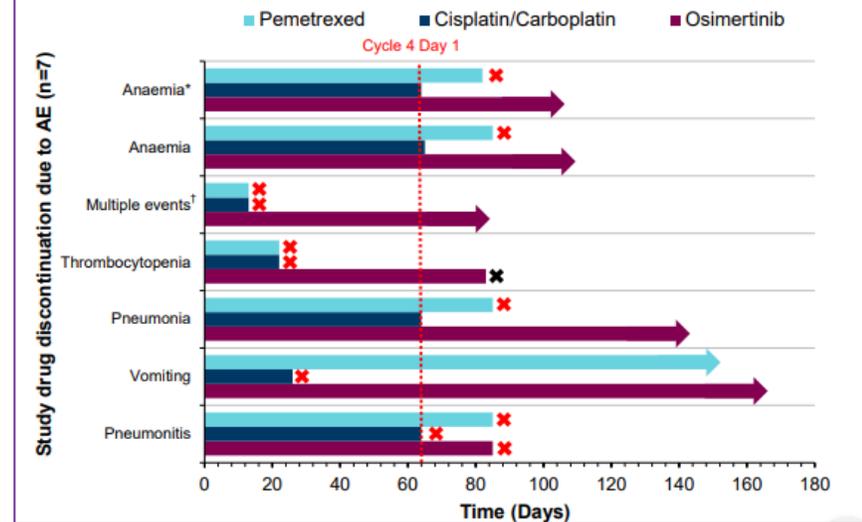


Figure 2. Study drug discontinuations due to AEs



EGFR

• 1284P MET Inhibitor Capmatinib Plus EGFR Tyrosine Kinase Inhibitor Nazartinib for EGFR-Mutant Non-Small Cell Lung Cancer

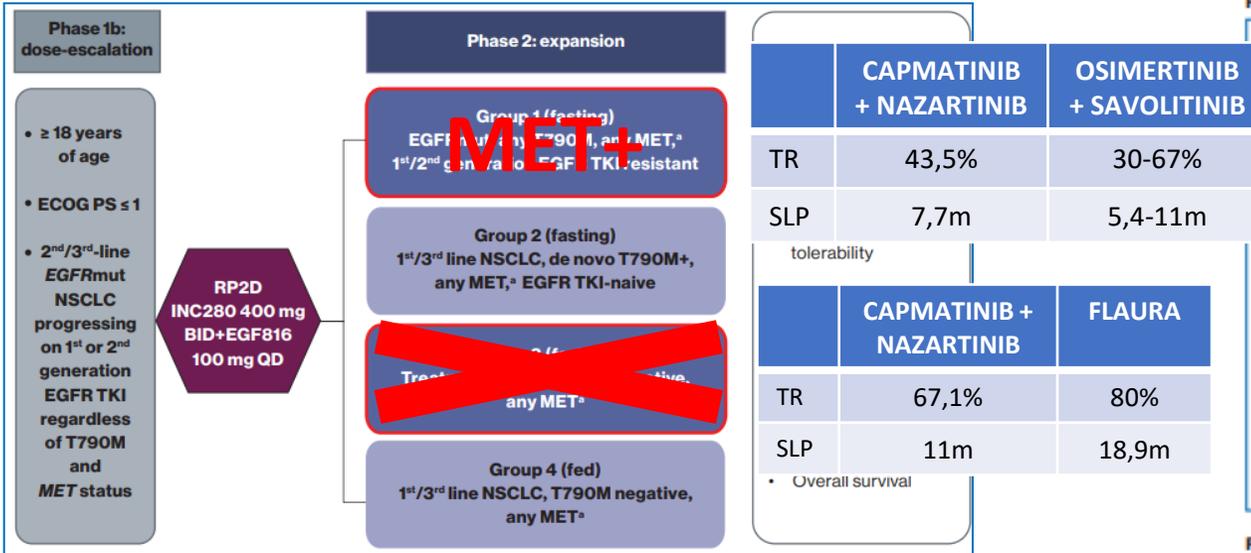


Figure 3. Progression-free survival in pre-treated patients (Group 1)

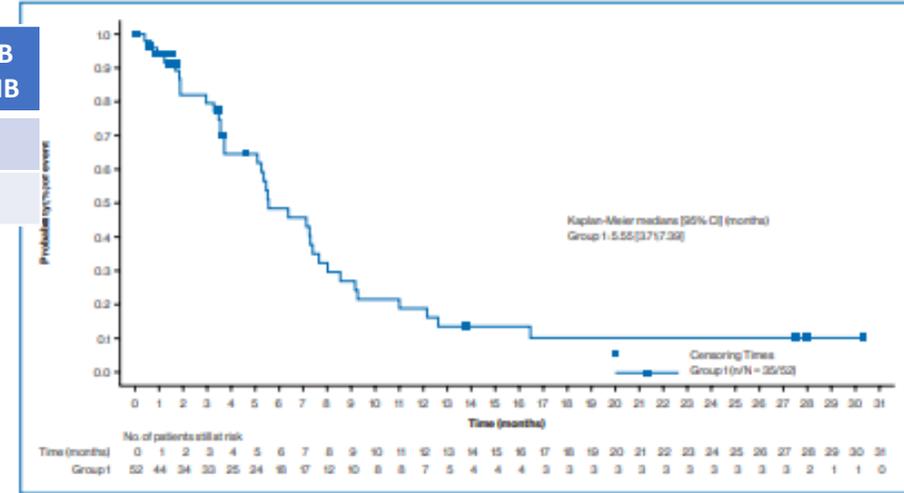


Figure 4. Progression-free survival in treatment-naive patients (Group 3)

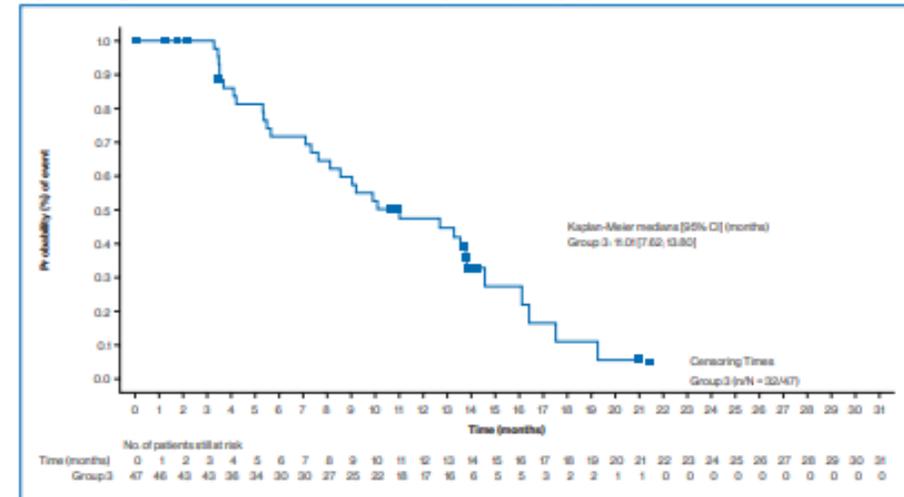


Table 6. Adverse Events Suspected to be Study Drug-Related (Any Grade Occurring in ≥20% Patients)

	Group 1 (Pre-treated) N=52		Group 3 (Treatment-naive) N=47	
	Grades n (%)	Grade 3/4 n (%)	All Grades n (%)	Grade 3/4 n (%)
Number of patients with at least one	3 (94.2)	30 (57.7)	46 (97.9)	27 (57.4)
Peripheral edema	3 (5.0)	3 (5.8)*	27 (57.4)	3 (6.4)*
Nausea	2 (4.2)	4 (7.7)*	23 (48.9)	2 (4.3)*
Diarrhea	12 (23.1)	1 (1.9)*	22 (46.8)	0
Rash maculo-popular	12 (23.1)	8 (15.4)*	14 (29.8)	2 (4.3)*
ALT increase	7 (13.5)	3 (5.8)*	12 (25.5)	7 (14.9)
Vomiting	13 (25.0)	2 (3.8)*	11 (23.4)	1 (2.1)*
AST increased	4 (7.7)	0	11 (23.4)	5 (10.6)*
Fatigue	14 (26.9)	2 (3.8)*	6 (12.8)	0
Lipase increased	11 (21.2)	6 (11.5)	7 (14.9)	3 (6.4)*
Asthenia	5 (9.6)	1 (1.9)*	10 (21.3)	1 (2.1)*

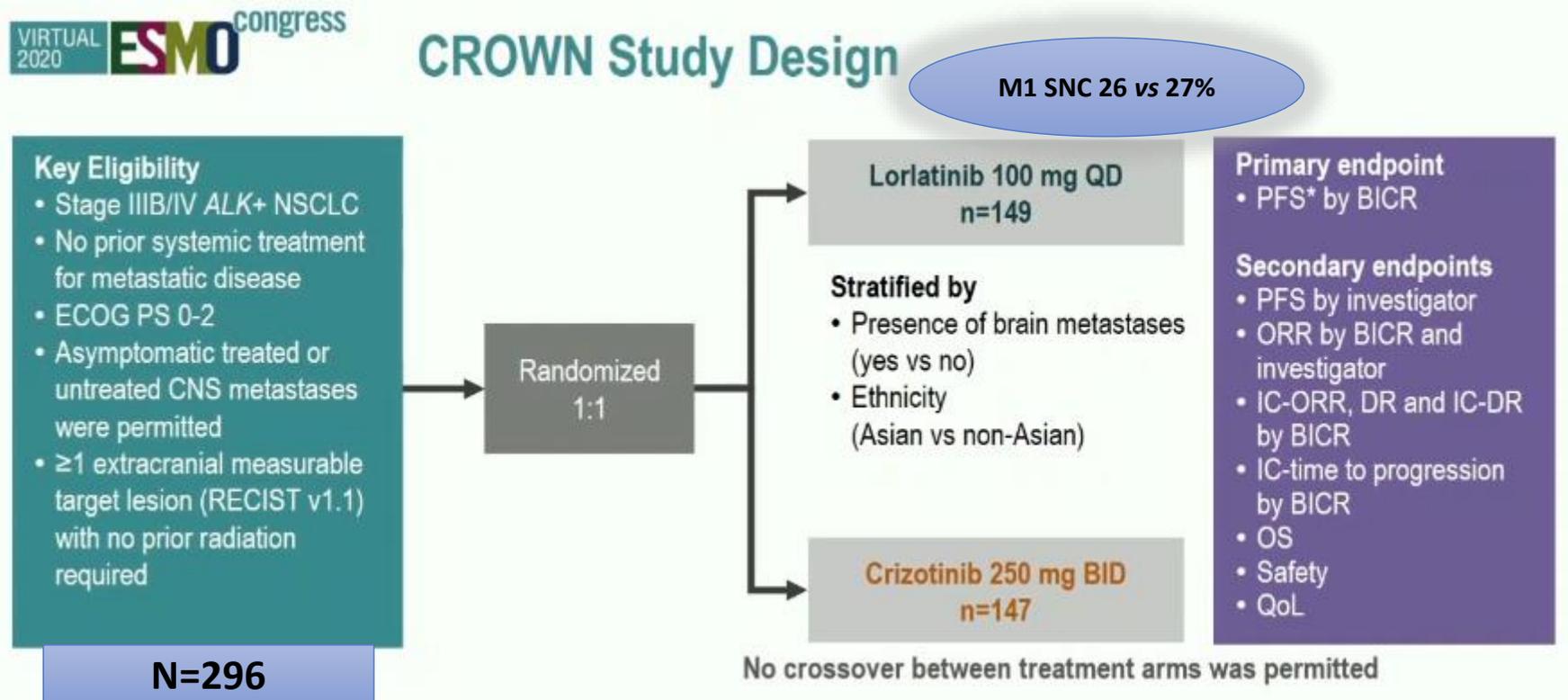
*No grade 4 events seen

AE, adverse event; ALT, alanine aminotransferase; AST, aspartate aminotransferase

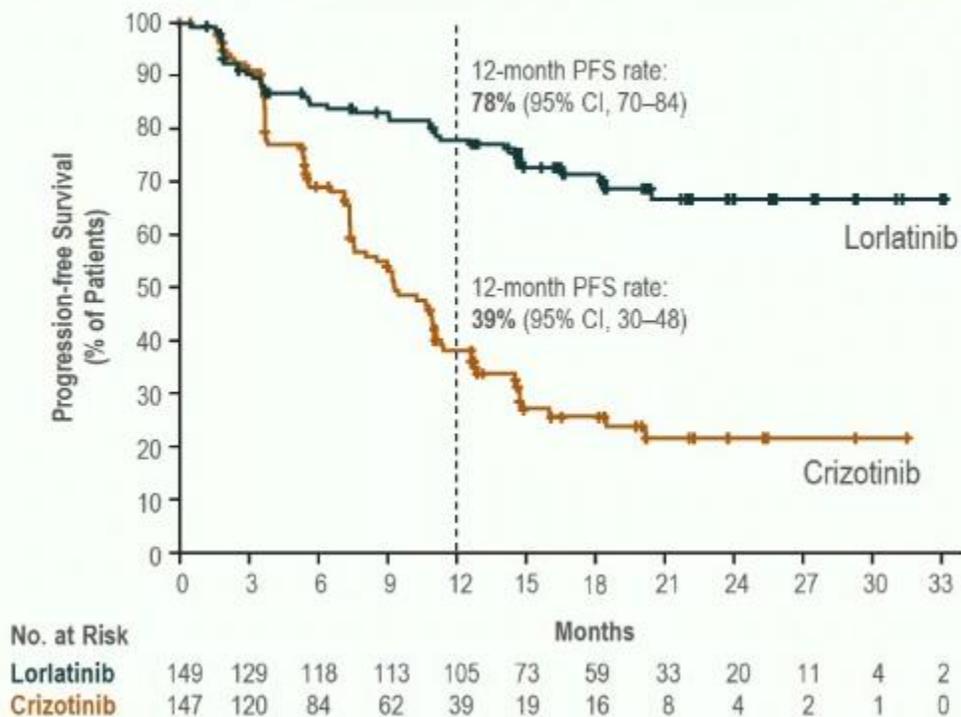
ALK

Lorlatinib vs Crizotinib in the First-line Treatment of Patients with Advanced ALK-Positive Non-Small Cell Lung Cancer: Results of the Phase 3 CROWN Study

Solomon B,¹ Bauer T,² de Marinis F,³ Felip E,⁴ Goto Y,⁵ Liu G,⁶ Mazieres J,⁷ Kim D-W,⁸ Mok T,⁹ Polli A,¹⁰ Thurm H,¹¹ Caella AM,¹⁰ Peltz G,¹² Shaw A¹³



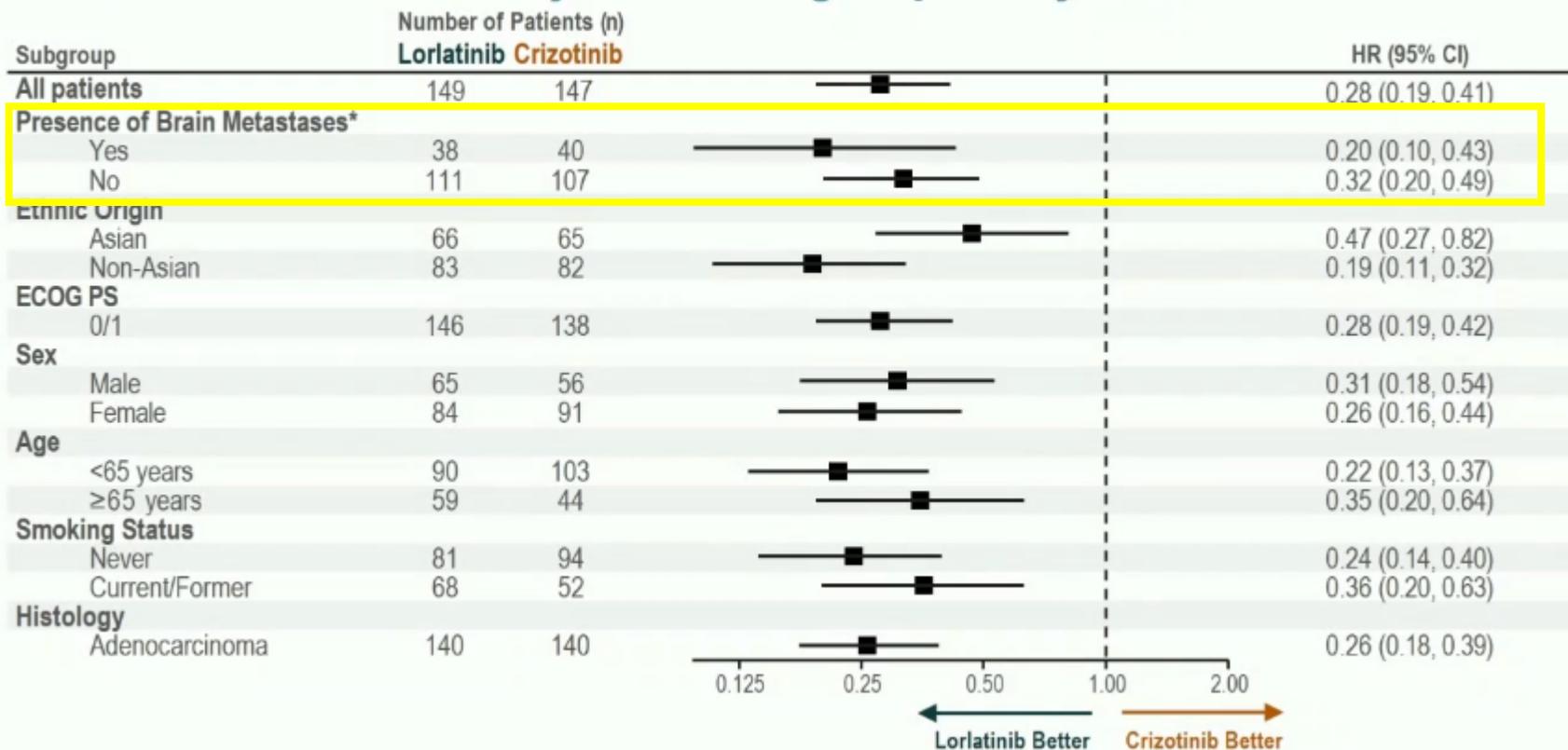
Primary Endpoint: PFS by BICR



	Lorlatinib (n=149)	Crizotinib (n=147)
Patients with event, n (%)	41 (28)	86 (59)
Median PFS, months (95% CI)	NE (NE-NE)	9.3 (7.6-11.1)
HR (95% CI) 1-sided P value*	0.28 (0.19-0.41) <0.001	

*By stratified log-rank test.

PFS by BICR Subgroup Analysis



ORR by BICR

	Lorlatinib (n=149)	Crizotinib (n=147)
Responders, n (%)	113 (76)	85 (58)
(95% CI)	(68-83)	(49-66)
Odds ratio (95% CI)	2.25 (1.35-3.89)	
CR, n (%)	4 (3)	0 (0)
PR, n (%)	109 (73)	85 (58)
SD, n (%)	19 (13)	41 (28)
Non-CR/Non-PD, n (%)	3 (2)	3 (2)
PD, n (%)	10 (7)	7 (5)
NE, n (%)	4 (3)	11 (7)
Median DR, months (95% CI)	NE (NE-NE)	11.0 (9.0-12.9)
Median time to response, months (IQR)	1.8 (1.7-1.9)	1.8 (1.7-1.9)

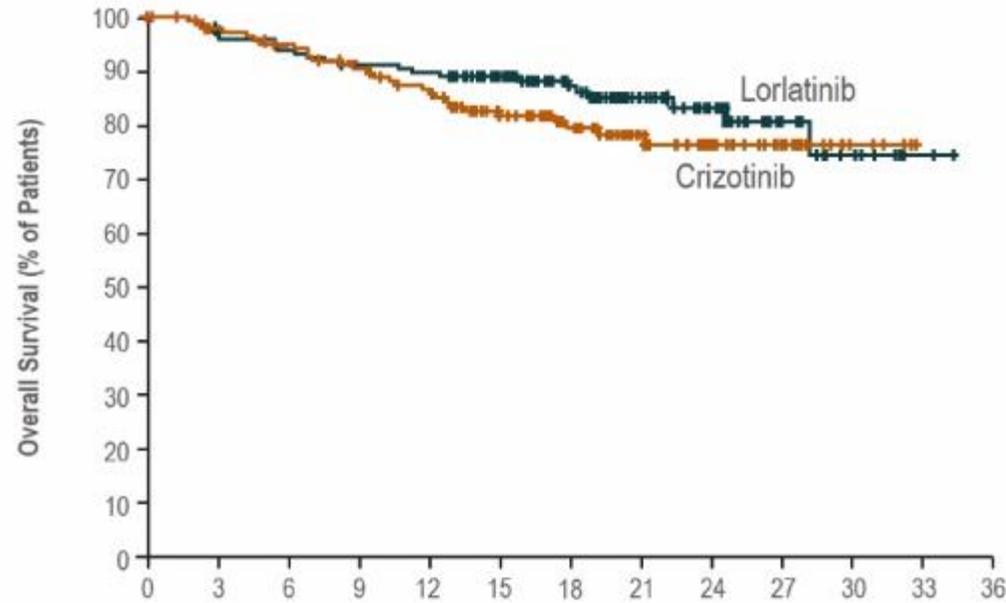
- Similar response rates were obtained based on investigator assessment

Intracranial-OR by BICR

	Patients with measurable or non-measurable brain metastases at baseline		Patients with measurable brain metastases at baseline	
	Lorlatinib (n=38)	Crizotinib (n=40)	Lorlatinib (n=17)	Crizotinib (n=13)
IC-responders, n (%)	25 (66)	8 (20)	14 (82)	3 (23)
(95% CI)	(49-80)	(9-36)	(57-96)	(5-54)
Odds ratio (95% CI)	8.41 (2.59-27.23)		16.83 (1.95-163.23)	
IC-CR, n (%)	23 (61)	6 (15)	12 (71)	1 (8)
Median DR, months (95% CI)	NE (NE-NE)	9.4 (6.0-11.1)	NE (NE-NE)	10.2 (9.4-11.1)



Overall Survival



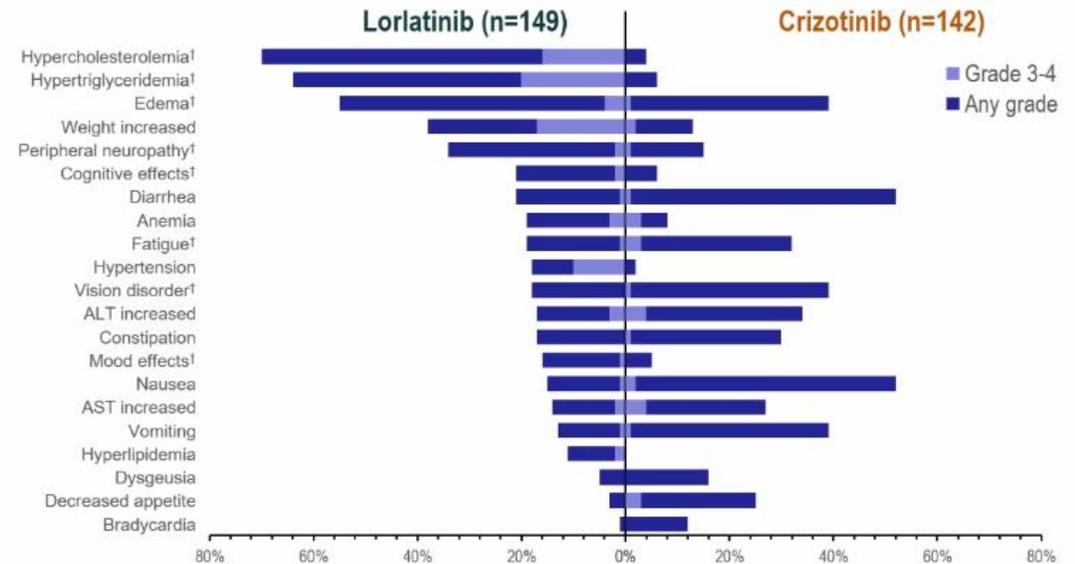
No. at Risk	Months																		
	0	3	6	9	12	15	18	21	24	27	30	33	36						
Lorlatinib	149	148	141	138	135	133	131	122	101	85	63	50	38	27	13	8	4	1	0
Crizotinib	147	139	133	127	122	116	111	97	85	68	55	40	31	22	12	5	3	0	0

	Lorlatinib (n=149)	Crizotinib (n=147)
Patients with event, n (%)	23 (15)	28 (19)
Median OS, months (95% CI)	NE (NE-NE)	NE (NE-NE)
HR (95% CI)	0.72 (0.41-1.25)	

Safety Summary

	Lorlatinib (n=149)	Crizotinib (n=142)
Median treatment duration,* months (95% CI)	NE (NE-NE)	9.6 (7.6-11.1)
Patients with, n (%)		
Any grade AE	149 (100)	140 (99)
Grade 3/4 AE	108 (72)	79 (56)
Serious AE	51 (34)	39 (27)
Fatal AE†	7 (5)	7 (5)
AE leading to permanent treatment discontinuation	10 (7)	13 (9)
AE leading to temporary dose interruption	73 (49)	67 (47)

All Causality Adverse Events with ≥10% Difference in Frequency

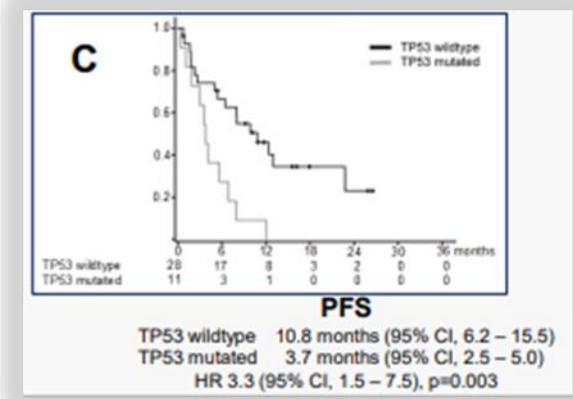
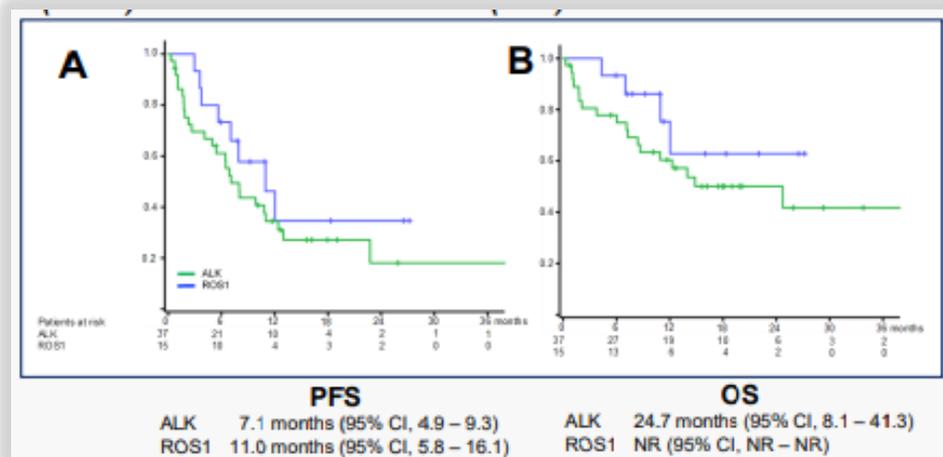


ALK

Lorlatinib in pretreated ALK/ROS1-positive non-small cell lung cancer (NSCLC): Results from the German early access program

• 1368P

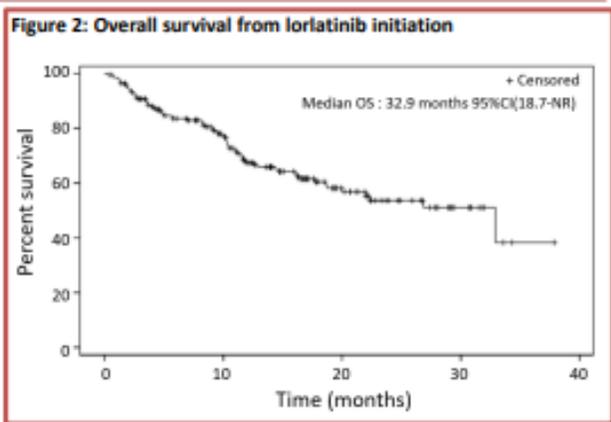
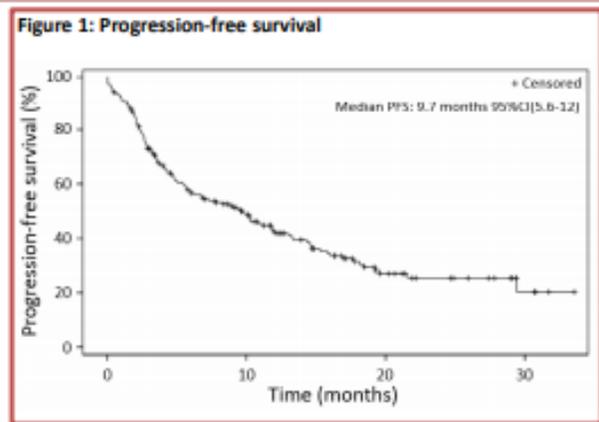
M1 SNC 69%
Ca Leptomeningea 25%



• 1303P

Lorlatinib for advanced ALK+ Non-Small Cell Lung Cancer (NSCLC): efficacy and safety data from IFCT-1803 LORLATU Expanded Access Program (EAP) cohort

M1 SNC 77%
2^a-5^aL (48% 5^aL)
Ttos previos:
-QT 77%
-ITK 1^a gen: 92,4%
-ITK 2^a gen: 92,9%



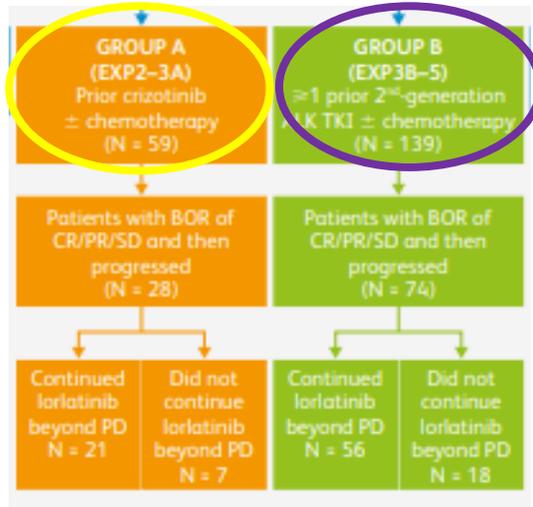
mPFS	9,7 m
mOS	32,9m
TR	50,6%
TCE	86,7%
TR SNC	42,9%

Lorlatinib in Patients With ALK+ NSCLC Treated Beyond Initial Disease Progression

Sai-Hong I. Ou,¹ Benjamin Solomon,² Alice Shaw,³ Shirish M. Gadgeel,⁴ Benjamin Besse,⁵ Ross A. Soo,⁶ Antonello Abbattista,⁷ Holger Thurm,⁸ Francesca Toffalorio,⁷ Robin Wiltshire,⁹ Alessandra Bearz¹⁰

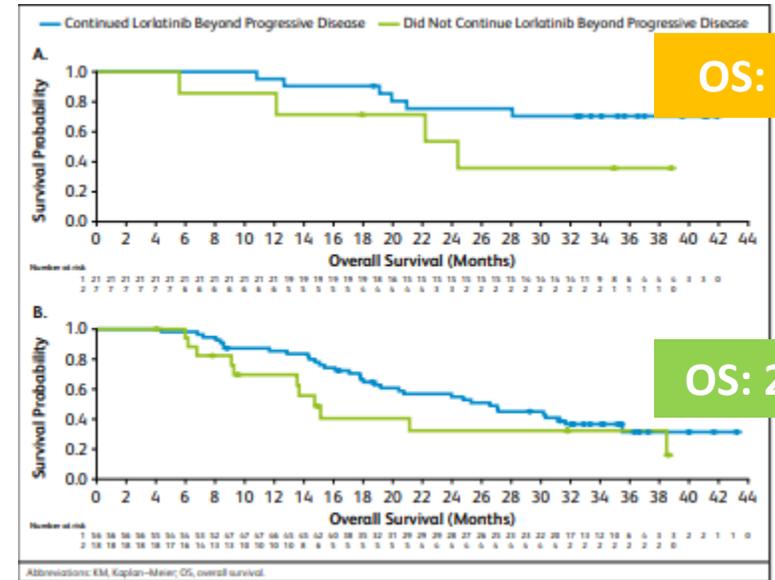
¹Chao Family Comprehensive Cancer Center, University of California Irvine, Orange County, CA, USA; ²Peter MacCallum Cancer Centre, Melbourne, VIC, Australia; ³Massachusetts General Hospital Cancer Center, Boston, MA, USA; ⁴Henry Ford Cancer Institute/Henry Ford Hospital, Detroit, MI, USA; ⁵Gustave Roussy Cancer Campus, Villejuif, France; ⁶National University Hospital, Singapore; ⁷Pfizer Oncology, Milan, Italy; ⁸Pfizer Oncology, La Jolla, CA, USA; ⁹Pfizer Oncology, Walton Oaks, UK; ¹⁰National Institute for Cancer Research CRD-IRCCS, Aviano, Italy

Majority of patients with clinical benefit continued lorlatinib beyond progressive disease (LBPD).
 Patient characteristics were broadly similar at baseline and on progression in the LBPD and non-LBPD groups.
 Median OS and median OS post-PD were longer in LBPD vs non-LBPD groups.
 Further evaluations to better assess the clinical benefit of continuing treatment with lorlatinib beyond RECIST-determined progression are warranted.



	No LBPD	
	Group A (prior crizotinib) n = 7	Group B (>1 second-generation ALK TKI) n = 18
Post-progression treatments		
ALK TKI systemic therapies	5 (71.4)	10 (55.6)
Non-ALK TKI systemic therapies	0	3 (16.7)
Radiotherapies	1 (14.3)	4 (22.2)
No subsequent treatment	2 (28.6)	5 (27.8)

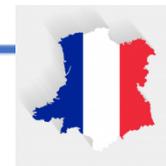
Abbreviations: ALK, anaplastic lymphoma kinase; LBPD, lorlatinib beyond progressive disease; TKI, tyrosine kinase inhibitor.



ALK

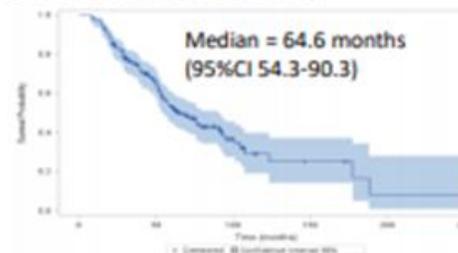
- 1392P

Brigatinib in patients with ALK-positive advanced non-small-cell lung cancer pretreated with sequential ALK inhibitors: a multicentric real-world study (**BRIGALK2 study**)



	N= 184 (ITT)
PFS, months (95%CI)	4.8 (3.8-5.6)
ORR, n (%)	73 (45,9 %)
Disease control rate, n (%)	122 (76.8%)
Duration of treatment, months (95%CI)	4.9 (4.1-5.9)
OS from brigatinib initiation, months (95%CI)	
Overall population	19.4 (15.6-24.5)
Patients with brain metastasis (BM)	21.8 (15.6-35.4)
Patients without BM	18 (12.4-24.5)

Figure 4: OS from NSCLC diagnosis.



Nº ttos previos (mediana): 3
Nº ITK previos (mediana): 2
M1 SNC: 70%

- 1350P

Real-world treatment outcomes with brigatinib in patients with pretreated ALK+ metastatic non-small cell lung cancer

N=104
Nº ttos previos (mediana): 1-6 (2)
M1 SNC: 62,5%

Table 3. Best response to brigatinib therapy

	N=93
CR	2 (2.2%)
PR	35 (37.6%)
SD	15 (16.1%)
PD	39 (41.9%)
Response rate	37 (39.8%)
Disease control rate	52 (55.9%)
Median duration of response, months (95% CI)	NR (19.9–NR)

OS 23,3 m
SLP 11,3m

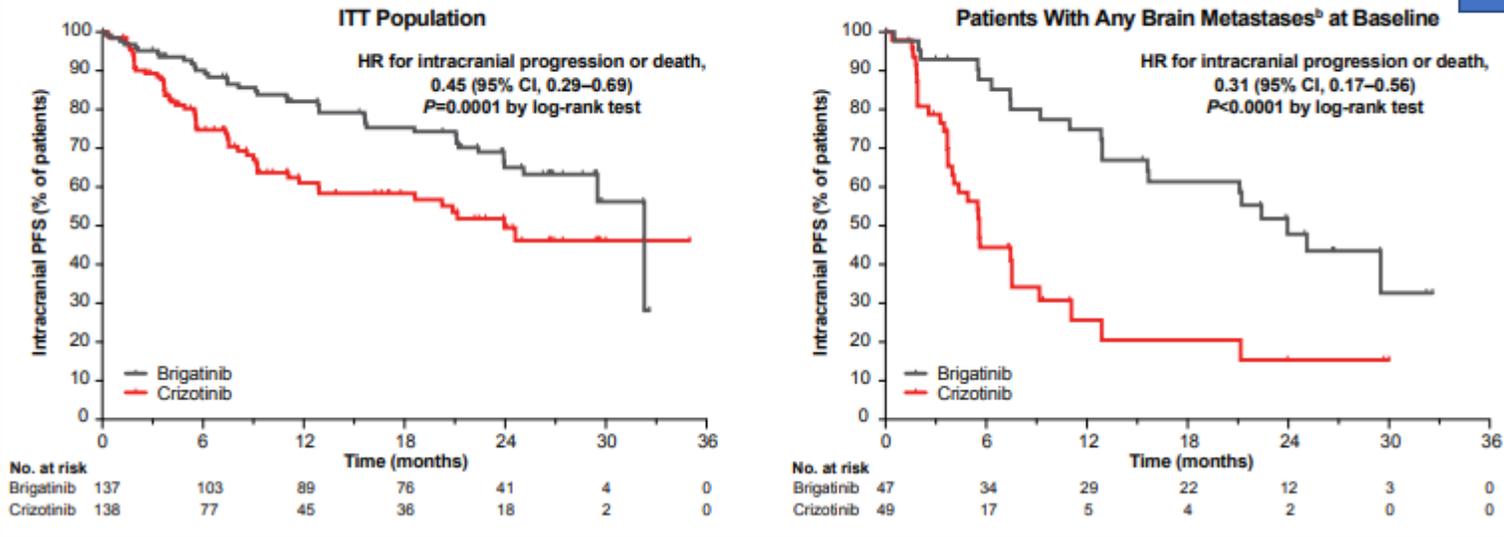


ALK

- 1300P

Intracranial Efficacy of Brigatinib vs Crizotinib: Updated Results From the ALTA-1L Trial

Figure 4. Updated BIRC^a-Assessed Intracranial PFS



- 1304P

Brigatinib vs Crizotinib in Asian vs Non-Asian Patients: Update From ALTA-1L

- 1305P

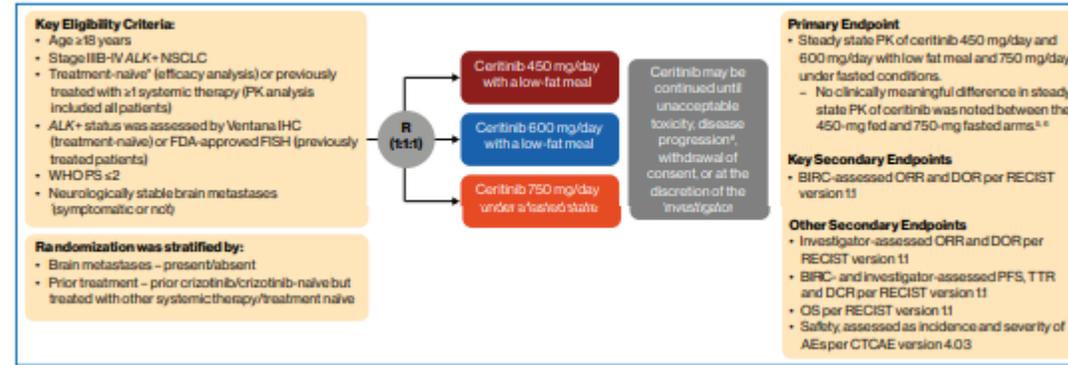
Health-Related Quality of Life in a Phase 3 Study of First-line Brigatinib vs Crizotinib in NSCLC: Updated Results From ALTA-1L

ALK

• 1348P

Efficacy and safety of ceritinib 450 mg-fed vs 750 mg-fasted in Asian patients (pts) with ALK+ non-small cell lung cancer (NSCLC) in the ASCEND-8 trial

Figure 1: ASCEND-8 Study Design



• 1361P

Determination of ALK rearrangements in non-small cell lung cancer: clinical and economic impact of current practice in Spain.

Figure 1. Model structure

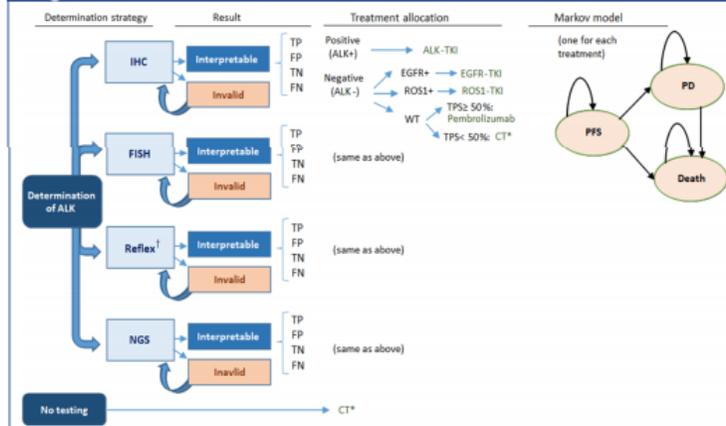


Table 3. Results for health outcomes and costs, base case

	Current scenario tested	No-testing	Difference
Cost of testing	€ 3,613,701	€ 0	€ +3,613,701
Cost of treatment	€ 854,664,411	€ 806,959,058	€ +47,705,353
Total costs	€ 858,278,111	€ 806,959,058	€ +51,319,053
LY	21,233.6	16,173.4	+5,060.1
QALYs	14,654.7	10,748.0	+3,906.6
ICER (€/LY gained)			€ 10,142 /LY
ICUR (€/QALY gained)			€ 13,136 /QALY

LY: life years; QALY: quality-adjusted life years; ICER: incremental cost-effectiveness ratio; ICUR: incremental cost-utility ratio

ROS-1

1287P

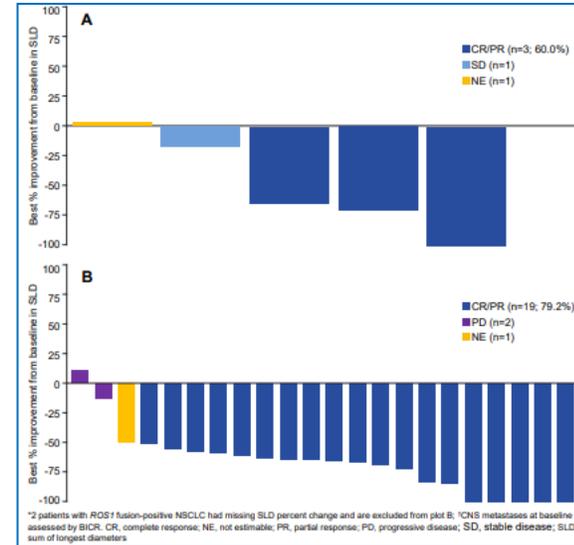
Efficacy and safety of entrectinib in locally advanced/metastatic *ROS1* fusion-positive NSCLC: an updated integrated analysis

	ROS1 fusion-positive NSCLC		
	Efficacy-evaluable population (N=161)	Baseline CNS metastases* (n=55)	No baseline CNS metastases* (n=105)
N=161 M1 SNC 34,8%			
Objective response, % (95% CI)	67.1 (59.3–74.3)	62.5 (48.6–75.1)	69.5 (59.8–78.1)
Best overall response, n (%)			
Complete response	14 (8.7)	4 (7.1)	10 (9.5)
Partial response	94 (58.4)	31 (55.4)	63 (60.0)
Stable disease	14 (8.7)	4 (7.1)	10 (9.5)
Progressive disease	15 (9.3)	9 (16.1)	6 (5.7)
Non-CR/non-PD	10 (6.2)	2 (3.6)	8 (7.6)
Missing or unevaluable†	14 (8.7)	6 (10.7)	8 (7.6)
Duration of response			
Median, months (95% CI)	15.7 (13.9–28.6)	14.9 (9.6–20.5)	24.6 (13.9–34.8)
Patients with events, n (%)	48 (44.4)	17 (48.6)	31 (42.5)
6-month durable response, % (95% CI)	83 (76–90)	84 (70–97)	83 (74–92)
12-month durable response, % (95% CI)	63 (53–73)	62 (44–80)	63 (51–75)
Progression-free survival			
Median, months (95% CI)	15.7 (11.0–21.1)	11.8 (6.4–15.7)	19.0 (12.0–29.6)
Patients with events, n (%)	82 (50.9)	34 (60.7)	48 (45.7)
6-month PFS, % (95% CI)	77 (70–84)	69 (57–81)	82 (74–89)
12-month PFS, % (95% CI)	55 (47–64)	47 (33–61)	60 (50–70)
Overall survival			
Median, months (95% CI)	NE (28.3–NE)	28.3 (16.1–NE)	NE (30.8–NE)
Patients with events, n (%)	38 (23.6)	17 (30.4)	21 (20.0)
6-month OS, % (95% CI)	91 (87–96)	87 (78–96)	93 (88–98)
12-month OS, % (95% CI)	81 (74–87)	75 (63–88)	84 (76–91)

ITK naïve

1288P

Efficacy of entrectinib in patients with *NTRK* or *ROS1* fusion-positive NSCLC with CNS metastases at baseline



<p>Intracranial ORR in <i>NTRK</i> fusion-positive NSCLC</p> <p>62.5%</p> <p>In patients with measurable CNS metastases at baseline: 60.0%</p>	<p>Intracranial ORR in <i>ROS1</i> fusion-positive NSCLC</p> <p>52.2%</p> <p>In patients with measurable CNS metastases at baseline: 79.2%</p>
<p>Median intracranial PFS</p> <p>8.9 months (<i>NTRK</i>)</p> <p>8.3 months (<i>ROS1</i>)</p>	<p>Few patients with <i>ROS1</i> fusion-positive NSCLC without baseline CNS metastases experienced CNS progression</p>

540P

Entrectinib in patients with *ROS1* fusion-positive non-small cell lung cancer (NSCLC) or *NTRK* fusion-positive solid tumours: analysis of response by line of therapy

	Prior LOT: 0*	Prior LOT: 1	Prior LOT: 2	Prior LOT: ≥3
<i>NTRK</i>+ solid tumours†				
ORR, % (n/N)	80.0 (16/20)	61.9 (13/21)	65.0 (13/20)	38.5 (5/13)
95% CI	56.3–94.3	38.4–81.9	40.8–84.6	13.9–68.4
Median DoR, months (responders n/N)	NE (16/20)	15.1 (13/21)	11.1 (13/20)	9.4 (5/13)
95% CI	5.6–NE	10.4–15.1	7.9–15.0	2.8–NE
<i>ROS1</i>+ NSCLC‡				
ORR, % (n/N)	71.7 (43/60)	60.9 (39/64)	66.7 (12/18)	73.7 (14/19)
95% CI	58.6–82.6	47.9–72.9	41.0–86.7	48.8–90.9
Median DoR, months (responders n/N)	16.5 (43/60)	14.8 (39/64)	28.6 (12/18)	15.7 (14/19)
95% CI	11.0–NE	9.2–NE	24.6–28.6	9.1–20.5

*CNS disease at baseline as judged per investigator (RECIST version 1.1).

ROS-1

• 1349P

Lorlatinib for advanced ROS1+ Non-Small Cell Lung Cancer (NSCLC): efficacy and safety data from IFCT-1803 LORLATU Expanded Access Program (EAP) cohort



Table 2: Characteristics at lorlatinib initiation

Characteristics	ROS1+ (n=71)
Performance status	
0-1	49 (79%)
≥2	13 (21%)
Unknown	9
Previous lines	
1	22 (31%)
2	19 (26.8%)
3	12 (16.9%)
≥4	18 (25.4%)
Previous treatment	
Chemotherapy	47 (66.2%)
1 st generation ALK TKI	71 (100%)
2 nd generation ALK TKI	14 (19.7%)
Brain radiotherapy	23 (32.4%)
Brain metastasis	
Present	45 (63.4%)
Absent	26 (36.6%)

Table 3: Overall response to lorlatinib

	ROS1+ (n=71)
Best overall response	
Number of patients with available data	66 (92.9%)
Complete response	0 (0.0%)
Partial response	30 (45.5%)
Stable disease	26 (39.4%)
Progressive disease	8 (12.1%)
Objective response	30 (45.5%)
Disease control	56 (84.8%)
Not evaluable	2 (3%)
Central nervous system objective response rate* (available data; %)	28 (/67; 41.8%)
Median duration of response (range, months)	6.1 (0-34.5)
Median follow up (IC95%, months)	14.8 (12.5-25.7)
Median lorlatinib duration (range, months)	7.4 (0.49-34.7)
Median lorlatinib duration beyond progression (range, months)	0.7 (0.03-25.3)

* Defined as the rate of intracranial tumor response according RECIST v1.1

Figure 1: Progression-free survival

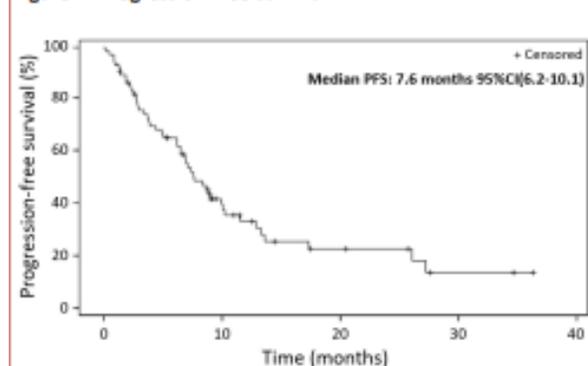
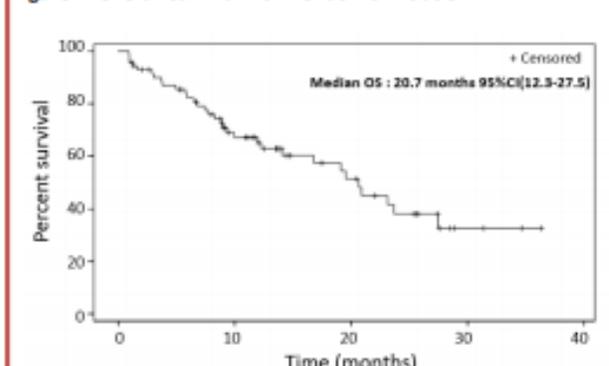


Figure 2: Overall survival from lorlatinib initiation





Cáncer de pulmón no microcítico avanzado: mutaciones frecuentes.

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HGU Elche