

# Incidence and Management of Dermatologic Adverse Reactions With Intravenous Amivantamab Plus Lazertinib: Analysis of the Fully Enrolled Population

## Rationale: Dermatologic AEs Observed With Amivantamab + Lazertinib in MARIPOSA<sup>1,3</sup>

 [Click to learn more](#) about dermatologic AEs observed in MARIPOSA

Incidence



First Onset



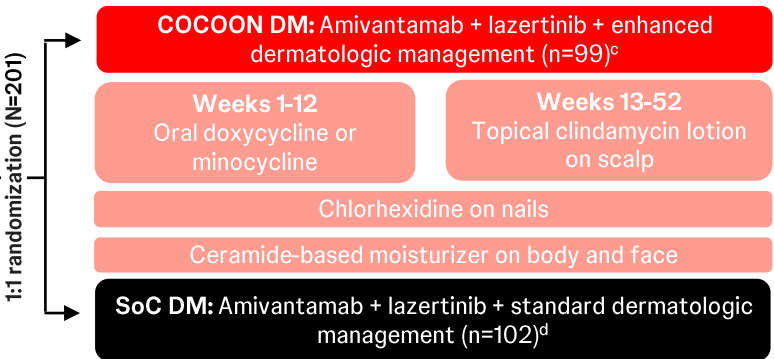
### Phase 2 COCOON Trial: Investigating Enhanced Dermatologic Management With IV Amivantamab + Lazertinib<sup>4,5,a,b</sup>

#### 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)



VTE prophylaxis was mandatory for the first 4 months

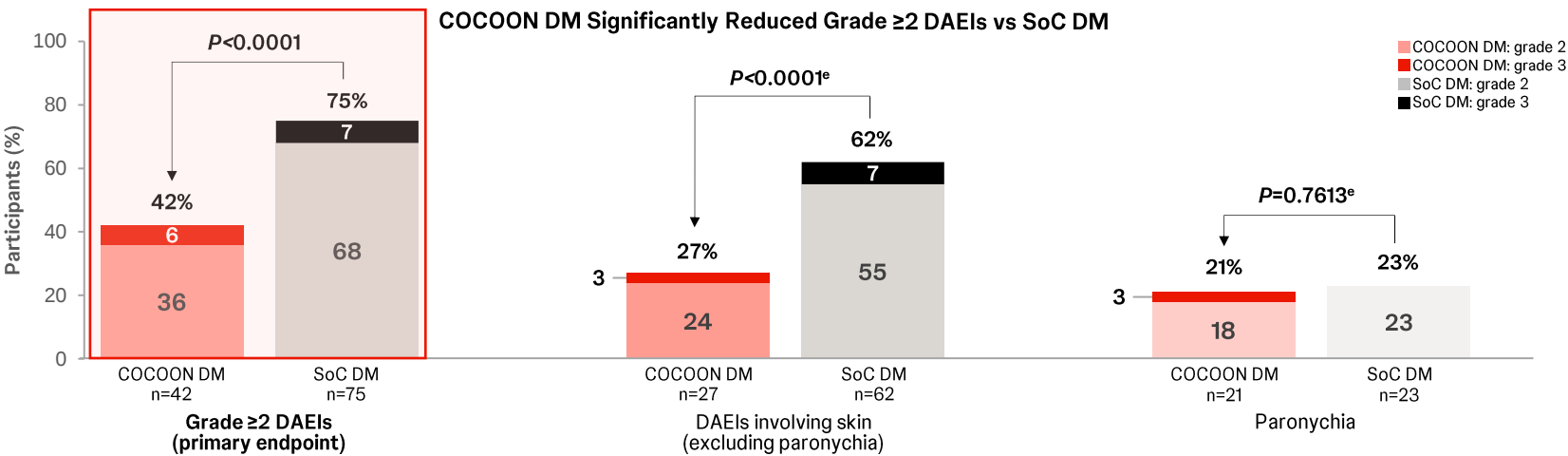
#### Primary Endpoint:

- Incidence of grade ≥2 dermatologic AEs in the first 12 weeks after initiation of amivantamab + lazertinib treatment

#### Secondary Endpoints:

- Number of grade ≥2 dermatologic AEs per participant
- Incidence and severity of paronychia
- Incidence and severity of scalp rash
- Frequency of dose reductions, interruptions, and discontinuations due to AEs
- Patient-reported outcomes by Skindex-16 and PGI-S

### COCOON DM Enhanced Dermatologic Regimen Resulted in ~44% Reduction in Incidence of Grade ≥2 DAEIs in the First 12 Weeks<sup>4,5</sup>



### The Prophylactic Regimen Significantly Reduced the Incidence of Grade ≥2 DAEIs on the Scalp, Face, and Other Body Locations; Discontinuations and Modifications of COCOON DM Components Were Rare<sup>4,5</sup>

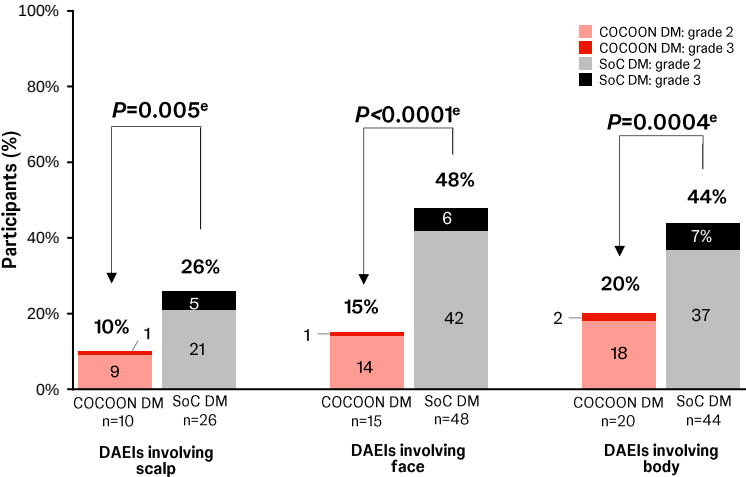


In the first 12 weeks, a significant reduction of grade ≥2 DAEI (excluding paronychia) incidence was consistent across anatomic locations



The safety profile of amivantamab + lazertinib was consistent with previous studies, and no new safety signals were observed

#### Incidence of Grade ≥2 Dermatologic AEs by Body Location



Except for significantly fewer grade ≥2 DAEIs with COCOON DM, the safety profile was comparable between arms:

|                          | COCOON DM (n=99) | SoC DM (n=100) |
|--------------------------|------------------|----------------|
| Conjunctivitis           | 7%               | 10%            |
| URTI                     | 7%               | 7%             |
| Increased ALT (Grade ≥3) | 8%               | 5%             |
| Increased AST (Grade ≥3) | 2%               | 1%             |
| VTE <sup>g</sup>         | 13%              | 13%            |

- Discontinuations and dose modifications of the COCOON DM components due to related AEs were rare, with interruptions, reductions, and discontinuations occurring in 8%, 3%, and 1% of participants, respectively
- Dose interruptions due to DAEIs was less frequent with COCOON DM versus SoC DM in the first 12 weeks (10% vs 23%) and throughout the study duration (22% vs 33%)



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Modified COCOON Prophylactic Approach



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AE, adverse event ALT, alanine aminotransferase; AST, aspartate aminotransferase; BID, twice daily; CI, confidence interval; DAEI, dermatologic adverse event of interest; DM, dermatologic management; ECOG PS, Eastern Cooperative Oncology Group performance status; EGFR, epidermal growth factor receptor; IV, intravenous; NSCLC, non-small cell lung cancer; PGI-S, Patient Global Impression of Severity; PRO, patient-reported outcome; QD, once daily; SoC, standard of care; URTI, upper respiratory tract infection; VTE, venous thromboembolism.

<sup>a</sup>All analyses were performed using the safety analysis set; <sup>b</sup>Both study arms received general skin prophylaxis instructions including avoiding exposure to sunlight, wearing protective clothing (including a hat and sunglasses), using SPF ≥30 sunscreen, and avoiding alcohol-based topical agents; <sup>c</sup>Prophylactic antibiotics: oral doxycycline or minocycline 100 mg BID; topical clindamycin lotion 1% on scalp QD before bedtime. Paronychia prophylaxis: chlorhexidine 4% on the fingernails and toenails QD. Skin moisturization: La Roche Posay Lipikar AP+M moisturizer on the body and face at least QD; <sup>d</sup>Included general skin prophylaxis per local practice and reactive treatment (ie, topical corticosteroids and systemic antibiotics); <sup>e</sup>These endpoints were not adjusted for multiple comparisons. Therefore, the P values displayed are nominal, and statistical significance has not been established; <sup>f</sup>Interruptions of COCOON DM components due to related AEs were reported by 7 (7%) participants for doxycycline and/or minocycline and by 1 (1%) participant for clindamycin; <sup>g</sup>The incidence of AEs related to per-protocol VTE prophylaxis was low (grade ≥3 bleeding was 1% during the first 4 months of treatment).

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Incidence



First Onset



## Incidence (n=421)<sup>1-3</sup>



**Participant population:** Adult participants with locally advanced or metastatic NSCLC and documented *EGFR* exon 19 deletion or exon 21 L858R mutations

**Median treatment duration:**  
27.0 months (range, 0.2–47.2)<sup>1</sup>

**Median time to<sup>3,a</sup>:**

| Most common dermatologic AEs, % | All | Grade 3 or 4 |
|---------------------------------|-----|--------------|
| Paronychia                      | 69  | 12           |
| Rash                            | 64  | 17           |
| Dermatitis acneiform            | 30  | 9            |
| Pruritus                        | 25  | <1           |
| Dry skin                        | 17  | <1           |

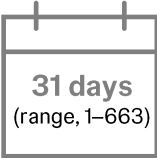
Rash led to the following dose modifications of amivantamab in participants<sup>2</sup>:

- Interruptions in **37%**
- Reductions in **23%**
- Discontinuations in **5%**

Onset of rash



Duration of rash

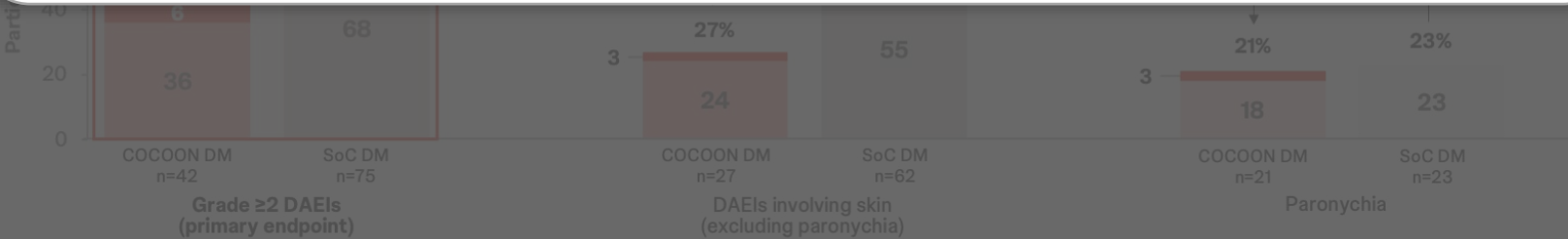


Note: Additional warnings and precautions associated with amivantamab and lazertinib include IRR, ILD/pneumonitis, VTE events, ocular toxicity, and embryo-fetal toxicity

AE, adverse event; EGFR, epidermal growth factor receptor; ILD, interstitial lung disease; IRR, infusion-related reaction; NSCLC, non-small cell lung cancer; VTE, venous thromboembolism.

<sup>a</sup>Median duration of treatment 18.5 months (range, 0.2–31.4).

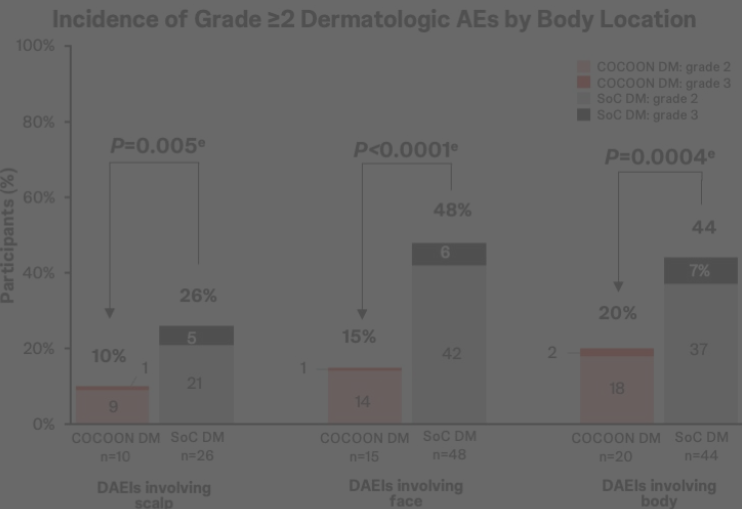
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Incidence



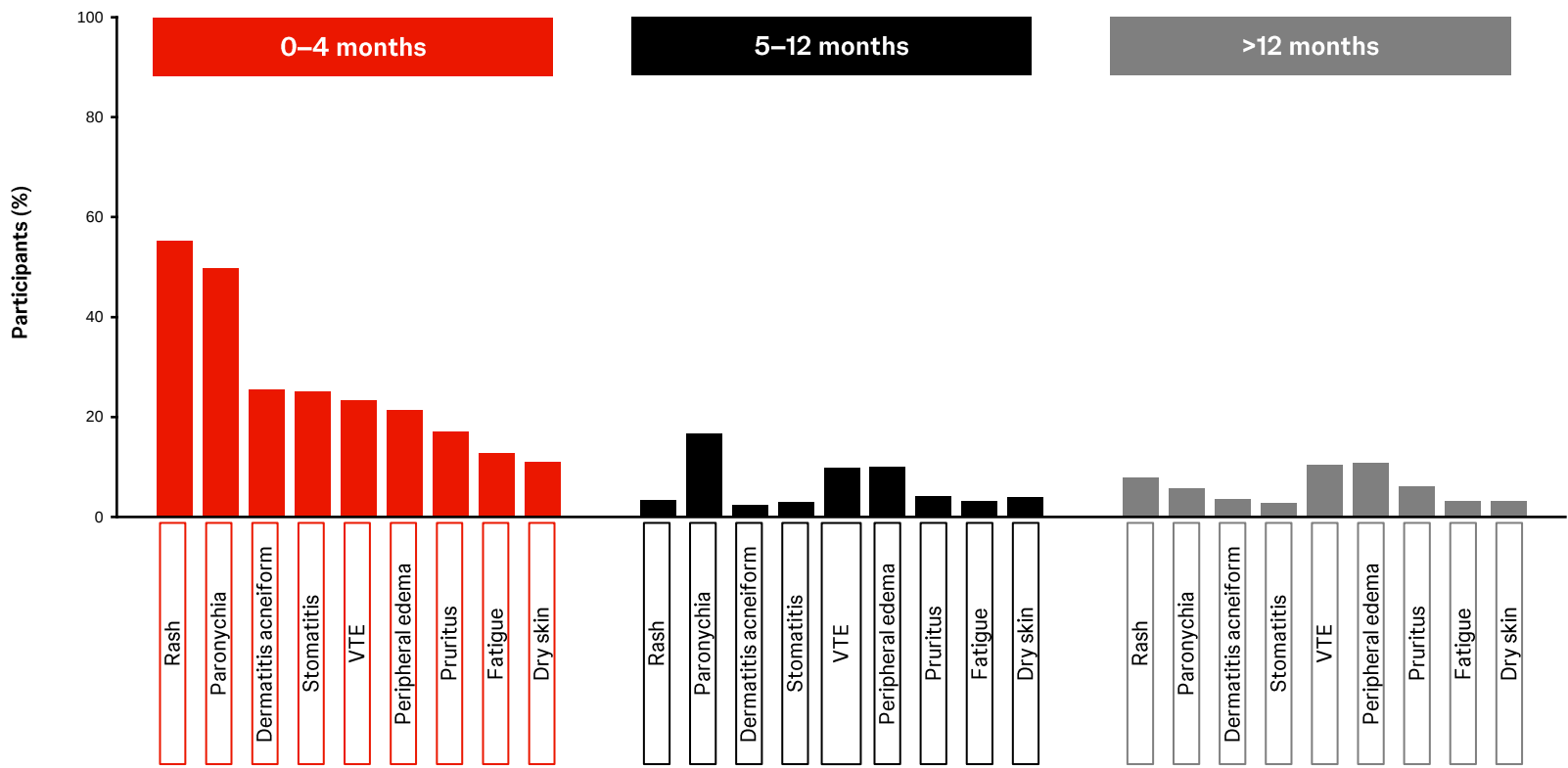
First Onset



## First Onset of Key AEs for Amivantamab + Lazertinib<sup>1</sup>



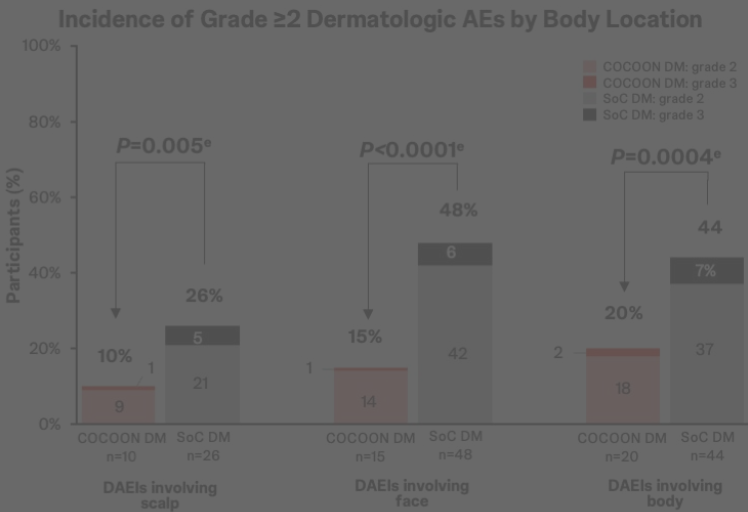
Most AEs occurred early (within 0–4 months), with longer-term follow-up showing no new safety signals



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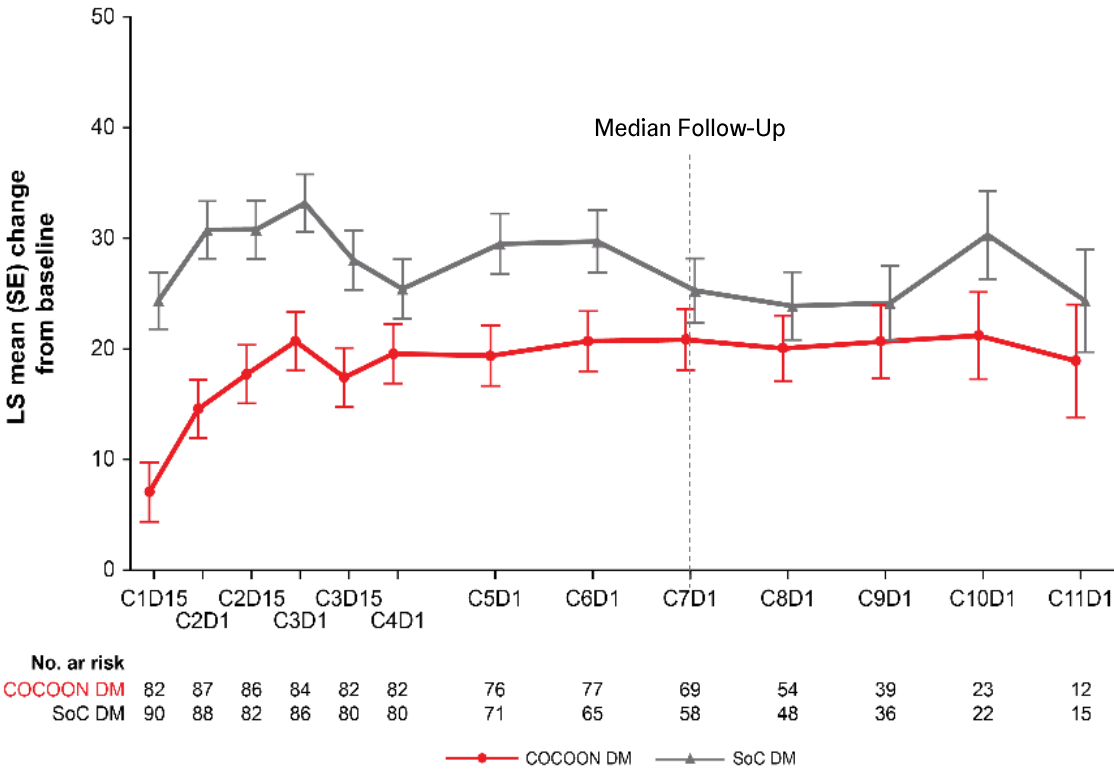
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Rationale: Dermatologic AEs Observed With Amivantamab + Lazertinib in MARIPOSA<sup>1-3</sup>

Patient-reported Outcomes Favored COCOON DM Versus SoC DM<sup>1</sup>



Skindex-16 Total Score



Early separation in the least squares mean change from baseline<sup>a</sup> in the Skindex-16 total score favored COCOON DM versus SoC DM.

Separation was maintained up to the median follow-up, even after prophylactic antibiotics were stopped (per protocol) in the COCOON DM arm.



The **Skindex-16** questionnaire provides an average score (0 [no impact] to 100 [impact experienced all the time]). A lower Skindex-16 score corresponds with better QoL. A 10-point change in total score is considered clinically meaningful.



Among participants with locally advanced or metastatic **cEGFR**-mutant NSCLC, the prophylactic COCOON DM regimen reduced the severity of dermatologic AEs and the impact of those AEs on QoL compared to SoC DM

<sup>a</sup>Baseline in the graph corresponds to Cycle 1, Day 1, with values of 0 for COCOON DM and SoC DM.  
AE, adverse event; C, cycle; D, day; DM, dermatologic management; EGFR, epidermal growth factor receptor; NSCLC, non-small cell lung cancer; PGI-S, Patient Global Impression of Severity; PRO, patient-reported outcome; QoL, quality of life; SE, standard error; SoC, standard of care.  
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Incidence of Grade ≥2 Dermatologic AEs by Body Location



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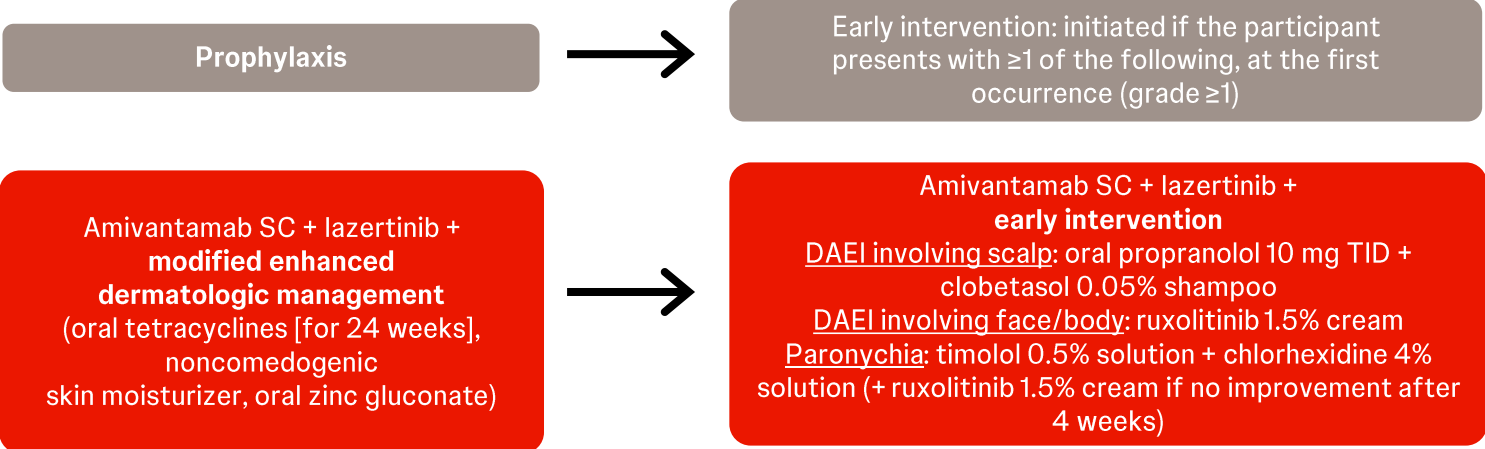


Amivantamab Subcutaneous Expansion Cohort With Modified Enhanced Dermatologic Management and Early Intervention<sup>1</sup>

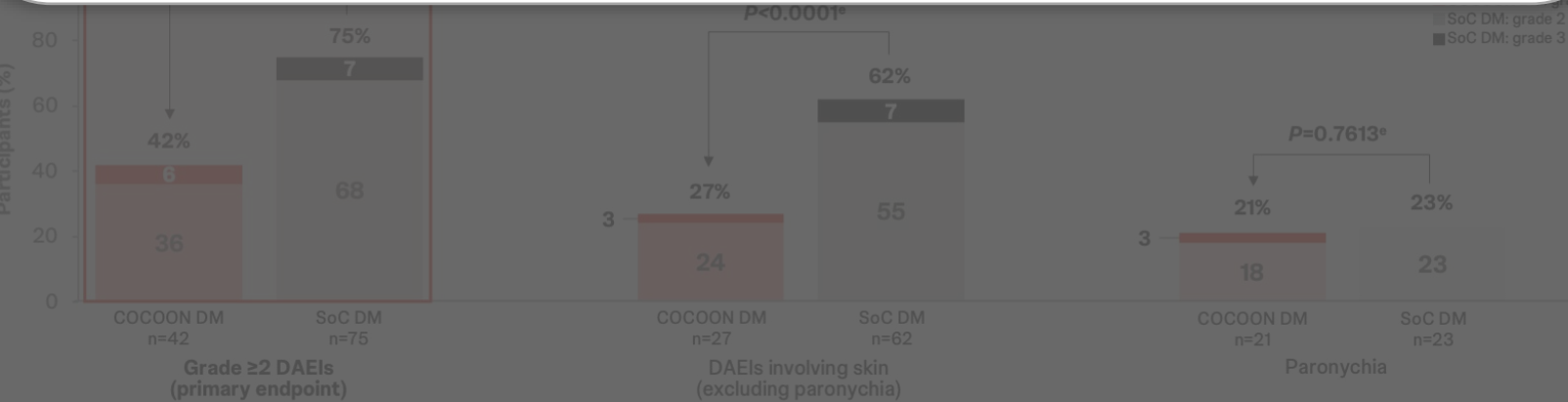


Background anticancer treatment (28-day cycles):

- Lazertinib 240 mg PO QD
- Amivantamab SC<sup>a</sup> C1: 1600 mg/2240 mg<sup>b</sup> QW, C2+: 3520 mg/4640 mg<sup>b</sup> Q4W

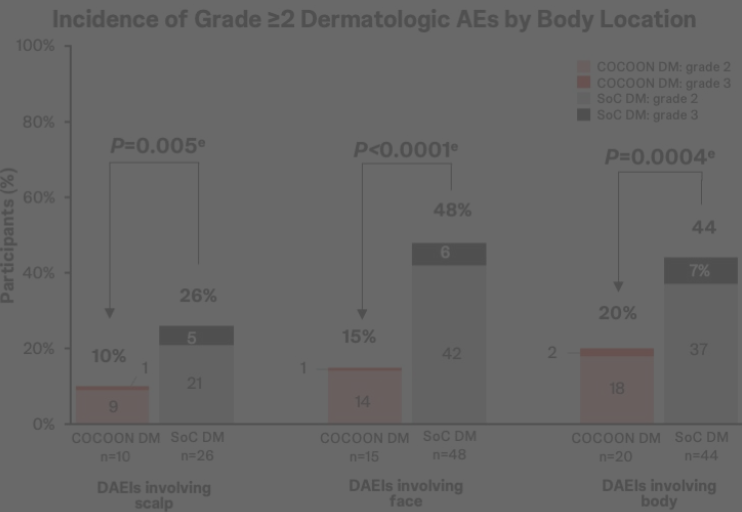


<sup>a</sup>Weight-based dosing: <80 kg/≥80 kg. <sup>b</sup>Cycle 1: Days 1, 8, 15, 22; Cycles 2+: Day 1 Q4W. C, cycle; DAEI, dermatologic adverse event of interest; PO, orally; QD, once daily; QW, weekly; Q4W, every 4 weeks; SC, subcutaneous; TID, three time per day. 1. Cho BC, et al. *J Thoracic Oncol*. 2025; epub ahead of print.



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