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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Consistent reductions in grade ≥2 dermatologic AEs were

Background

- · Epidermal growth factor receptor (EGFR)-targeted therapies have been associated with dermatologic adverse events (AEs), which are often treated reactively in clinical practice¹⁻³
- First-line amivantamab + lazertinib is U.S. Food and Drug Administration (FDA)- and European Medicines Agency (EMA)-approved for *EGFR*-mutant advanced non-small cell lung cancer (NSCLC) based on the results of the phase 3 MARIPOSA study (NCT04487080; Figure 1)45
- The first onset of dermatologic AEs often occurs in the first 4 months of treatment (Figure 2)⁶
- 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 AE

FIGURE 1: MARIPOSA final OS⁶

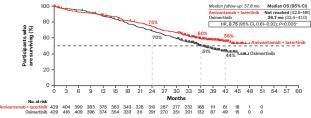
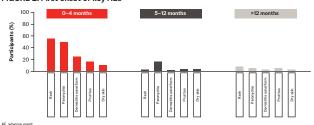


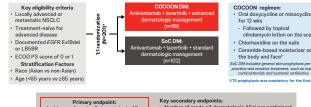
FIGURE 2: First onset of key AEs⁶

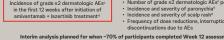


Methods

The COCOON study design is presented in Figure 3

FIGURE 3: Phase 2 COCOON study design





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Results

Study participants

- Baseline characteristics were well balanced across arms (Table 1)
- At a median follow-up of 4.2 months, 138 participants received ≥1 dose of amivantamab + lazertinib (safety analysis set) and had ≥12
- weeks of follow-up Due to limited follow-up at the interim analysis, efficacy results will be reported at a future congress. All analyses were performed using the safety analysis set. 138 participants had the opportunity to receive treatment for 12 weeks; however, some discontinued prior to Week 12
- The median duration of amivantamab + lazertinib treatment was 4.2 months with COCOON dermatologic management (DM) vs 4.1 months with standard-of-care (SoC) DM
- In the COCOON DM arm, 48 participants received doxycycline for a median duration of 2.7 months, and 24 participants ved minocycline for a median duration of 2.8 months

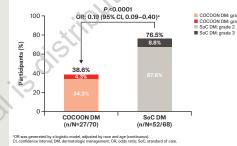
TABLE 1: Baseline demographics and clinical characteristics

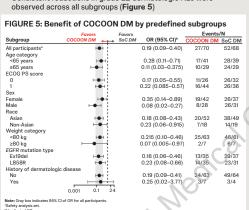
Characteristic, n (%)	COCOON DM (n=70)	SoC DM (n=68)*
Median age, years (range)	62.5 (36-78)	62.5 (37–83)
Female	42 (60)	37 (54)
Race ^b		
Asian	52 (74)	49 (72)
White	17 (24)	19 (28)
ECOG PS 1	44 (63)	36 (53)
History of smoking	24 (34)	21 (31)
History of brain metastases	23 (33)	27 (40)
EGFR mutation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

Efficacy

- COCOON DM reduced grade ≥2 dermatologic AEs by 50% vs SoC DM (Figure 4)
- 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 $\geq\!\!2$ dermatologic AEs with COCOON DM vs SoC DM (6% vs 18%)

FIGURE 4: COCOON: Primary endpoint reached at first analysis





• 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 (Figure 6)

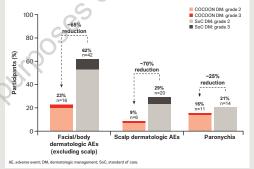
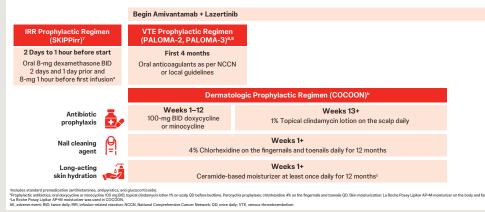


FIGURE 8: Preventing AEs with amivantamab + lazertinib



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FIGURE 6: Grade ≥2 dermatologic AEs by body location

Key takeaway

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

Conclusions



· Participants using the COCOON DM regimen had lower rates of

FIGURE 7: Dose modifications of amivantamab/lazertinib due

19% for SoC; Figure 7)

COCOON DM vs 7% with SoC DM

Venous thromh

A. Dermatologic AEs

to AEs

B. Any AE

amivantamab or lazertinib discontinuations due to AEs (11% vs

mbolism was observed in 6% of participants with

COCOON DM

COCOON DM

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 vs SoC DM in the first 12 weeks

- Preferred terms included rash, dermatitis acneiform, pruritus, skin fissures, acne, folliculitis, erythema, eczema, maculopapular rash, skin exfoliation, skin lesion, skin irritation, dermatitis, rash erythematous, rash macular, rash papular, rash pruritic, rash pustular, dermatitis contact, dermatitis exfoliative generalized, drug eruption, dyshidrotic eczema, eczema asteatotic, and paronychia
- 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 treatments

The COCOON DM and SoC DM arms are fully enrolled (N=201) with additional results planned at upcoming congresses

• A subcutaneous arm and further prophylactic and reactive regimens are being evaluated (Figure 8)

Acknowledgments

Disclosures

Lung Cancer

