Dermatologic prophylaxis and impact on patient-reported outcomes in first-line *EGFR*-mutant advanced NSCLC treated with amivantamab plus lazertinib: Results from the phase 2 COCOON trial

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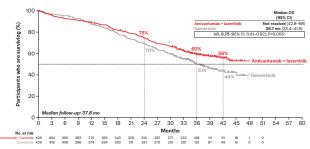
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Background

- First-line amivantamab + lazertinib is approved by the FDA, EMA, and other global regulatory agencies for epidermal growth factor receptor (EGFR)—mutant advanced non-small cell lung cancer (NSCLC) based on the results of the phase 3 MARIPOSA study (ClinicalTrials.gov Identifier: NCT04487080)¹²
- In MARIPOSA, first-line (1L) amivantamab + lazertinib significantly improved overall survival versus osimertinib (hazard ratio, 0.75; 95% CI, 0.61–0.92; P<0.005; Figure 1)³

FIGURE 1: MARIPOSA final OS3



Note: Last participant was enrolled in May 2022. Clinical cutoff date was December 4, 2024. In total, 390 deaths had occurred in the amivantamab * lazer tinib (173 deaths) and osimertinib (277 deaths) arms.

**Pulse was calculated from a locarant test stratified by mutation type (Ex19del or LBSBR); race (Asian or non-Asian), and history of brain metastasis (present or absent).

- The phase 2 COCOON trial (NCT06120140) prospectively evaluated an uncomplicated prophylactic regimen (COCOON dermatologic management [DM]) to prevent moderate to severe EGFR-related dermatologic adverse events (AEs) associated with amivantamab + lazertinib, which are often treated reactively in clinical practice
- COCOON DM achieved early success at a prespecified interim analysis (median follow-up: 4.2 months), showing a significant reduction in grade ≥2 dermatologic AEs versus standard-of-care (SoC) DM (38.6% vs 76.5%; P<0.0001)⁴
- Fewer treatment discontinuations due to AEs were observed in COCOON DM versus SoC DM (11.4% vs 19.1%), allowing participants to remain on treatment⁴
- Here, we present patient-reported outcomes (PROs) from the first 12 weeks of COCOON to demonstrate that reducing dermatologic AEs impacts the quality of life (QoL) of patients with FGFR-mutant advanced NSCI C receiving amiyantamab + lazertinib

Methods

FIGURE 2: Phase 2 COCOON study design



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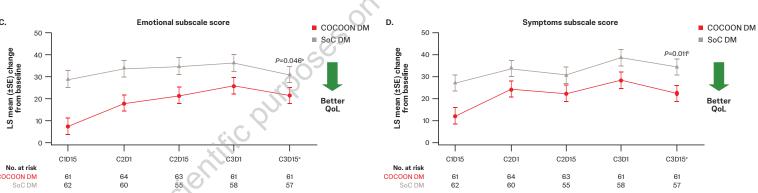
- To provide a robust analysis of the association between dermatologic symptoms and participants' health-related QoL, PRO instruments were utilized, with responses collected every 2 weeks (Figure 2)
- The Skindex-16 questionnaire was validated to assess the impact of skin conditions on QoL using 3 subscales (functioning, emotional, and symptoms) and an average score (0 [no impact] to 100 [impact experienced all the time])
- Patient Global Impression of Severity (PGI-S) is a participant-reported 4-point rating scale (none, mild, moderate, or severe symptoms) that assesses the severity of rash, skin condition, and nail infection over time
- The interim analysis was planned for when participants completed Week 12 assessments, and PROs described here are from the first 12 weeks of treatment, which is when most first-onset dermatologic AEs take place³

Results

Skindex-16

- At Cycle (C) 3 Day (D) 15, a lower average Skindex-16 total score was observed with COCOON DM versus SoC DM (P=0.023; Figure 3A)
- Substantial and consistent separation favoring COCOON DM was observed in all postbaseline subscales, indicating lower severity of dermatologic AEs and reduced impact of those AEs on QoL (Figure 3B-D)

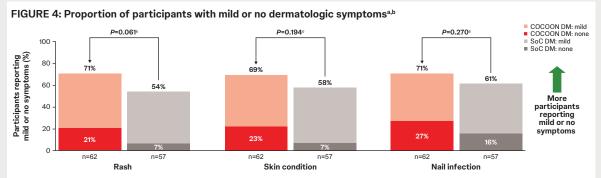
FIGURE 3: Skindex-16° (A) total score and (B) functioning, (C) emotional, and (D) symptoms subscale scores A. Total score COCCON DM SoC DM P=0.023° P=0.023° Ro. at risk COCON DM SoC DM SoC



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PGI-S

- At C3D15, most participants in the COCOON DM arm did not report any moderate or severe symptoms on the PGI-S
- This benefit was observed consistently at all earlier time points
- A substantial benefit was observed for COCOON DM versus SoC DM, with more participants reporting mild or no symptoms on the PGI-S for rash, skin condition, and nail infection with COCOON DM (Figure 4)
- With COCOON DM, 3-fold more participants reported no symptoms of rash or skin condition, and 1.7-fold more reported no symptoms of nail infection versus participants in the SoC DM arm



PGIS is a participant-reported 4-point rating scale (none, mild, moderate, or severe symptomin). (*2015 was the last time point prior to Week 12. The interim analysis was planned for when participants completed Week 12 assessments. *Wil P values are nomina. C. Ovice. D. Dur. Mild Aerenatosion canadoscent CPGIS. Petrol (Sobel Impression Aerenatosion Central College Impression Central Central College Impression Central Cent

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Key takeaways





Among participants with EGFR-mutant advanced NSCLC, 1L amivantamab + lazertinib significantly improved OS³

COCOON DM, an uncomplicated regimen with widely available agents, achieved a significant reduction in the impact of this anticancer treatment on QoL compared to SoC DM

Conclusions



At this analysis, which evaluated the first 12 weeks of treatment, participants in the COCOON DM arm experienced lower severity of dermatologic symptoms and a reduced impact on QoL than participants in the SoC DM arm



Substantial and consistent separation favoring COCOON DM was observed in all postbaseline Skindex-16 subscales



Most participants in the COCOON DM arm reported mild or no dermatologic symptoms $\,$

 This benefit was consistently observed across the first ~10 weeks of treatment

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