

Preventing Moderate to Severe Dermatologic Adverse Events in First-line *EGFR*-mutant Advanced NSCLC Treated with Amivantamab Plus Lazertinib

Early Success of the COCOON Trial

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DECLARATION OF INTERESTS



Nicolas Girard

Consulting fees: AbbVie, Amgen, AstraZeneca, BeiGene, Boehringer Ingelheim, Bristol Myers Squibb, Daiichi Sankyo, Gilead, F. Hoffmann–La Roche, Johnson & Johnson, Leo Pharma, Eli Lilly, Merck Sharp & Dohme, Novartis, Sivan, Mirati, Pfizer, Sanofi, and Takeda

Payment or honoraria: AbbVie, Amgen, AstraZeneca, BeiGene, Boehringer Ingelheim, Bristol Myers Squibb, Daiichi Sankyo, Gilead, F. Hoffmann–La Roche, Johnson & Johnson, Leo Pharma, Eli Lilly, Merck Sharp & Dohme, Novartis, Sivan, Mirati, Pfizer, Sanofi, and Takeda

Support for attending meetings and/or travel: Johnson & Johnson, Amgen, and Bristol Myers Squibb

Data safety monitoring board or advisory board: F. Hoffmann-La Roche

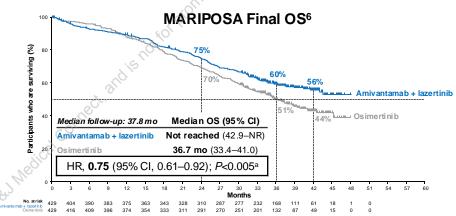


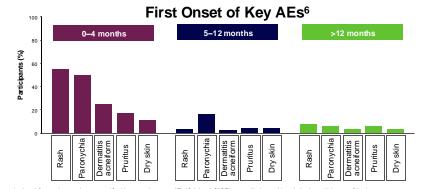


Background



- EGFR-targeted therapies have been associated with dermatologic AEs, which are often treated reactively in clinical practice¹⁻³
- First-line amivantamab + lazertinib is FDA- and EMA-approved for EGFR-mutant advanced NSCLC based on the results of the phase 3 MARIPOSA study (NCT04487080)^{4,5}
 - The first onset of dermatologic AEs often occurs in the first 4 months of treatment⁶
 - Early management of dermatologic AEs is expected to allow patients to remain on treatment longer with amivantamab + lazertinib
- COCOON (NCT06120140) prospectively evaluated a simple prophylactic regimen to prevent moderate to severe EGFR-related dermatologic AEs







In total, 390 deaths had occurred in the amivantamab + lazertinib (173 deaths) and csimertinib (217 deaths) arms. P-value was calculated from a log-rank test shatified by mutation type (Ex19del or L858R), race (Asian or Non-Asian), and history of brain metastasis (present or absent). Hazard ratio was calculated from a shatified Cox regression model. 1. Peng Y, et al. Biosci Trands. 2019;12(6);537-552. 2. Basse C, et al. Lung Cancer. 2022;173:116-123. 3. Petrelli F, et al. Br. J. Dematol. 2016;175(6):1166-1174.
4. RYBREVANT® (amivantamab-vmjw) injection, for intravenous use [package insert]. Horsham, PA: Janssen Biotech, Inc.; 2025. 5. European Commission approves Lazeduze (lazertinib) in combination with Post and the Commission approves Lazertinib in accordance on the Commission accordance on the Commissio



Phase 2 COCOON Study Design



Key Eligibility Criteria

- Locally advanced or metastatic NSCLC
- Treatment-naïve for advanced disease
- Documented EGFR Ex19del or L858R
- ECOG PS score of 0 or 1

Stratification Factors

- Race (Asian vs non-Asian)
- Age (<65 years vs ≥65 years)

COCOON DM: Amivantamab + lazertinib + enhanced dermatologic management (n=99) SoC DM: Amivantamab + lazertinib + standard dermatologic management (n=102)

COCOON DM Regimen:

- · Oral doxycycline or minocycline for 12 wks
 - Followed by topical clindamycin lotion on the scalp
- · Chlorhexidine on the nails
- Ceramide-based moisturizer on the body and face^b

SoC DM included general skin prophylaxis per local practice and reactive treatment, such as topical corticosteroids and systemic antibiotics

VTE prophylaxis was mandatory for the first 4 mo

Primary Endpoint:

Incidence of grade ≥2 dermatologic AEsc in the first 12 weeks after initiation of amiyantamab + lazertinib treatment^d

Key Secondary Endpoints:

- Number of grade ≥2 dermatologic AEs^c per participant
- Incidence and severity of paronychia^d
- Incidence and severity of scalp rash^d
- Frequency of dose reductions, interruptions, and discontinuations due to AEs

Interim analysis planned for when ~70% of participants completed Week 12 assessmentse



COCOON (Clinical Trials.gov Identifier: NCT06120140).

Planned enrollment of 200 participants was estimated to provide a power of 82% to detect a 35% difference in dermatologic adverse events of interest. La Roche Posay Lipikar AP+M moisturizer was used in COCOON. Preferred terms included rash, dermatifs acneiform, pruritus, skin fissures, acne, foliculifs, erythema, eczema, maculopapular rash, skin exfoliation, skin irritation, dermatifis, rash erythematous, rash macular, rash papular, rash papular, rash putular, dermatifis contact, dermatifis exfoliative generalized, drug eruption, dyshidrotic eczema, eczema asteatotic, and paronychia. Severity per National Cancer Institute Common Terminology Criteria for Adverse Events (NCI CTCAE) v5.0. All analyses were performed using the safety analysis set.



Baseline Demographics and Clinical Characteristics



- At a median follow-up of 4.2 months,^a 138 participants received ≥1 dose of amivantamab + lazertinib (safety analysis set)^b and had ≥12 weeks of follow-up^c
- The median duration of amivantamab + lazertinib treatment was 4.2 months with COCOON DM^d vs 4.1 months with SoC DM

Characteristic, n (%)	COCOON DM (n=70)	SoC DM (n=68) ^e	
Median age, years (range)	62.5 (36–78)	62.5 (37–83)	
Female	42 (60)	37 (54)	
Racef	Wecr.		
Asian	52 (74)	49 (72)	
White	17 (24)	19 (28)	
ECOG PS 1	44 (63)	36 (53)	
History of smoking	24 (34)	21 (31)	
History of brain metastases	23 (33)	27 (40)	
EGFR mutation type			
Ex19del	35 (50)	37 (54)	
L858R	35 (50)	31 (46)	

Baseline characteristics were well balanced across arms

Note: Percentages may not sum to 100 due to rounding.



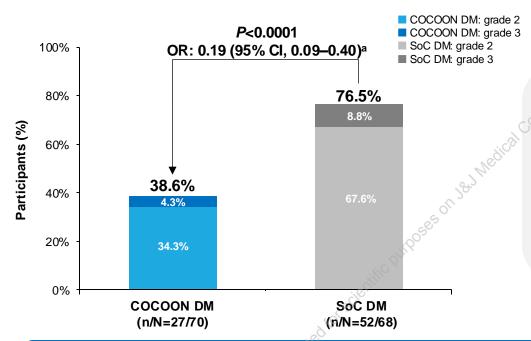
*Due to limited follow-up at the interim analysis, efficacy results will be reported at a future congress. PAII analyses were performed using the safety analysis set. 9138 participants had the opportunity to receive treatment for 12 weeks; however, some discontinued prior to Week 12. In the COCOON DM arm, 48 participants received doxycycline for a median duration of 2.7 months, and 24 participants received minocycline for a median duration of 2.8 months. Participants randomized to SoC DM did not meet inclusion criteria at C1D1 and discontinued the study prior to receiving amivantamab + lazertinib. Participant in the COCOON DM arm was American Indian or Alaska Native.

DM, dermablogic management; ECOG PS, Eastern Cooperative Oncology Group performance status; Ex19del, exon 19 deletion; L858R, exon 21 L858R substitution; SoC, standard of care



COCOON: Primary Endpoint Reached at First Analysis





In the first 12 weeks:

- 2-fold reduction in grade ≥2 dermatologic AEs with COCOON DM vs SoC DM (38.6% vs 76.5%)
- 2-fold reduction in grade 3 dermatologic AEs with COCOON DM vs SoC DM (4.3% vs 8.8%)
- 3-fold reduction in the number of participants who reported 2 or more different grade ≥2 dermatologic AEs with COCOON DM vs SoC DM (6% vs 18%)

COCOON DM reduced grade ≥2 dermatologic AEs by 50% vs SoC DM





Consistent Reductions in Grade ≥2 Dermatologic AEs Were Observed Across All Subgroups



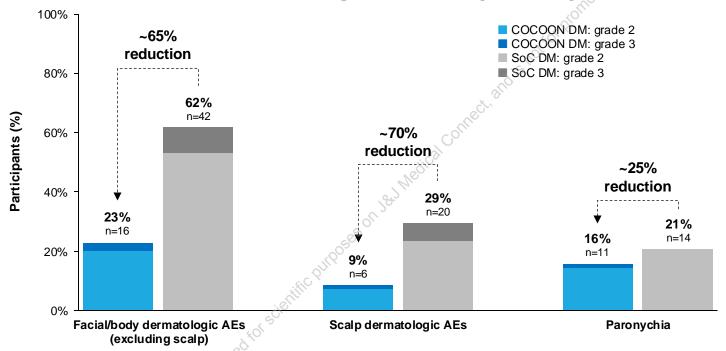
	Favors	Favors	Events/N		
Subgroup	COCOON DM	▶ SoC DM	OR (95% CI) ^b	COCOON DM	SoC DM
All participants ^a	⊢		0.19 (0.09–0.40)	27/70	52/68
Age category					
<65 years	⊢ ●		0.28 (0.11–0.71)	17/41	28/39
≥65 years	⊢←		0.11 (0.03-0.375)	10/29	24/29
ECOG PS score					
0	⊢		0.17 (0.05-0.55)	11/26	26/32
1	⊢● -1 ¦		0.22 (0.085–0.57)	16/44	26/36
Sex		10			
Female	 • • • • • • • • • • • • • • • • •	187	0.35 (0.14-0.89)	19/42	26/37
Male	⊢	~ 2	0.08 (0.02-0.27)	8/28	26/31
Race		0,			
Asian	⊢●	-CE	0.18 (0.08–0.43)	20/52	38/49
Non-Asian	⊢● ¦,	005	0.23 (0.06–0.915)	7/18	14/19
Weight category					
<80 kg	, sc \		0.215 (0.10–0.46)	25/63	46/61
≥80 kg	Sill.		0.07 (0.005–0.97)	2/7	6/7
EGFR mutation type					
Ex19del	(5)		0.16 (0.06–0.46)	13/35	29/37
L858R	iled for a		0.23 (0.08–0.66)	14/35	23/31
History of dermatologic disease	*©C				
No	::00"		0.19 (0.09–0.41)	24/63	49/64
Yes	iett.	<u> </u>	0.25 (0.02–3.77)	3/7	3/4
	0.001 0.1 2	2 4			





Grade ≥2 Dermatologic AEs by Body Location





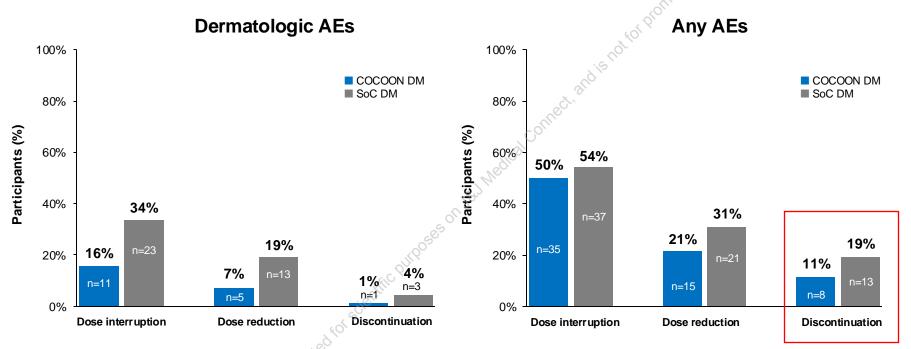
In the first 12 weeks, substantial reductions in grade ≥2 dermatologic AEs were observed on different body locations with COCOON DM compared to SoC DM, including a 70% reduction in scalp dermatologic AEs



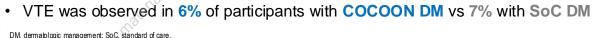


Dose Modifications of Amivantamab/Lazertinib Due to AEs





Participants using the COCOON DM regimen had lower rates of amivantamab or lazertinib discontinuations due to AEs (11% vs 19% for SoC)





COCOON Study Conclusions



- At the first pre-planned interim analysis, the primary endpoint was met: The prophylactic COCOON DM regimen significantly reduced the incidence of grade ≥2 dermatologic AEs^a vs SoC DM in the first 12 weeks
 - Incidence of grade ≥2 dermatologic AEs was reduced by 50% with COCOON DM vs SoC DM (P<0.0001)
 - Grade 3 dermatologic AEs were reduced by >50% with COCOON DM vs SoC DM
 - >3-fold reduction in moderate to severe scalp dermatologic AEs with COCOON DM compared with SoC DM
- ~50% reduction in discontinuations due to AEs with COCOON DM vs SoC DM allows participants to remain
 on treatment
- The COCOON DM and SoC DM arms are fully enrolled (N=201) with additional results planned at upcoming congresses^b



The prophylactic COCOON DM regimen, with widely available and easy-to-use agents, significantly reduced the incidence and severity of dermatologic AEs with amivantamab + lazertinib





Preventing AEs with Amivantamab + Lazertinib



Begin Amivantamab + Lazertinib

IRR Prophylactic Regimen (SKIPPirr)¹

2 Days to 1 hour before start

Oral 8-mg dexamethasone BID 2 days and 1 day prior and 8-mg 1 hour before first infusion^a

VTE Prophylactic Regimen (PALOMA-2, PALOMA-3)^{2,3}

First 4 months

Oral anticoagulants as per NCCN or local guidelines

Dermatologic Prophylactic Regimen (COCOON)^b

Antibiotic prophylaxis



Weeks 1-12

100-mg BID doxycycline or minocycline

Weeks 13+

1% Topical clindamycin lotion on the scalp daily

Nail cleaning agent



Weeks 1+

4% Chlorhexidine on the fingernails and toenails daily for 12 months

Long-acting skin hydration



Weeks 1+

Ceramide-based moisturizer at least daily for 12 months^c

alnctudes standard premedication (antihistamines, antipyretics, and glucocorticoids). Prophylactic antibiotics: oral doxycycline or minocycline 100 mg BID; bpical clindamy cin lotion 1% on scalp daily before bed time. Par onychia prophylaxis: chlor bexidine 4% on the fingemails and toerails daily. Skin moisturization: La Roche Posay Lipikar AP+M moisturizer on the body and face at least daily. La Roche Posay Lipikar AP+M moisturizer was used in COCOON.

BID, twice daily; IRR, infusion-related reaction; VTE, venous thromboembolism.

1. Spira Al, et al. J Thorac Orcd. 2025 Jan 24:S1556-0864(25)00051-6. 2. Scott SC, et al. Presented at: American Society for Clinical Oncology (ASCO) Annual Meeting; May 31-June 4, 2024; Chicago, IL, USA. 3. Leighl NB, et al. J Clin Oncol. 2024 Oct 20;42(30):3593-3605.

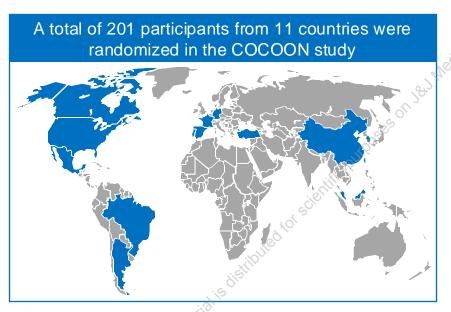




Acknowledgments



- · Participants who were enrolled in the study and their families and caregivers
- Physicians and nurses who cared for participants and staff members who supported this clinical trial
- Staff members at the study sites and involved in data collection/analyses
- Medical writing assistance was provided by Lumanity Communications Inc. and funded by Johnson & Johnson





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