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on **Lung** CONGRESS
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#15CongressGeCP

EGFR beyond Osimertinib

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Disclosures

Advisory / Consultancy : AstraZeneca, Boehringer Ingelheim, Bristol-Myers Squibb, MSD, Novartis, Roche, Takeda

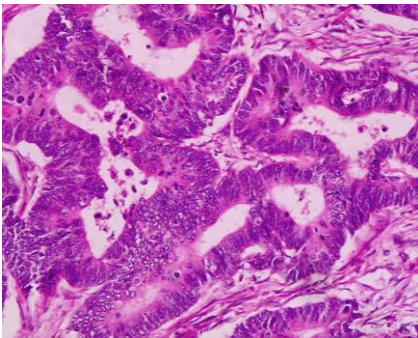
Speaker Bureau / Expert testimony: AstraZeneca, Boehringer Ingelheim, Bristol-Myers Squibb, MSD, Novartis, Pfizer, Roche, Takeda

Travel / Accommodation / Expenses : Bristol-Myers Squibb, Pfizer, Roche, Takeda

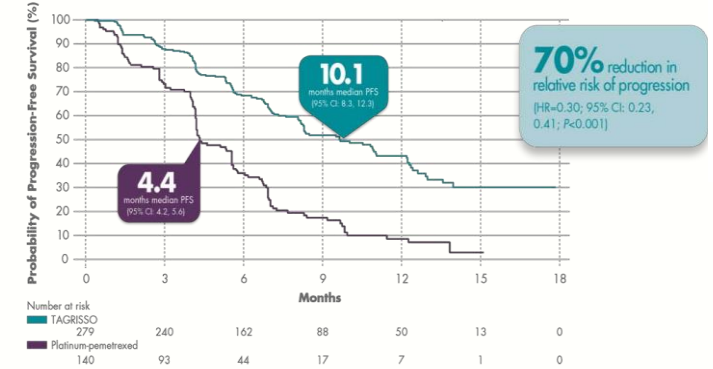
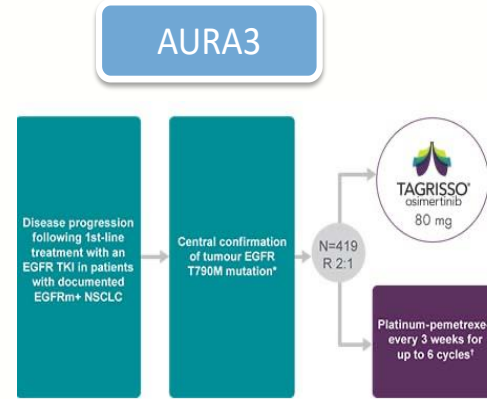




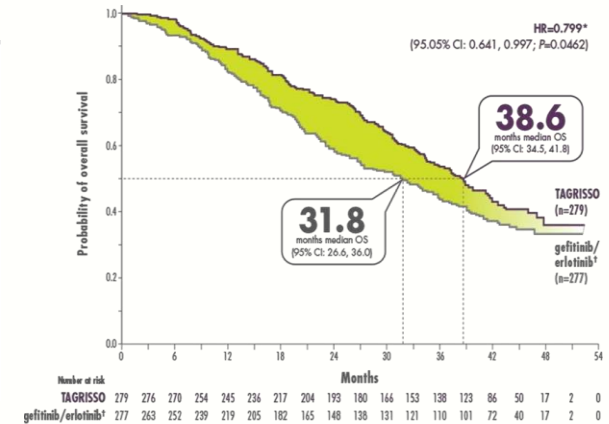
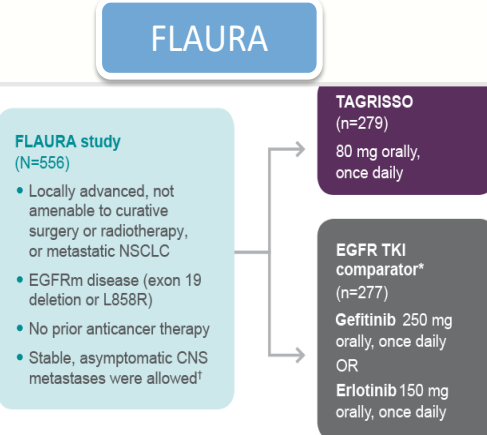
Introduction



AURA3

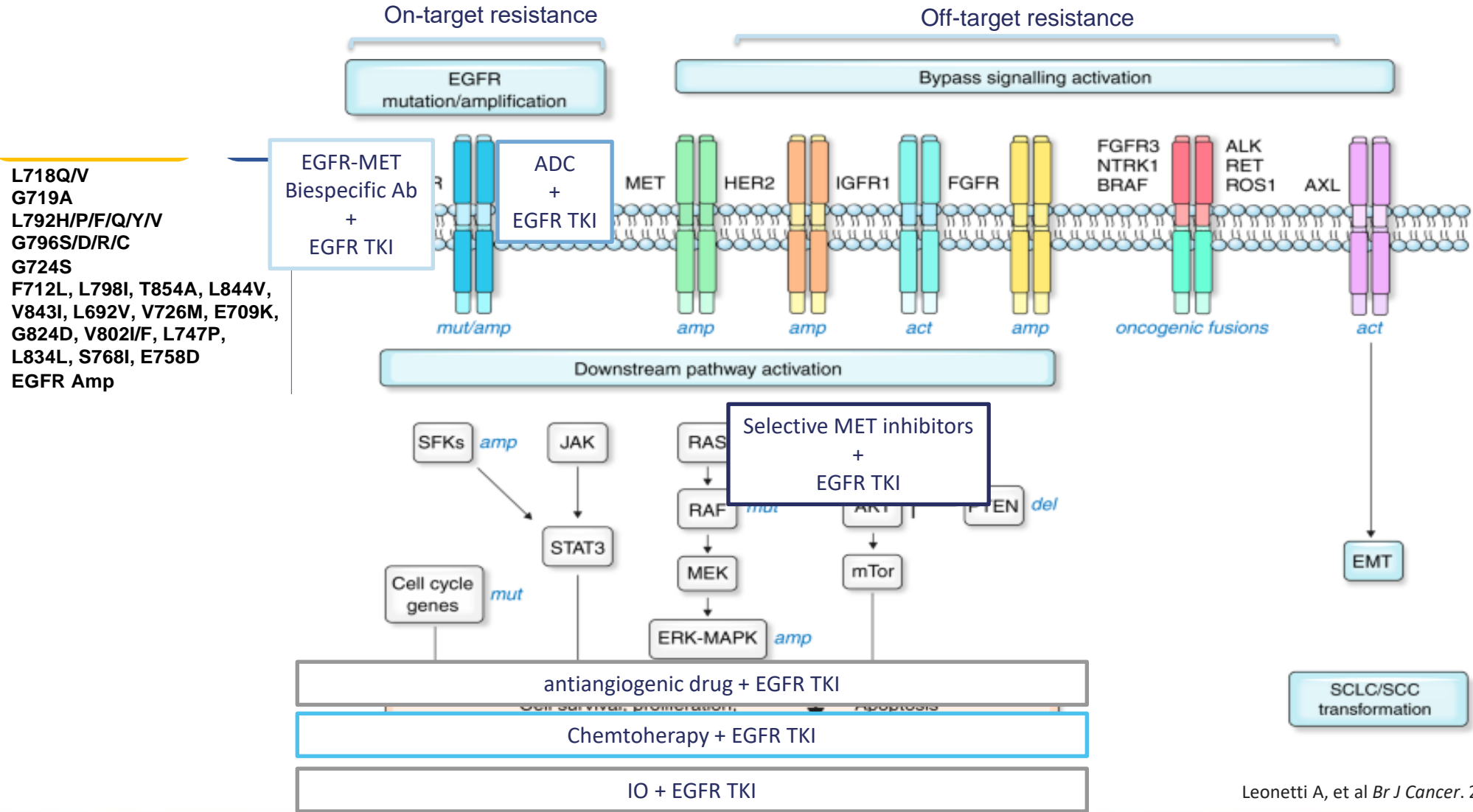


FLAURA





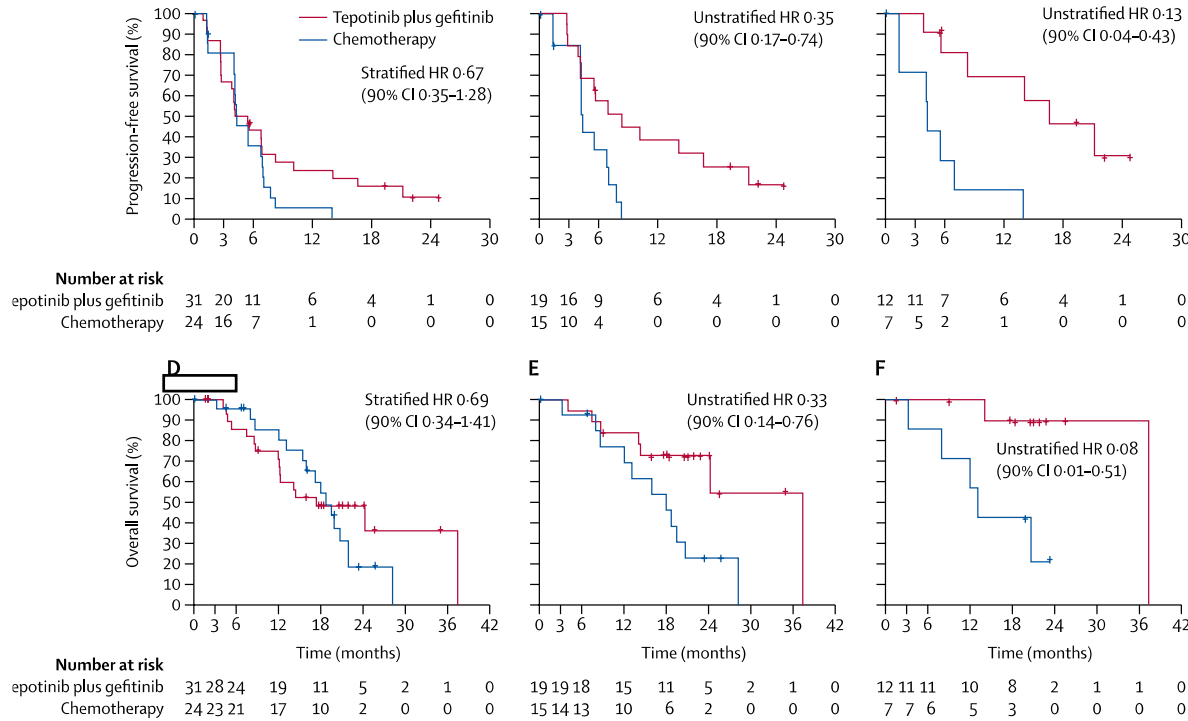
Treatment strategies based on the resistance mechanisms





Selective MET inh + EGFR TKI

INSIGHT: Tepotinib plus gefitinib in patients with EGFR-mutant non-small-cell lung cancer with MET overexpression or MET amplification and acquired resistance to previous EGFR inhibitor (INSIGHT study): an open-label, phase 1b/2, multicentre, randomised trial



PFS and OS were longer with tepotinib plus gefitinib than with chemotherapy in patients with high (IHC3+) MET overexpression n=34

- median PFS **8.3 months** [4.1–16.6] vs **4.4 months** [4.1–6.8]; HR 0.35, 0.17–0.74
- median OS **37.3 months** [90% CI 24.2–37.3] vs **17.9 months** [12.0–20.7]; HR 0.33, 0.14–0.76

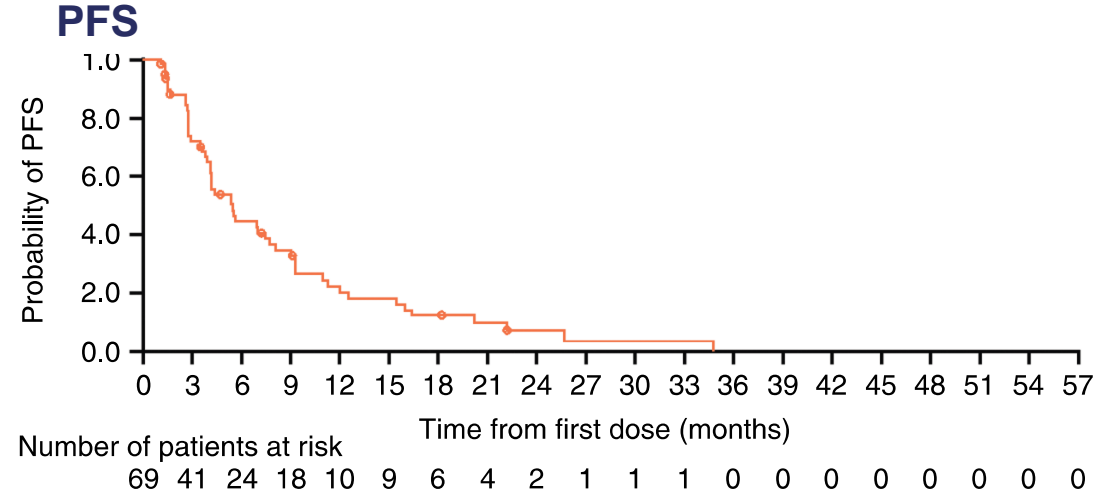
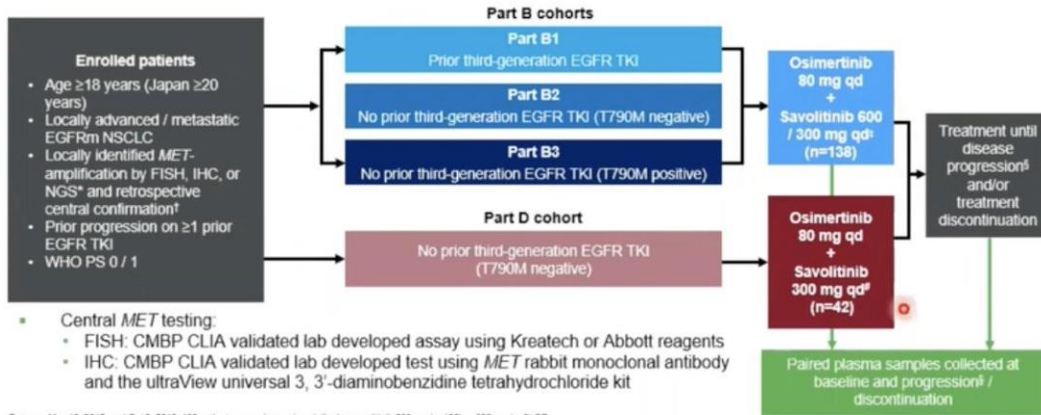
Or MET amplification (mean gene copy number ≥5 or MET to centromere of chromosome 7 ratio ≥2) n=19

- median PFS **16.6 months** [8.3–not estimable] vs **4.2 months** [1.4–7.0]; HR 0.13, 0.04–0.43
- median OS **37.3 months** [90% CI not estimable] vs **13.1 months** [3.25–not estimable]; HR 0.08, 0.01–0.51

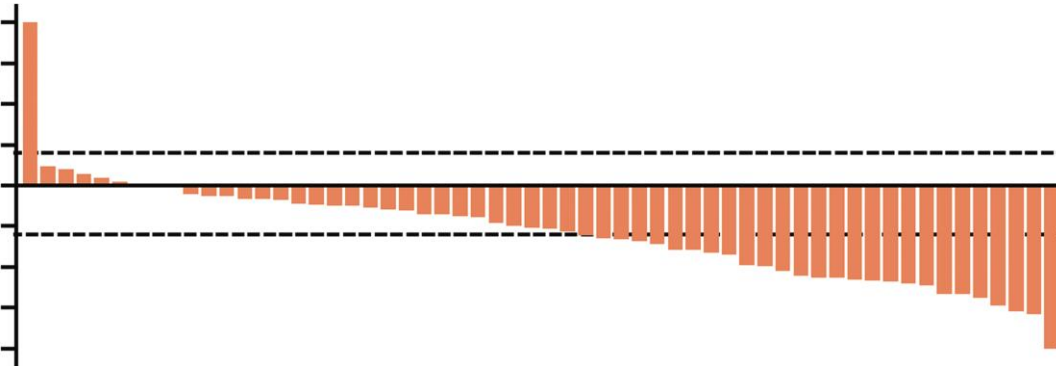


Selective MET inh + EGFR TKI

TATTON TRIAL: a multi-arm, phase Ib trial of osimertinib combined with selumetinib, savolitinib, or durvalumab in EGFR-mutant lung cancer



ORR



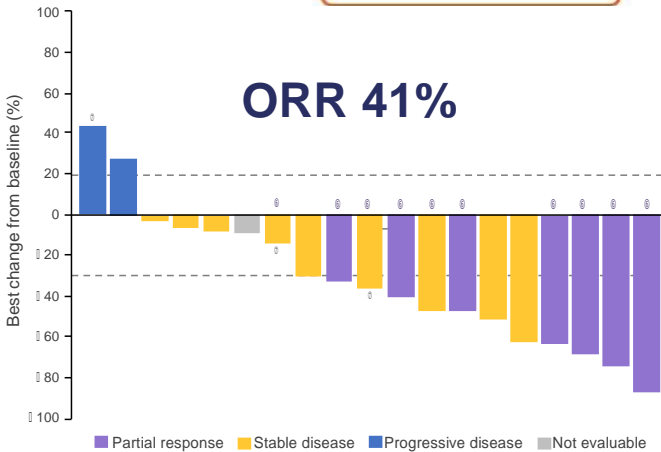
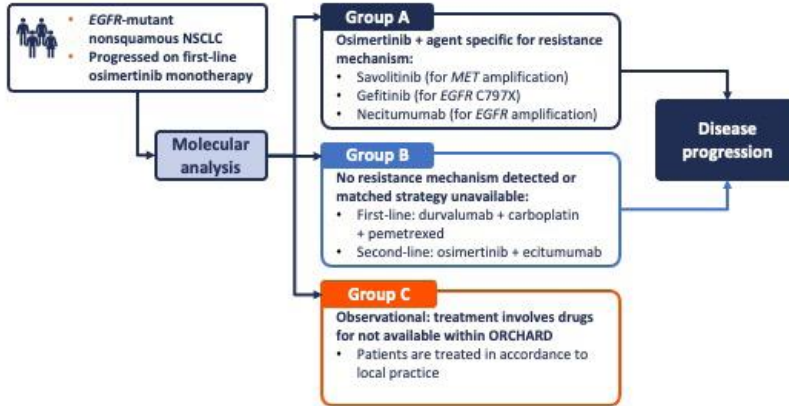
Efficacy endpoints

Endpoint	Part B: osimertinib 80 mg + savolitinib 600/300 ^a mg			Part D: osimertinib 80 mg + savolitinib 300 mg
	Previously treated with a 3G EGFR-TKI n = 69	No prior 3G EGFR-TKI, T790M-negative n = 51	No prior 3G EGFR-TKI, T790M-positive n = 18	No prior 3G EGFR-TKI, T790M-negative n = 42
ORR ^a , n (%)	23 (33)	33 (65)	12 (67)	26 (62)
(95% CI)	(22-46)	(50-78)	(41-87)	(46-76)
Complete response	0	0	0	0
Partial response	23 (33)	33 (65)	12 (67)	26 (62)
Stable disease ^b	29 (42)	12 (24)	6 (33)	13 (31)
Progressive disease	8 (12)	3 (6)	0	1 (2)
Not evaluable	9 (13)	3 (6)	0	2 (5)
Median PFS, months (95% CI)	5.5 (4.1-7.7)	9.1 (5.5-12.8)	11.1 (4.1-22.1)	9.0 (5.6-12.7)
Total PFS events, n (%)	51 (74)	36 (71)	12 (67)	29 (69)
PFS rate at 6 months, % (95% CI)	45 (32-57)	58 (43-71)	77 (49-90)	63 (45-76)
PFS rate at 12 months, % (95% CI)	21 (11-33)	38 (24-52)	47 (23-68)	38 (23-53)
Median DoR, months (95% CI)	9.5 (4.2-14.7)	10.7 (6.1-14.8)	11.0 (2.8-NC)	9.7 (4.5-14.3)
Median OS, ^c months (95% CI)	30.3 (11.8-NC)	18.8 (15.1-NC)	NC (24.4-NC)	NC (13-NC)
OS rate at 6 months, % (95% CI)	86 (74-93)	90 (77-96)	94 (65-99)	93 (79-98)
OS rate at 12 months, % (95% CI)	62 (47-73)	69 (52-81)	94 (65-99)	78 (61-88)
OS rate at 18 months, % (95% CI)	53 (38-66)	52 (36-67)	87 (58-97)	66 (49-79)



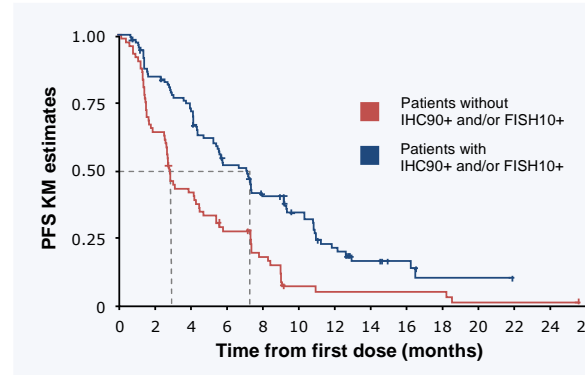
Selective MET inh + EGFR TKI

ORCHARD TRIAL Biomarker-Directed Phase II Platform Study in Patients With EGFR Sensitizing Mutation-Positive Advanced/Metastatic Non-Small Cell Lung Cancer Whose Disease Has Progressed on First-Line Osimertinib Therapy



SAVANNAH: Phase II Trial of Osimertinib + Savolitinib in EGFR-Mutant, MET-Driven Advanced NSCLC, Following Prior Osimertinib

- Osimertinib + Savolitinib
- Progressed on prior osimertinib - MET IHC3+ ≥50% and/or FISH GCN ≥5 or MET/CEP7 ratio ≥2



ORR 32%
mDOR 8.3 m
mPFS 5.3 m

Investigator assessment	With IHC90+ and/or FISH10+ status (N=108)		Without IHC90+ and/or FISH10+ status (N=77)	
	Total (N=108)	No prior CTx (n=87)	Total (N=77)	No prior CTx (n=63)
ORR (95% CI)	49% (39, 59)	52% (41, 63)	9% (4, 18)	10% (4, 20)
mDOR, months (95% CI)	9.3 (7.6, 10.6)	9.6 (7.6, 14.9)	6.9 (4.1, 16.9)	7.3 (4.1, NC)
mPFS, months (95% CI)	7.1 (5.3, 8.0)	7.2 (4.7, 9.2)	2.8 (2.6, 4.3)	2.8 (1.8, 4.2)

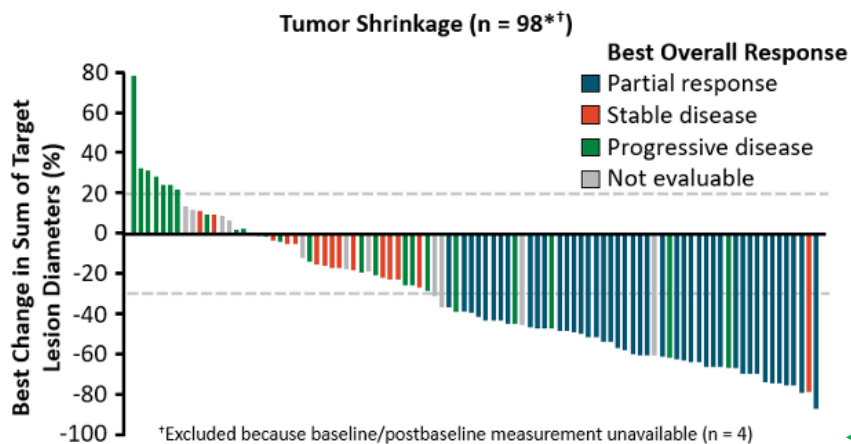
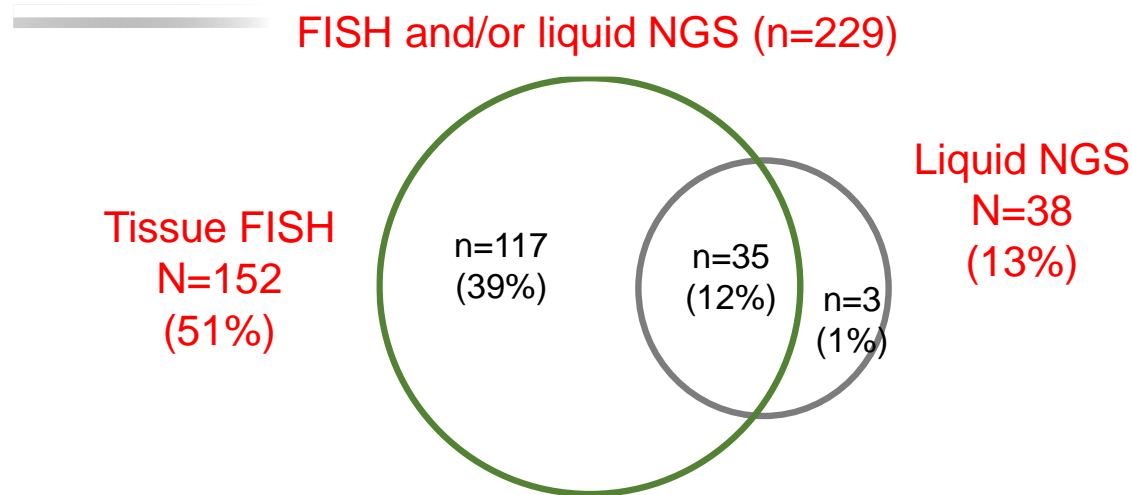


Selective MET inh + EGFR TKI

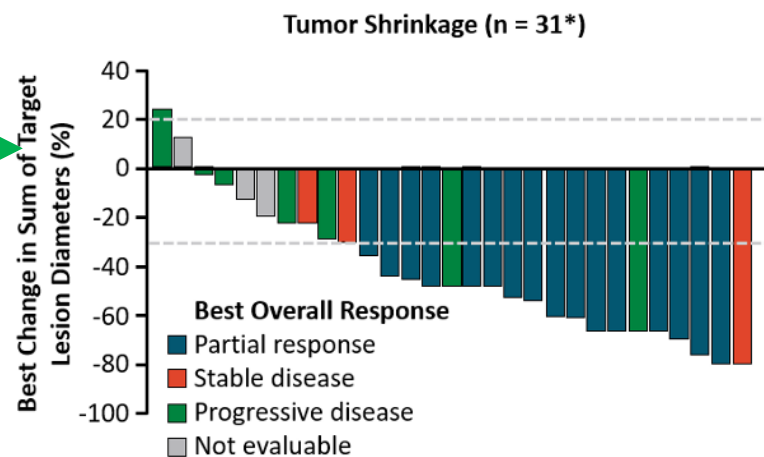
INSIGHT 2: a phase II study of tepotinib plus osimertinib in *MET*-amplified NSCLC and first-line osimertinib resistance

(n=122)

- Tepotinib 500mg po QD + Osimertinib 80mg
- Progressed on 1st line Osimertinib
- FISH (MET GCN ≥ 5 and/or MET/CEP7 ≥ 2) and/or liquid biopsy (MET plasma GCN ≥ 2.3)
- 175 out of 451 patients (38.8%) were MET (+)



	MET FISH (+) N=98	Blood based NGS N=31
ORR	43.9%	51.6%
mDoR	9.7m	5.6m
mPFS	5.4m	4.6m
mOS	NE	NE





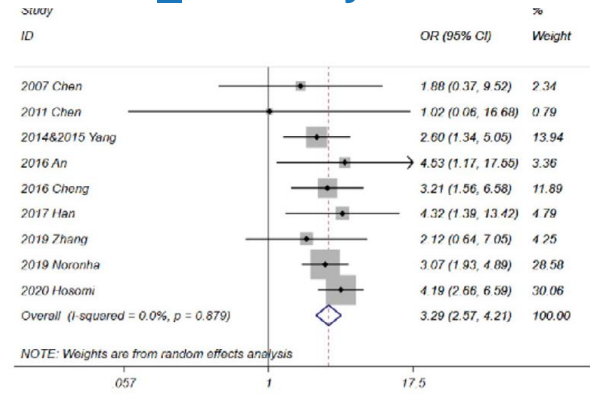
Chemotherapy + EGFR TKI

Comparison of gefitinib plus chemotherapy versus gefitinib alone: A meta analysis

Study ID	Study location	Rate of EGFR mutation	Type of tumor	Stage of cancer	Special type of population	Prospective and randomized	Combined treatment	Number of patients	Previous treatment
2007 Chen ¹⁶	China	50%	Lung adenocarcinoma	IV	None	Yes	Vinorelbine	48	previous chemotherapy with >= 2 regimens
2011 Chen ¹⁷	China	67%	Lung adenocarcinoma	IIIB/IV	None	Yes	Tegafur/Uracyl	115	failed previous chemotherapy
2014 and 2015 Yang ^{9,24,a}	Asian multicentre	68%	NSCLC	IIIB/IV	Nonsmoker/Light former smoker	Yes	Pemetrexed + cisplatin	236	chemonaive
2016 An ²⁰	China	100%	NSCLC	IIIB/IV	None	Yes	Pemetrexed	90	N/A
2016 Cheng ²¹	Asian multicentre	100%	Nonsquamous NSCLC	IV/Recurrent	None	Yes	Pemetrexed	191	no prior systemic chemotherapy, immunotherapy, or biologic therapy
2017 Han ²²	China	100%	Lung adenocarcinoma	IIIB/IV	None	Yes	Pemetrexed + Carboplatin	81	no prior systemic anticancer therapy for advanced disease
2019 Zhang ²⁵	China	100%	NSCLC	III/IV	None	No	Cisplatin	92	no prior surgery, chemotherapy, radiotherapy, or immunotherapy
2019 Noronha ²⁶	India	100%	NSCLC	IIIB/IV	None	Yes	Pemetrexed + Carboplatin	334	N/A
2020 Hosomi ¹⁸	Japan	100%	Nonsquamous NSCLC	IIIB/IV/Recurrent	None	Yes	Pemetrexed + Carboplatin	341	no prior chemotherapy

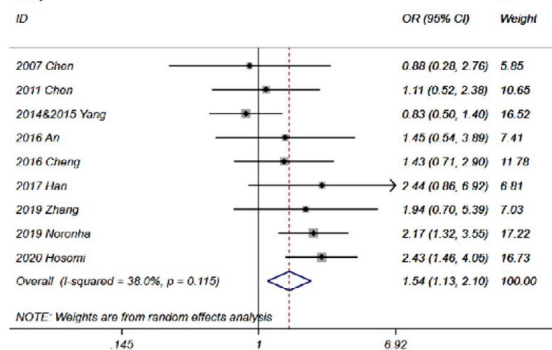
^a The two studies by Yang et al. in 2014 and 2015 reported progression-free survival and overall survival of the same patient population, respectively. Thus, the two studies were considered as one in the present analysis. EGFR, Epidermal Growth Factor Receptor; NSCLC, Non-Small Cell Lung Cancer; N/A, Not Available.

Grade ≥3 toxicity



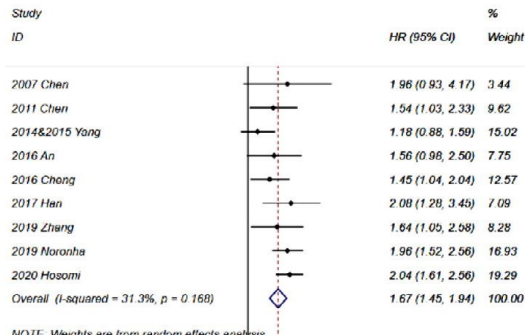
HR=3.29 (95% CI 2.57–4.21; p < 0.001)

ORR.



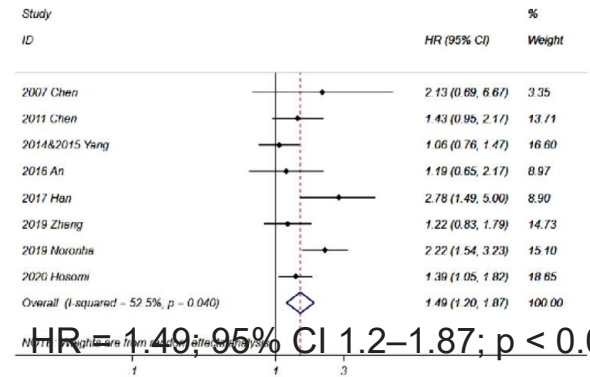
OR = 1.54; 95% CI, 1.13–2.1; p = 0.006

PFS



OR=1.67; 95% CI 1.45–1.94; p < 0.001

OS

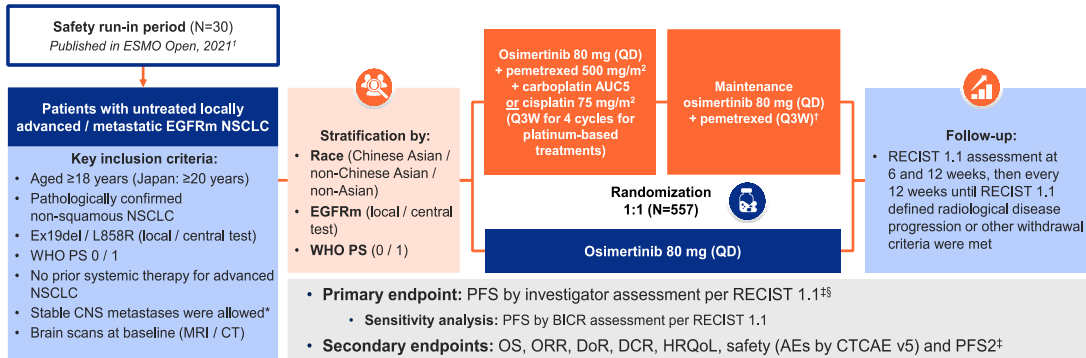


HR= 1.49; 95% CI 1.2–1.87; p < 0.001

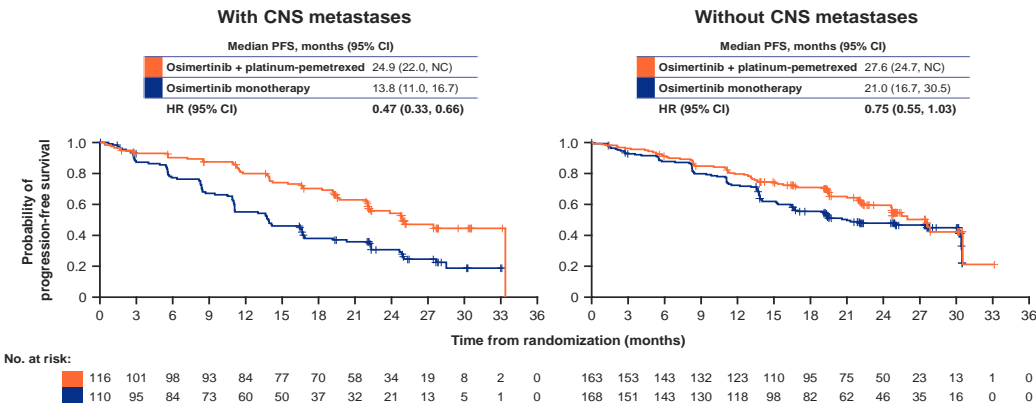


Chemotherapy + EGFR TKI

FLAURA 2: Phase III trial osimertinib in combination with chemotherapy

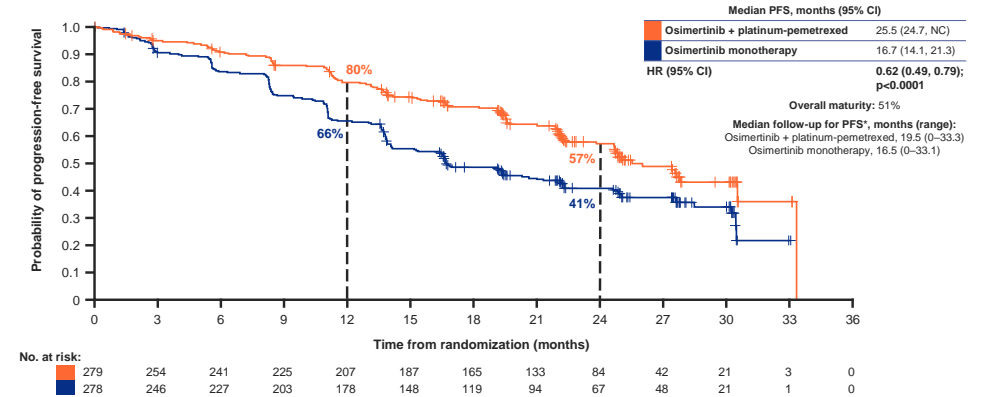


PFS per investigator in patients with / without CNS metastases at baseline*

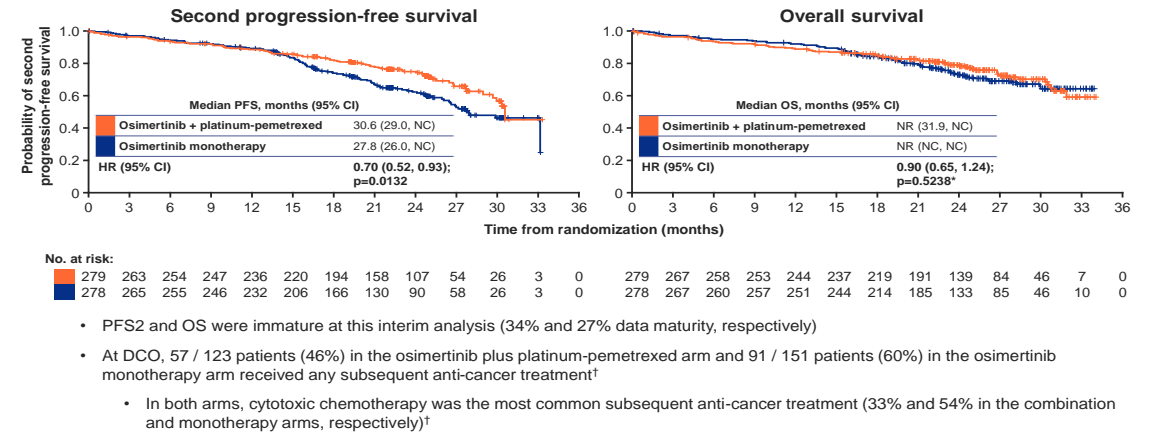


Progression-free survival per investigator

• Median PFS was improved by ~8.8 months with osimertinib plus platinum-pemetrexed vs osimertinib monotherapy



PFS2 and interim analysis of OS



• PFS2 and OS were immature at this interim analysis (34% and 27% data maturity, respectively)

• At DCO, 57 / 123 patients (46%) in the osimertinib plus platinum-pemetrexed arm and 91 / 151 patients (60%) in the osimertinib monotherapy arm received any subsequent anti-cancer treatment†

• In both arms, cytotoxic chemotherapy was the most common subsequent anti-cancer treatment (33% and 54% in the combination and monotherapy arms, respectively)†



Chemotherapy + EGFR TKI

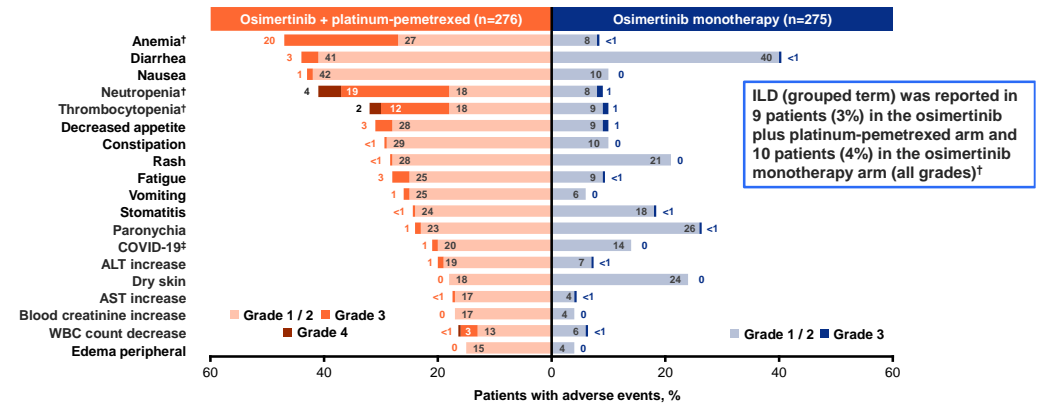
FLAURA 2: Phase III trial osimertinib in combination with chemotherapy

Safety summary

- Median total duration of osimertinib exposure was 22.3 months (range 0.1-33.8) in the osimertinib plus platinum-pemetrexed arm and 19.3 months (range 0.1-33.8) in the osimertinib monotherapy arm
- In the combination arm patients received a median of 12 cycles of pemetrexed (range 1-48) and 211 patients (76%) completed 4 cycles of platinum-based chemotherapy

Patients with AEs, n (%)*	Osimertinib + platinum-pemetrexed (n=276)	Osimertinib monotherapy (n=275)
AE any cause	276 (100)	268 (97)
Any AE #	176 (64)	75 (27)
Any AE leading to death	18 (7)	8 (3)
Any serious AE	104 (38)	53 (19)
Any AE leading to discontinuation	132 (48)	17 (6)
Osimertinib / carboplatin or cisplatin / pemetrexed discontinuation	30 (11) / 46 (17) / 119 (43)	17 (6) / NA / NA
AE possibly causally related to treatment†	269 (97)	241 (88)
Any AE #	146 (53)	29 (11)
Causally related to osimertinib / carboplatin or cisplatin / pemetrexed	81 (29) / 104 (38) / 130 (47)	29 (11) / NA / NA
Any AE leading to death	5 (2)	1 (<1)
Causally related to osimertinib / carboplatin or cisplatin / pemetrexed	3 (1) / 2 (1) / 3 (1)	1 (<1) / NA / NA
Any serious AE	52 (19)	15 (5)

Common adverse events



ILD (grouped term) was reported in 9 patients (3%) in the osimertinib plus platinum-pemetrexed arm and 10 patients (4%) in the osimertinib monotherapy arm (all grades)†

† hematological toxicities, known to be associated with chemotherapy; there were no common Grade 4 AEs in the monotherapy arm

• Osimertinib in combination with platinum-pemetrexed has demonstrated a statistically significant and clinically meaningful improvement in PFS over osimertinib monotherapy in patients with EGFRm advanced NSCLC (HR: 0.62)

- **Investigator-assessed median PFS: 25.5 vs 16.7 months (improvement of ~8.8 months)**
- **BICR-assessed median PFS: 29.4 vs 19.9 months (improvement of ~9.5 months)**

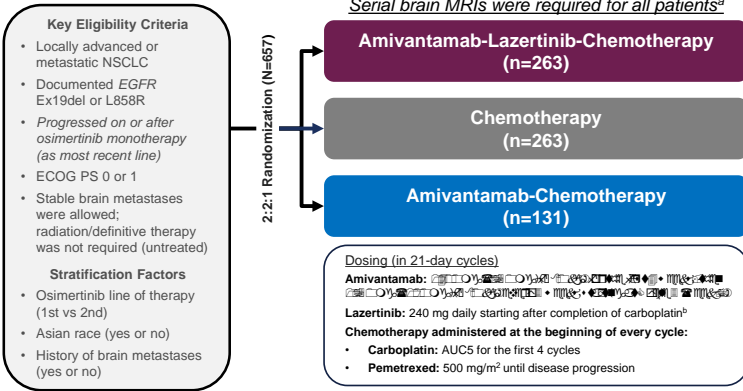
- PFS benefits were consistent across all pre-defined subgroups
- PFS2 and OS data were immature at this interim analysis
- The safety profiles were as expected for each treatment and were manageable with standard medical practice



Chemotherapy + EGFR-MET bispecific antibody

MARIPOSA-2, a Phase 3, Global, Randomized, Controlled Trial Amivantamab Plus Chemotherapy (With or Without Lazertinib) vs Chemotherapy in EGFR-mutated, Advanced NSCLC After Progression on Osimertinib

Study design



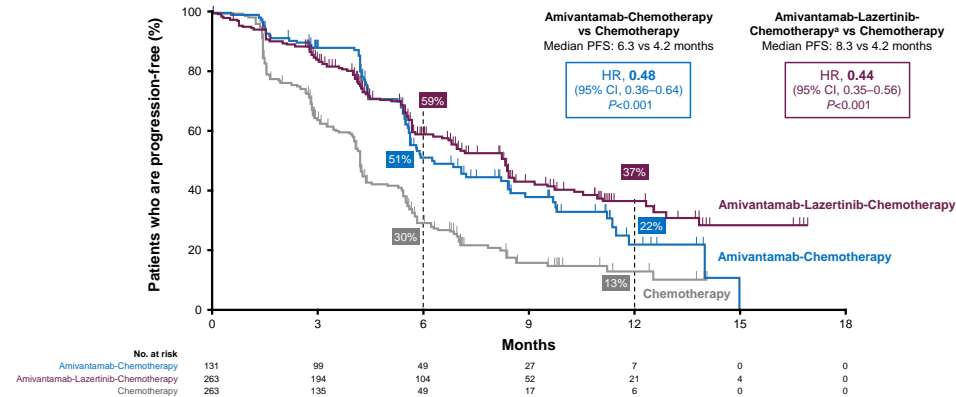
Dual primary endpoint of PFS^c by BICR per RECIST v1.1:

- Amivantamab-Lazertinib-Chemotherapy vs Chemotherapy
- Amivantamab-Chemotherapy vs Chemotherapy

Secondary endpoints:

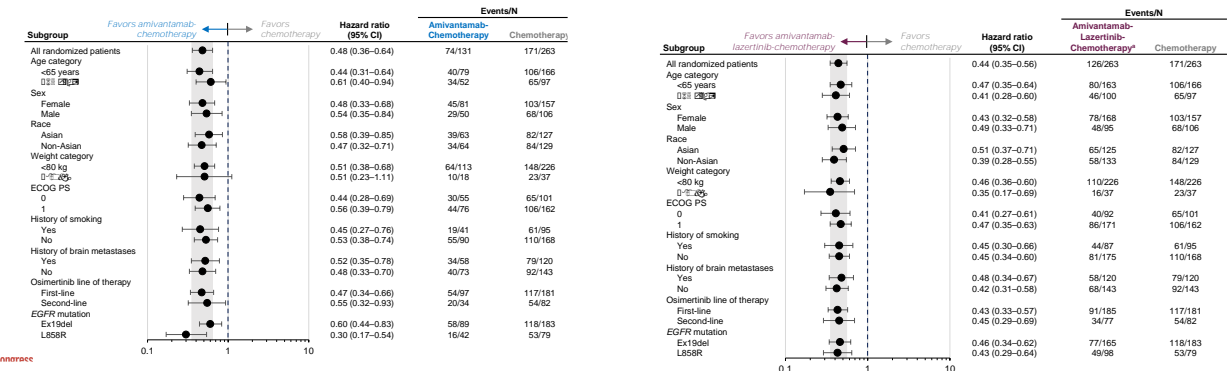
- Objective response rate (ORR)^c
- Duration of response (DoR)
- Overall survival (OS)^c
- Intracranial PFS
- Time to subsequent therapy^d
- PFS after first subsequent therapy (PFS2)^d
- Symptomatic PFS^d
- Safety

Primary Endpoint: Progression-free Survival by BICR



Consistent PFS benefit by investigator: HR, 0.41 (8.2 vs 4.2 mo; P<0.001b) & HR, 0.38 (8.3 vs 4.2 mo; P<0.001b)

PFS Benefit across subgroups



During the study, the IDMC identified increased hematologic toxicities in the amivantamab-lazertinib-chemotherapy arm

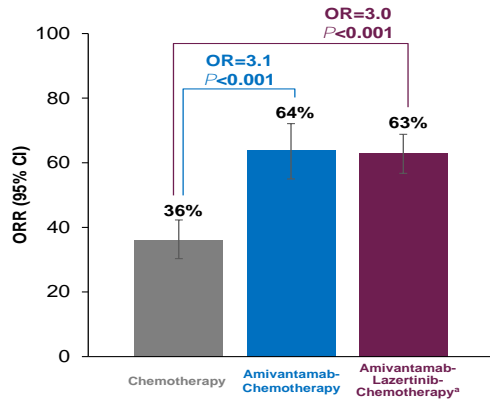
• The amivantamab-lazertinib-chemotherapy regimen was modified to start lazertinib after carboplatin completion



Chemotherapy + EGFR-MET bispecific antibody

MARIPOSA-2, a Phase 3, Global, Randomized, Controlled Trial Amivantamab Plus Chemotherapy (With or Without Lazertinib) vs Chemotherapy in EGFR-mutated, Advanced NSCLC After Progression on Osimertinib

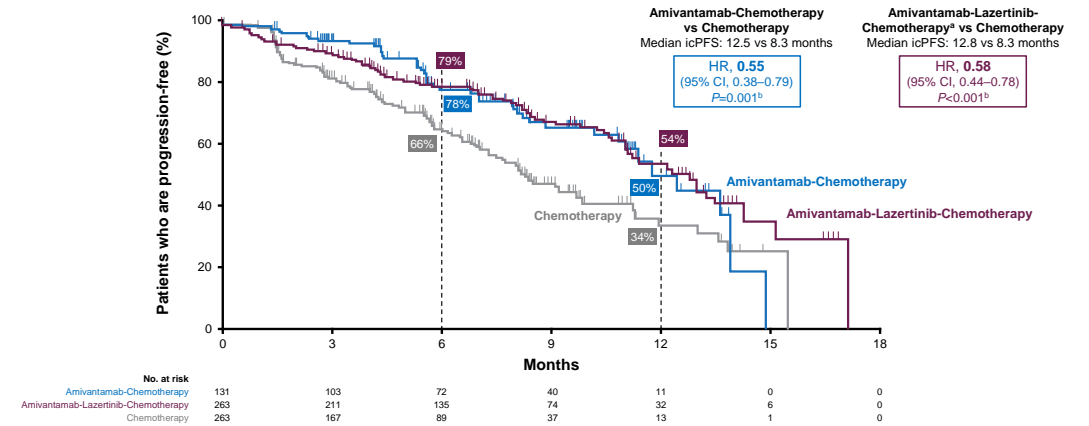
ORR ans DoR



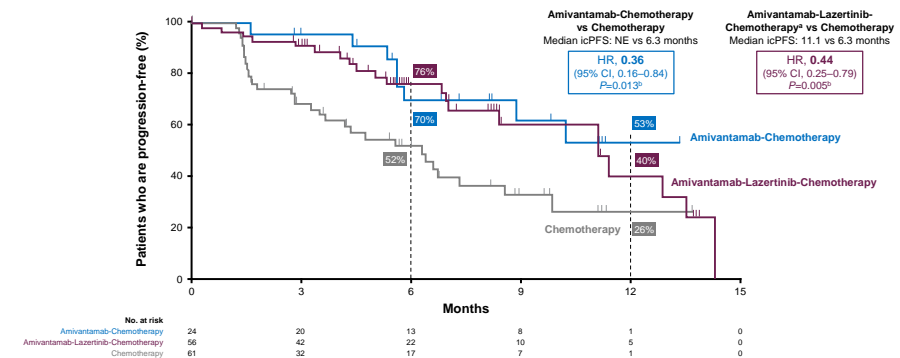
BICR-assessed Response, n (%) ^b	Chemotherapy (n=263)	Amivantamab-Chemotherapy (n=131)	Amivantamab-Lazertinib-Chemotherapy (n=263)
Best Response			
CR	1 (0.4)	2 (2)	6 (2)
PR	93 (36)	81 (62)	157 (61)
SD	82 (32)	30 (23)	61 (24)
PD	52 (20)	10 (8)	14 (5)
NE/UNK	32 (12)	7 (5)	21 (8)
Median DoR ^c	5.6 mo (95% CI, 4.2–9.6)	6.9 mo (95% CI, 5.5–NE)	9.4 mo (95% CI, 6.9–NE)

Passaro A et al ESMO 2023

Intracranial Progression-free Survival by BICR



Intracranial Progression-free Survival by BICR Among Patients With a History of Brain Metastases and No Prior Brain Radiotherapy

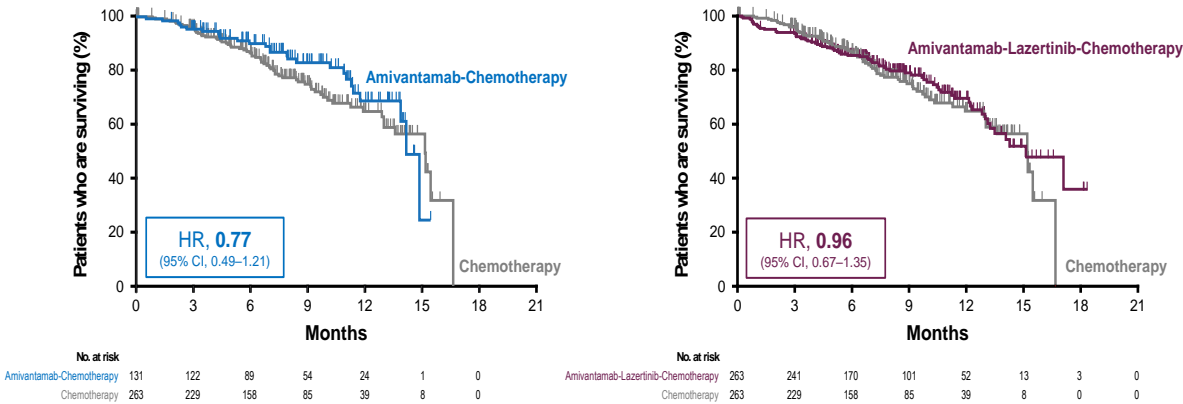




Chemotherapy + EGFR-MET bispecific antibody

MARIPOSA-2, a Phase 3, Global, Randomized, Controlled Trial Amivantamab Plus Chemotherapy (With or Without Lazertinib) vs Chemotherapy in EGFR-mutated, Advanced NSCLC After Progression on Osimertinib

Early Interim Overall Survival



Includes all randomized patients regardless of dosing regimen received
 • Median follow-up for the modified amivantamab-lazertinib-chemotherapy regimen was 5.4 months

At time of data cutoff, the median follow-up for the study was 8.7 months

Summary of Adverse Events (AEs)

	Chemotherapy (n=243)	Amivantamab-Chemotherapy (n=130)	Amivantamab-Lazertinib-Chemotherapy ^a (n=263)
Treatment duration, median (range)	3.7 months (0-15.9)	6.3 months (0-14.7)	5.7 months (0.1-18.6)
No. of chemotherapy cycles, median (range)			
Carboplatin	4 (1-5)	4 (1-4)	4 (1-4)
Pemetrexed	6 (1-23)	9 (1-22)	7 (1-25)
TEAE, n (%)	Chemotherapy (n=243)	Amivantamab-Chemotherapy (n=130)	Amivantamab-Lazertinib-Chemotherapy ^a (n=263)
Any AEs	227 (93)	130 (100)	263 (100)
Grade ≥3	117 (48)	94 (72)	242 (92)
Serious AEs	49 (20)	42 (32)	137 (52)
AEs leading to death	3 (1)	3 (2)	14 (5)
Any AE leading to treatment:			
Interruptions of any agent	81 (33)	84 (65)	202 (77)
Reductions of any agent	37 (15)	53 (41)	171 (65)
Discontinuations of any agent	9 (4)	24 (18)	90 (34)
Discontinuations of all agents due to AE	10 (4)	14 (11)	38 (14)

- Median treatment duration was longer for the amivantamab-containing arms vs chemotherapy
- Amivantamab-containing arms had higher rates of grade ≥3 AEs and dose modifications vs chemotherapy
- AEs leading to death were low
- Discontinuations of all agents due to treatment-related AEs was 2%, 8%, and 10%



EGFR-MET bispecific antibody + EGFR TKI

CHRYSALIS-2: Amivantamab and lazertinib in patients with EGFR-mutant non-small cell lung (NSCLC) after progression on osimertinib and platinum-based chemotherapy

Amivantamab is an EGFR-MET bispecific antibody with immune cell-directing activity

Lazertinib is a CNS-penetrant, 3rd-generation EGFR TKI with efficacy in activating EGFR mutations, T790M, and brain metastases

Study design

RYSALIS-2 (ClinicalTrials.gov Identifier: NCT05111015) Study Design

Dose Expansion Cohorts

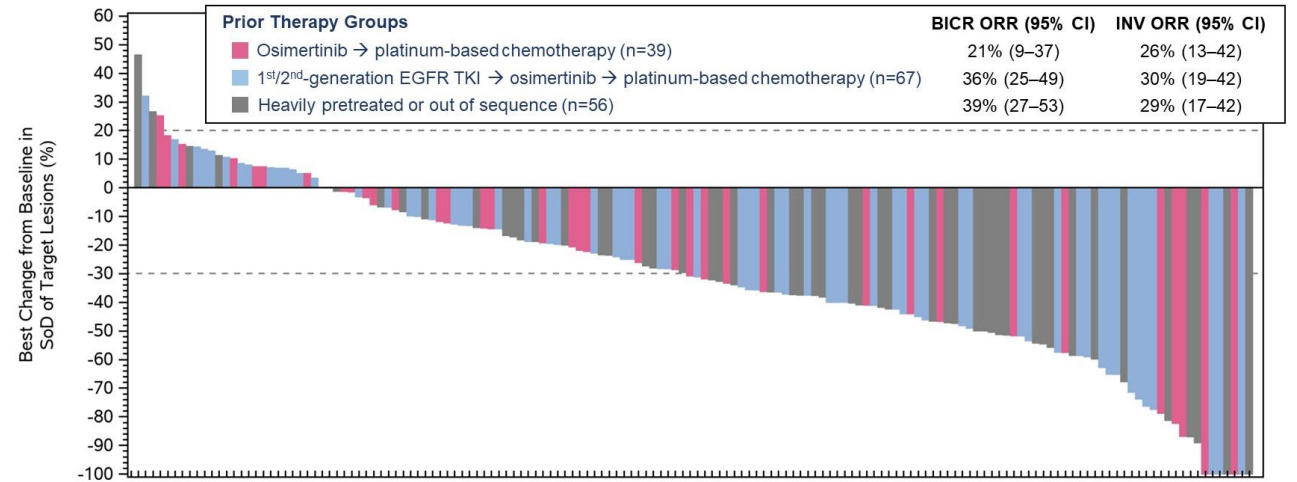
RP2CD: Lazertinib 240 mg PO +
Amivantamab 1050 mg (1400 mg for ≥80 kg) IV

Cohort A: EGFR ex19del or L858R

Post-osimertinib and platinum-based chemotherapy (n=162)

Shu C et al ASCO 2022

Best antitumor response and ORR



CNS antitumor activity

YOS13

Best CNS Lesion Assessment/evaluation	Untreated Brain Metastases (n=27)
Complete clearance (“absent”)	7 (26%)
Non-CR/non-PR (“present”)	20 (74%)
Progressive disease (“unequivocal progression”)	0



EGFR-MET bispecific antibody + EGFR TKI + chemotherapy

CHRYSALIS-2: Amivantamab and lazertinib in patients with EGFR-mutant non-small cell lung (NSCLC) after progression on osimertinib and platinum-based chemotherapy

Study design

S-2^a Study Design

N=20

Dose Expansion Cohorts

Cohort A: EGFR ex19del or L858R^b
 Post-osimertinib and platinum-based chemotherapy

Cohort B: EGFR ex20ins^b
 Post-standard of care and platinum-based chemotherapy

Cohort C: Uncommon EGFR mutations^b

CHRYSALIS-2 (NCT04077463)

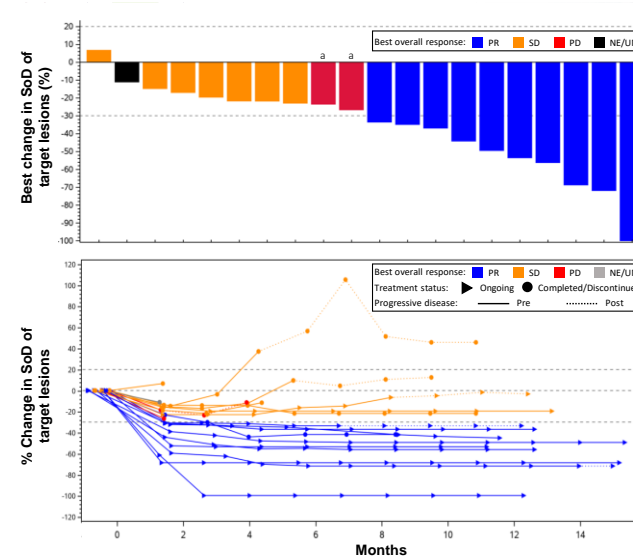
Eligibility
 EGFR-mutated, advanced NSCLC post-TKI (max of 3 prior lines)

Dosing (21-day cycle)	
Lazertinib	240 mg daily
Amivantamab	1400/1750 ^b mg on C1 D1/D2, C1D8, C1D15, C2D1; 1750/2100 ^b mg C3+ Q3W
Chemotherapy	Carboplatin (AUC5; stopped after 4 cycles) Pemetrexed (500 mg/m ²) until disease progression

Endpoints

- Adverse events (primary)
- Duration of response
- Progression-free survival
- Objective response rate
- Clinical benefit rate^c
- Overall survival

Overall Response Rate



Investigator-assessed response (n=20)	
ORR	50% (95% CI, 27-73)
Median DOR	Not estimable
Ongoing response	8 of 10 responders
Completed/Discontinued	8 of 10 responders
CBR ^b	80% (95% CI, 56-94)

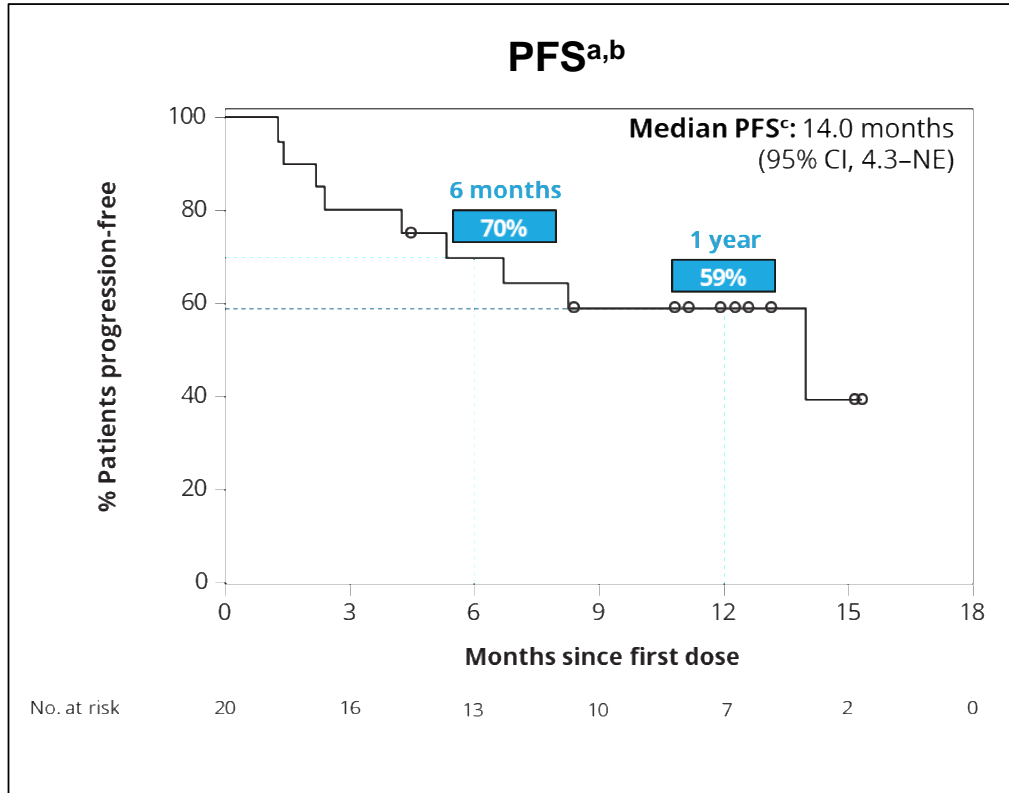
- At median follow-up of 13.1 months, 11 (55%) patients remain on treatment
- 3 of 7 patients with SD as best response had SD duration >6 m, 2 of which remain on treatment
- A total of 5 patients were treated beyond progression with increment median treatment duration after progression of 4.2 m



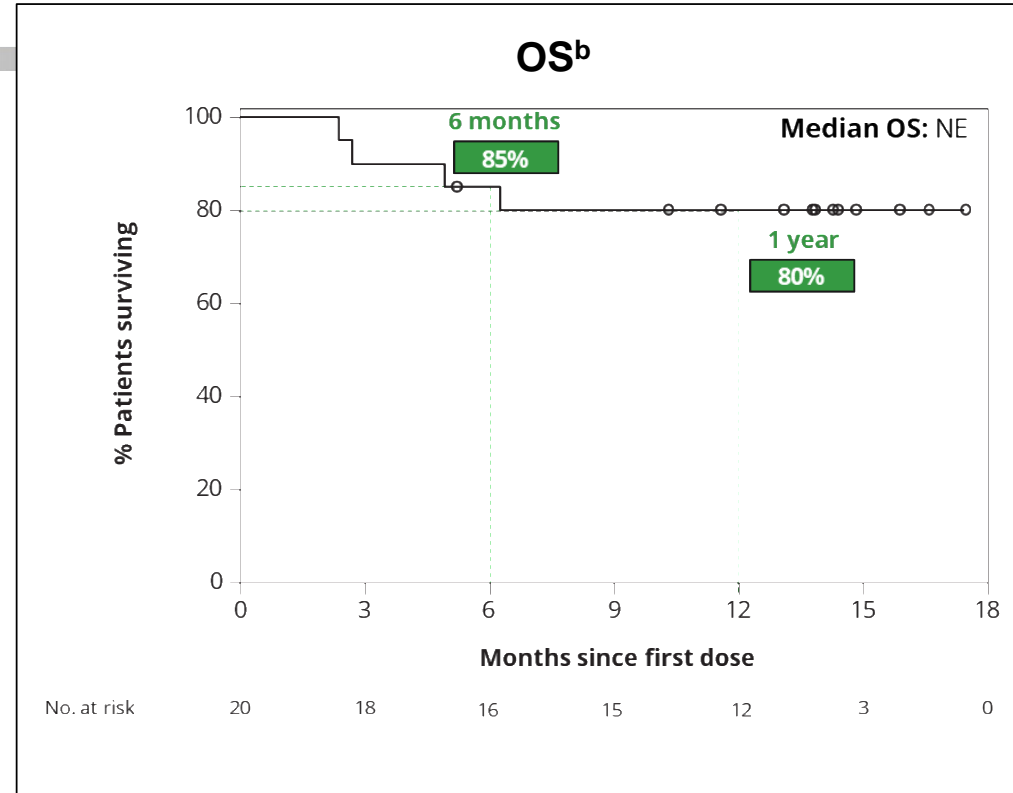
EGFR-MET bispecific antibody + EGFR TKI + chemotherapy

CHRYSALIS-2

PROGRESSION FREE SURVIVAL



OVERALL SURVIVAL





EGFR-MET bispecific antibody + EGFR TKI + chemotherapy

CHRYSALIS-2

SAFETY PROFILE

	Total ^a	
Associated with EGFR inhibition		
Rash	15 (75)	1 (5)
Paronychia	12 (60)	0
Stomatitis	12 (60)	0
Dermatitis acneiform	8 (40)	2 (10)
Diarrhea	6 (30)	1 (5)
Associated with MET inhibition		
Hypoalbuminemia	8 (40)	2 (10)
Other		
Neutropenia	18 (90)	14 (70)
IRR	13 (65)	0
Fatigue	10 (50)	5 (25)
Nausea	10 (50)	0
COVID-19	8 (40)	0
Thrombocytopenia	8 (40)	5 (25)
Constipation	7 (35)	0
Decreased appetite	7 (35)	1 (5)
Leukopenia	7 (35)	4 (20)
Alanine aminotransferase increased	6 (30)	0
Anemia	6 (30)	2 (10)
Pulmonary embolism	6 (30)	1 (5)
Aspartate aminotransferase increased	5 (25)	0
Back pain	5 (25)	0
Epistaxis	5 (25)	0
Hemorrhoids	5 (25)	0
Peripheral sensory neuropathy	5 (25)	0

- As of November 15, 2022, the median follow-up was 13.1 months
- Safety profile was consistent with that of individual components; no new safety signals, with most AEs at grade 1-2
- Median treatment cycles was 15.5 (range, 2–23)
- Median number of cycles of carboplatin and pemetrexed were 3.5 and 9.5, respectively

Efficacy according to MET expression

- ORR: 30%
- Median PFS: 5.7 months
- Median DoR: 10.8 months

	MET+ (n=28)	MET- (n=49)
ORR	61% (95% CI, 41–79)	14% (95% CI, 6–27)
Median DOR	10.8 months (95% CI, 2.9–NE)	6.8 months (95% CI, 1.9–NE)
CBR^a	86% (95% CI, 67–96)	61% (95% CI, 46–75)
Median PFS	12.2 months (95% CI, 8.0–NE)	4.2 months (95% CI, 2.8–6.4)

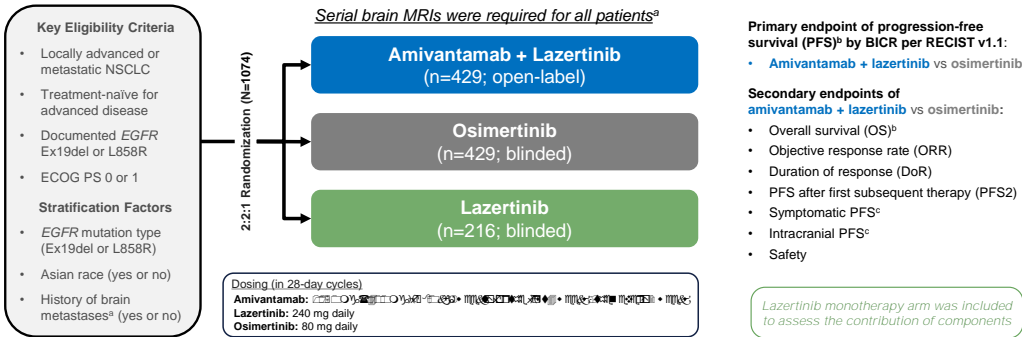
MET 3+ staining on tumor cells was identified as predictive of response
 A total of 28 of 77 (36%) patients had MET 3+

EGFR-MET bispecific antibody + EGFR TKI

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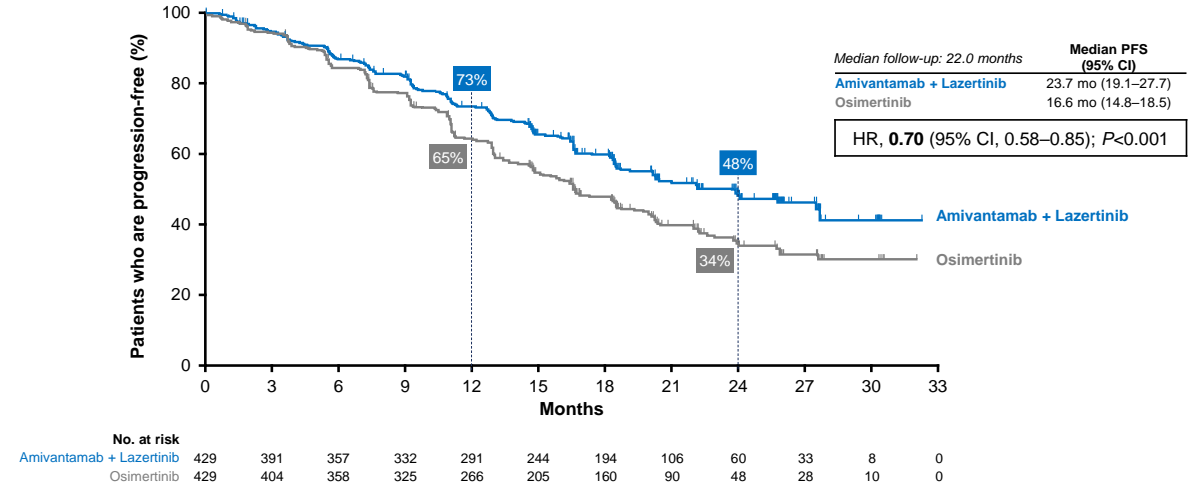
MARIPOSA: Amivantamab Plus Lazertinib Versus Osimertinib as First-line Treatment in EGFR-mutated Advanced NSCLC

Study design



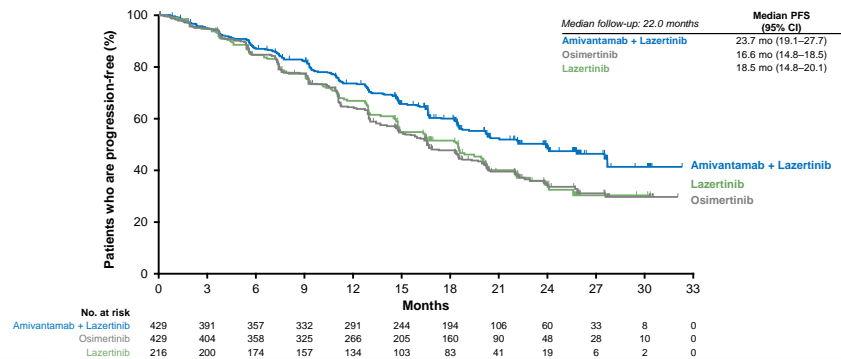
MARIPOSA (ClinicalTrials.gov Identifier: NCT04487080) enrollment period: November 2020 to May 2022; data cut-off: 11-Aug-2023.
^aBrain MRIs were required for all patients. Brain scan frequency was every 8 weeks for the first 30 months and then every 12 weeks thereafter for patients with a history of brain metastasis and every 24 weeks for patients with no history of brain metastasis. Extracranial tumor assessments were conducted every 8 weeks for the first 30 months and then every 12 weeks until disease progression is confirmed by BICR.
^bKey statistical assumptions: 800 patients with 450 PFS events would provide approximately 90% power for amivantamab + lazertinib vs osimertinib to detect a HR of 0.73 using a log-rank test, with an overall two-sided alpha of 0.05 (assuming an incremental median PFS of 7 months). Statistical hypothesis testing included PFS and then OS.
^cThese secondary endpoints (symptomatic and intracranial PFS) will be presented at a future congress.

Primary Endpoint: Progression-free Survival by BICRa

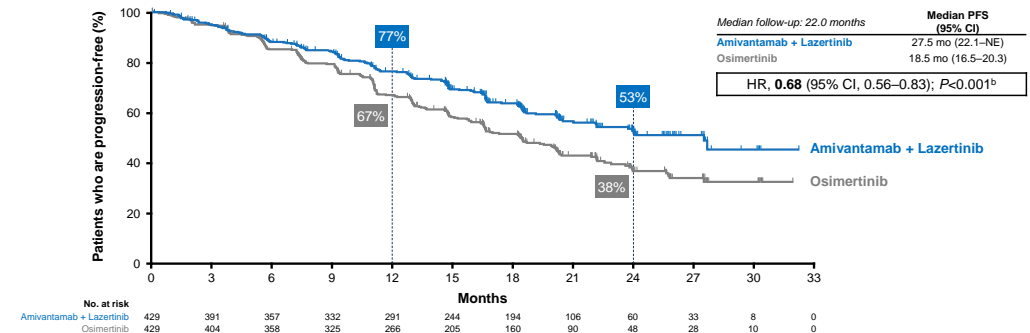


Amivantamab + lazertinib reduced the risk of progression or death by 30% and improved median PFS by 7.1 months

Lazertinib Monotherapy Demonstrates Meaningful Clinical Activity



Extracranial Progression-free Survival by BICRa

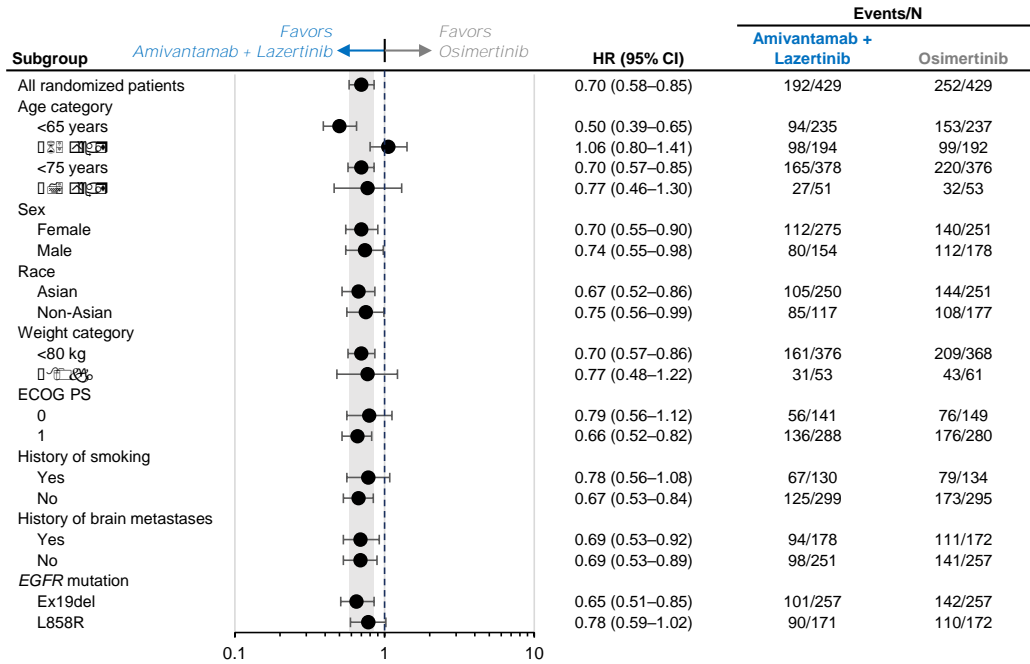




EGFR-MET bispecific antibody + EGFR TKI

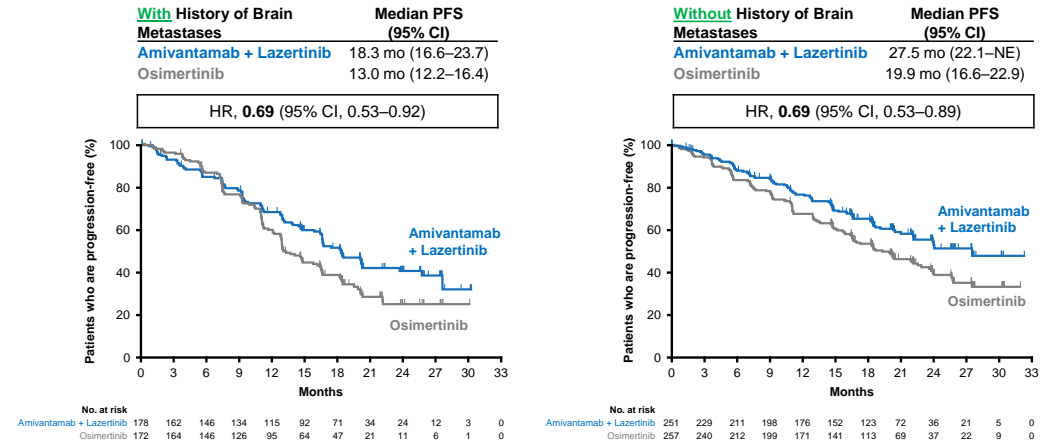
MARIPOSA: Amivantamab Plus Lazertinib Versus Osimertinib as First-line Treatment in EGFR-mutated Advanced NSCLC

PFS Benefit Seen Across Predefined Subgroups

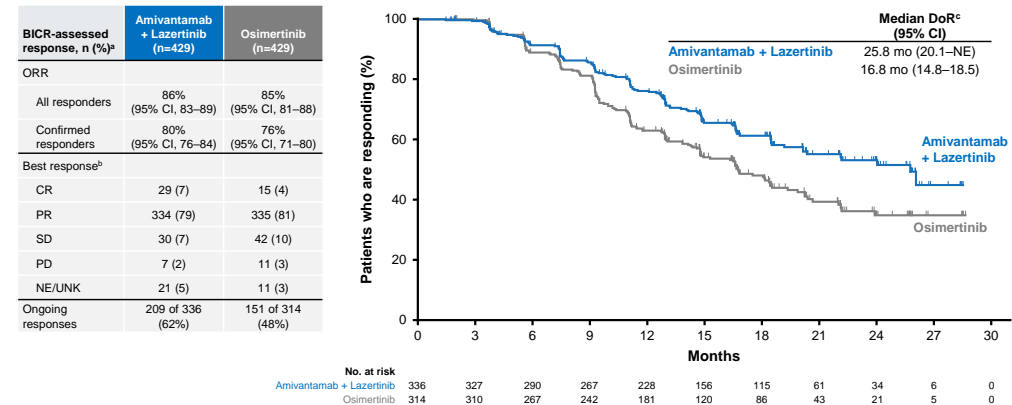


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Consistent PFS (BICR) Benefit With or Without Brain Metastases



ORR and DoR by BICR



Amivantamab + lazertinib improved median DoR by 9 months, suggesting longer time to resistance and progression

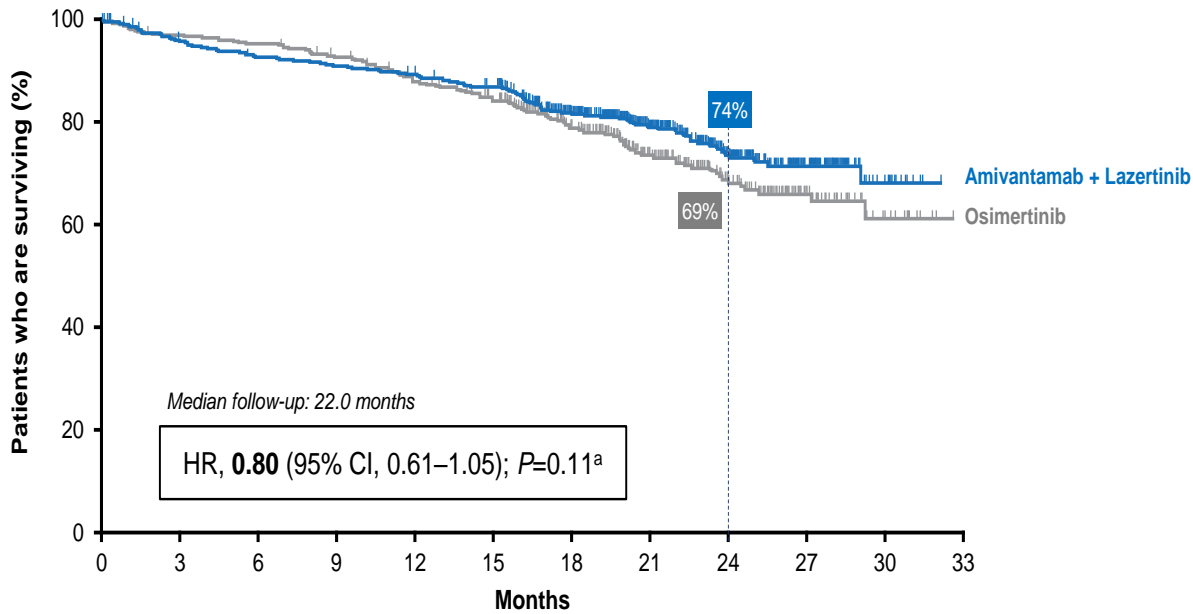


EGFR-MET bispecific antibody + EGFR TKI

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Interim Overall Survival

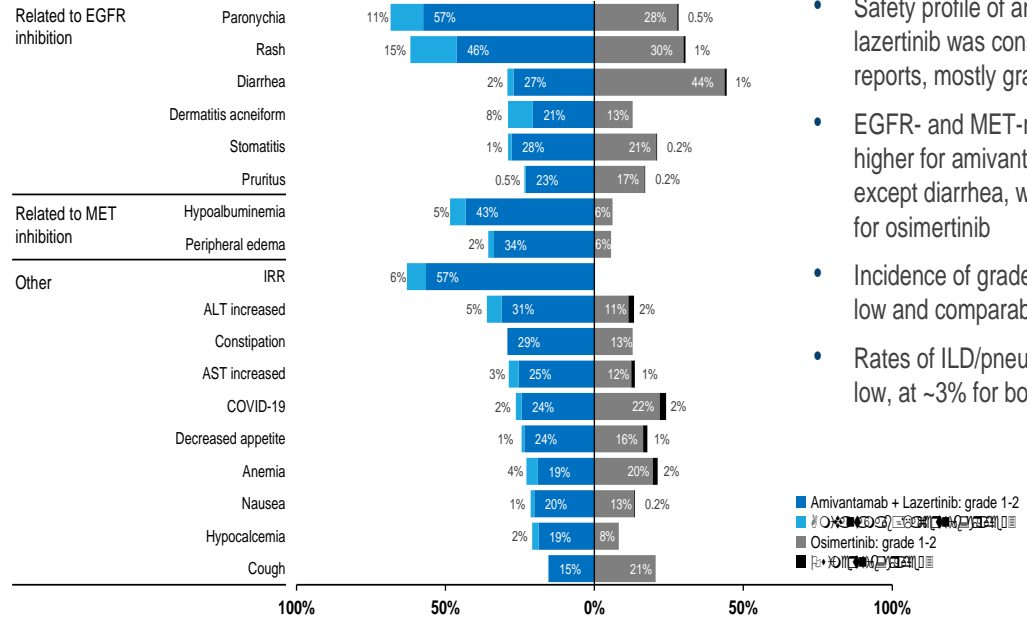


No. at risk	0	3	6	9	12	15	18	21	24	27	30	33
Amivantamab + Lazertinib	429	403	389	382	374	360	293	201	122	58	14	0
Osimertinib	429	416	409	395	372	349	280	186	110	54	13	0

- VTE rates were higher for amivantamab + lazertinib
 - Most common preferred terms were pulmonary embolism and deep vein thrombosis
 - Most VTEs were grade 1-2
 - Incidence of grade 4-5 VTEs was low (<1%)
 - and comparable between arms

Safety Profile

by preferred term, n (%)



- Safety profile of amivantamab + lazertinib was consistent with prior reports, mostly grades 1-2
- EGFR- and MET-related AEs were higher for amivantamab + lazertinib except diarrhea, which was higher for osimertinib
- Incidence of grade 4-5 AEs was low and comparable between arms
- Rates of ILD/pneumonitis remained low, at ~3% for both arms

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Antiangiogenic drugs + EGFR TKI

Fase 2 JO25567: Erlotinib + Bevacizumab vs Erlotinib

Fase 2 : Erlotinib + Bevacizumab vs Erlotinib

F2 (T790M tras TKI): Osimertinib + Bevacizumab vs Osimertinib

F2: Osimertinib + Bevacizumab vs Osimertinib

mPFS: 16 vs 9,7m; p=0,0015

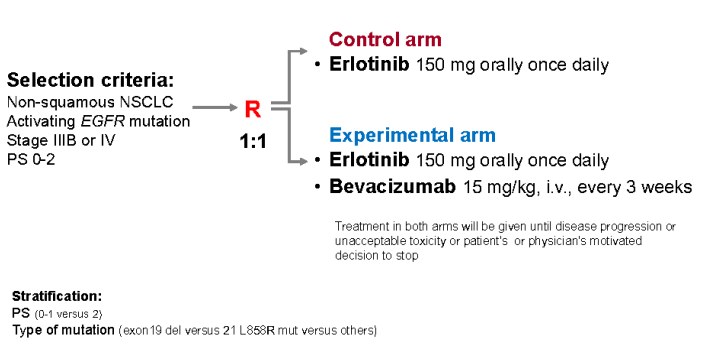
mPFS: 17,9 vs 13,5m; p=0,33

mPFS: 9,4 vs 13,5m; p=0,20

mPFS: 20,2 vs 22,1m; p=0,213

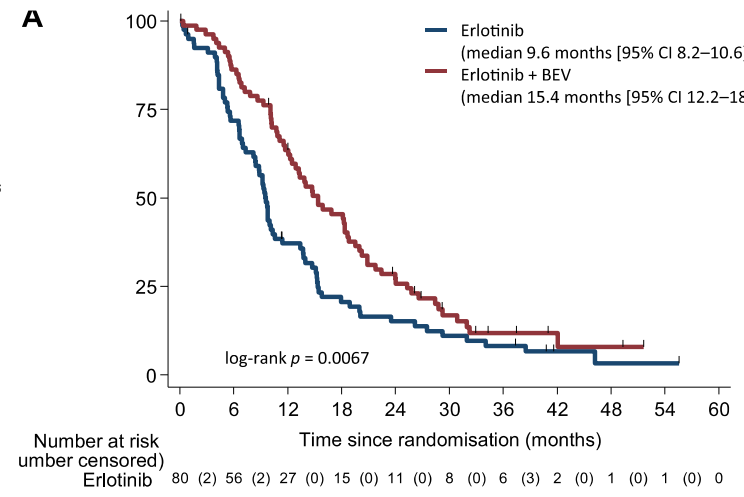
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Piccirillo MC, et al. ESMO 2021 (Abstr 12070).

Beverly trial Addition of Bevacizumab to Erlotinib as First-Line Treatment of Patients With EGFR-Mutated Advanced Nonsquamous NSCLC

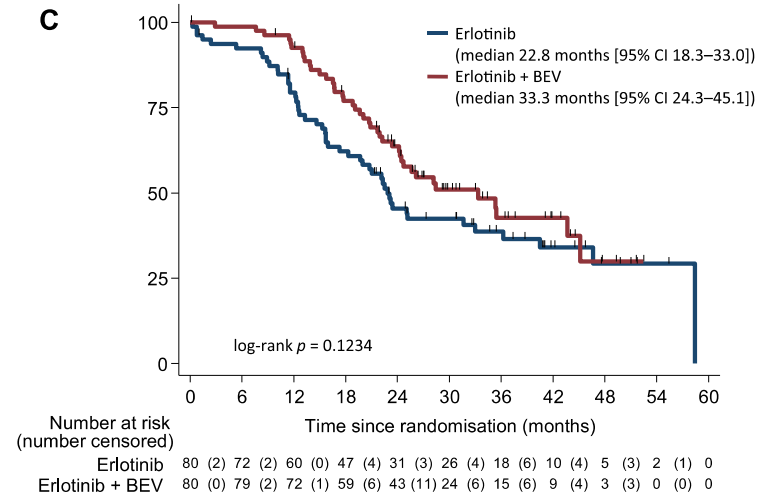


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Stinchcombe TE, et al. Jama Oncol 2019;5:1448-55.
Saito H, et al. Lancet Oncol 2019;20:625-35.
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Progression Free Survival.



Overall Survival

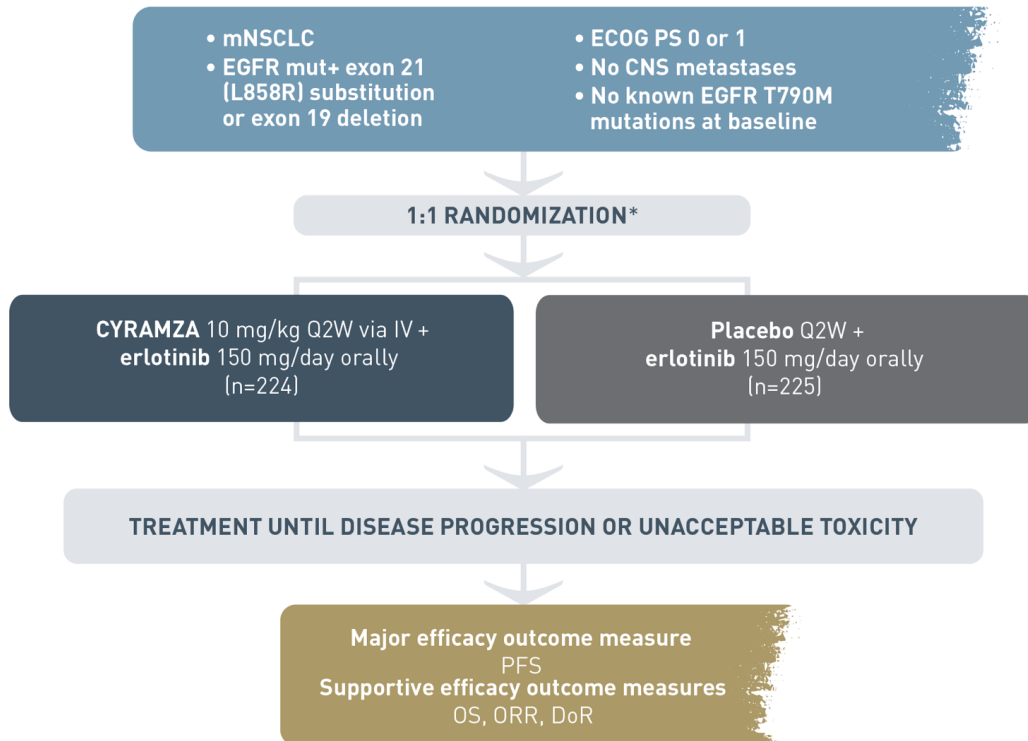




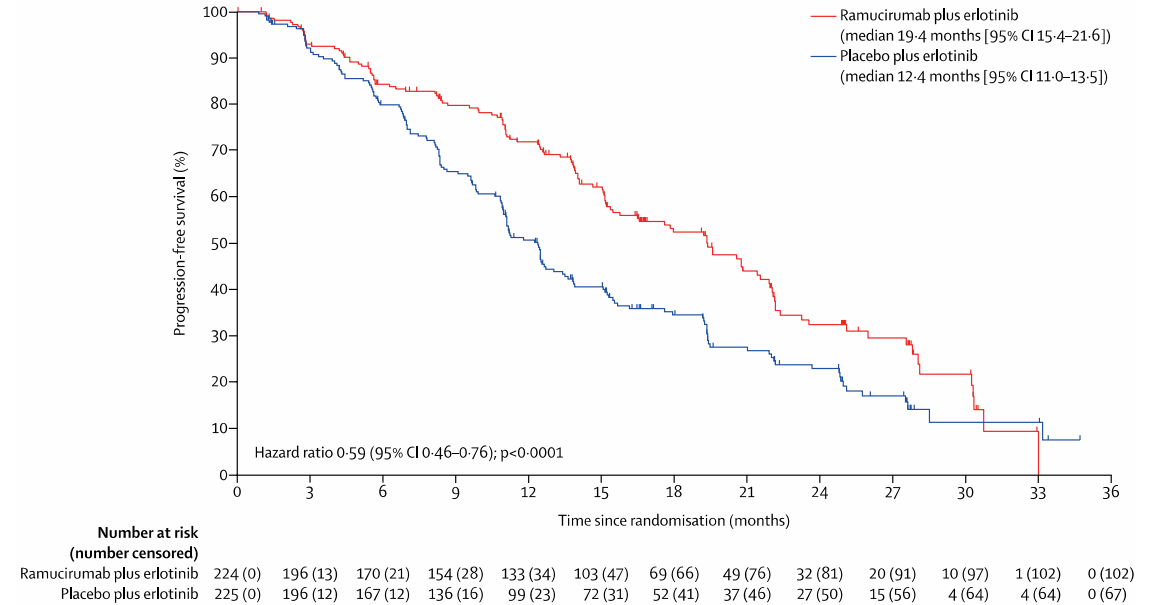
Antiangiogenic drugs + EGFR TKI

RELAY: N=449

CYRAMZA + erlotinib vs placebo + erlotinib



Progression Free Survival





To wrap up...

- **Chemotherapy combined with EGFR inhibition and EGFR-MET bispecific antibody + EGFR TKI, while awaiting overall survival data, represents a novel standard in first-line treatment.**
- **EGFR TKIs will remain the primary treatment for a significant proportion of patients with EGFR gene mutations.**
- **After first-line treatment of EGFR-mutated patients, exploring clinical trials for selective MET inhibitors or antibody-drug conjugates (ADCs) targeting the MET pathway in cases of MET overexpression could be considered. For patients previously treated with EGFR-MET bispecific antibody in the first line, uncertainties might arise regarding subsequent steps or treatments in their medical care pathway.**
- **Prioritizing research on anti-angiogenic drugs, especially in combination with emerging treatments, should continue in the management of EGFR gene mutation patients**

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CANCER
23&24
November 2023

#15CongressGeCP

“Algunas veces hay que decidirse entre una cosa a la que se está acostumbrado y otra que nos gustaría conocer.”

Paulo Coelho

Muchas Gracias