

First-line subcutaneous amivantamab plus lazertinib in *EGFR*-mutated advanced NSCLC: Updated results from the PALOMA-2 study

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Key Takeaway



1L treatment of *EGFR*-mutated advanced NSCLC with SC amivantamab + lazertinib continues to demonstrate clinically meaningful and durable antitumor efficacy

Conclusions



Participants who received 1L SC amivantamab + lazertinib demonstrated long-term durable outcomes, with a median PFS of 26.1 months



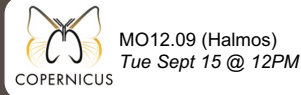
Median OS was not reached and 70% of participants were alive at 3 years, which compares favorably with MARIPOSA, where 1L IV amivantamab + lazertinib demonstrated a clinically meaningful OS benefit versus osimertinib, with 60% of participants alive at 3 years¹



The safety profile of SC amivantamab + lazertinib was generally consistent with prior reports before prophylactic AE management,^{2–4} with no new safety signals identified



SC administration, along with prophylactic AE management, can further improve the overall treatment experience and allow patients to remain on treatment longer



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Disclosures

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Background

- Amivantamab, an epidermal growth factor receptor (EGFR)–MET bispecific antibody, is approved for intravenous (IV) and subcutaneous (SC; co-formulated with recombinant human hyaluronidase PH20) administration for the treatment of multiple indications in *EGFR*-mutated advanced non-small cell lung cancer (NSCLC)^{5,6}
- With a median follow-up of 37.8 months in MARIPOSA, first-line (1L) IV amivantamab + lazertinib demonstrated a clinically meaningful and statistically significant overall survival (OS) benefit versus osimertinib (hazard ratio, 0.75; $P=0.005$) in the protocol-specified final OS analysis¹
 - 75% of participants were alive at 2 years, and 60% were alive at 3 years¹
- In PALOMA-3, SC amivantamab showed noninferior pharmacokinetics and efficacy, while substantially reducing infusion-related reactions (IRRs; 13% vs 66%) and administration time (≤5 minutes vs 2–5 hours) versus IV amivantamab after progression on/after osimertinib and chemotherapy²
- In the phase 2 PALOMA-2 study, 1L SC amivantamab + lazertinib previously showed a response rate and safety profile consistent with historical IV amivantamab + lazertinib, with improved tolerability^{3,4,7}
- Here, we present pooled, longer follow-up results from participants who received 1L SC amivantamab + lazertinib in PALOMA-2

Results

Baseline demographic and clinical characteristics

- In the overall pooled population (N=212; **Table 1**), 135 participants received amivantamab Q2W in Cohorts 1 and 6 and 77 participants received amivantamab Q4W in Cohort 5
- As of July 3, 2026, the median follow-up was 33.1 months (range, 2.4–41.9) and the median treatment duration was 25.8 months (range, 0.1–42.0)

Table 1: Baseline demographic and clinical characteristics

Characteristic, n (%)	Overall (N=212)
Median (range) age, years	61 (28–85)
Female	136 (64)
Race	
Asian	139 (66)
White	64 (30)
Black or African American	7 (3)
Other ^a	2 (1)
ECOG PS score of 1	149 (70)
History of smoking	59 (28)
History of brain metastases	75 (35)
EGFR mutation type^b	
Ex19del	129 (61)
L858R	84 (40)
Adenocarcinoma histology	
	208 (98)

Note: Percentages may not sum to 100% due to rounding.
^aOther included Native Hawaiian or other Pacific Islander (n=1) and multiple (n=1).
^bOne participant had both an Ex19del and L858R substitution.
ECOG PS, Eastern Cooperative Oncology Group performance status; EGFR, epidermal growth factor receptor; Ex19del, exon 19 deletion; L858R, exon 21 L858R substitution.

Efficacy

- In the overall pooled population, independent central review–assessed objective response rate was 90%, with a complete response rate of 9% (**Table 2**)

Table 2: ICR-assessed response

ICR-assessed response	Overall (N=212)
ORR	90% (95% CI, 85–94)
Best response,^a n (%)	
CR	20 (9)
PR	171 (81)
SD ^b	15 (7)
PD	2 (1)
NE/UNK	4 (2)

^aPercentages may not sum to 100% due to rounding.
^bIncludes non-CR/non-PD in participants with nontarget lesions at baseline.
CI, confidence interval; CR, complete response; ICR, independent central review; NE, not evaluable; ORR, objective response rate; PD, progressive disease; PR, partial response; SD, stable disease; UNK, unknown.

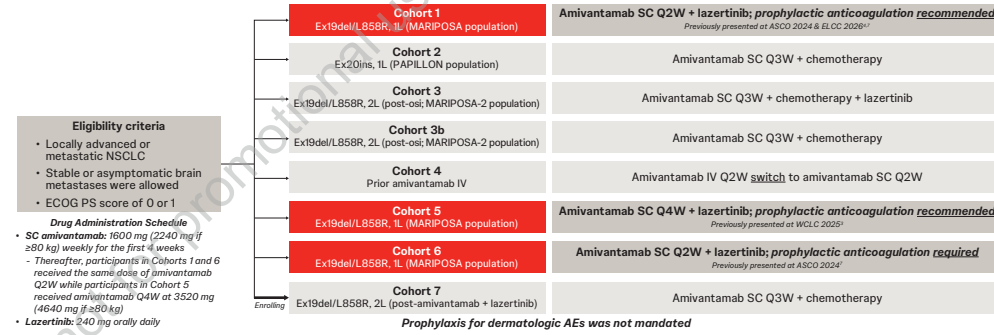
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Methods

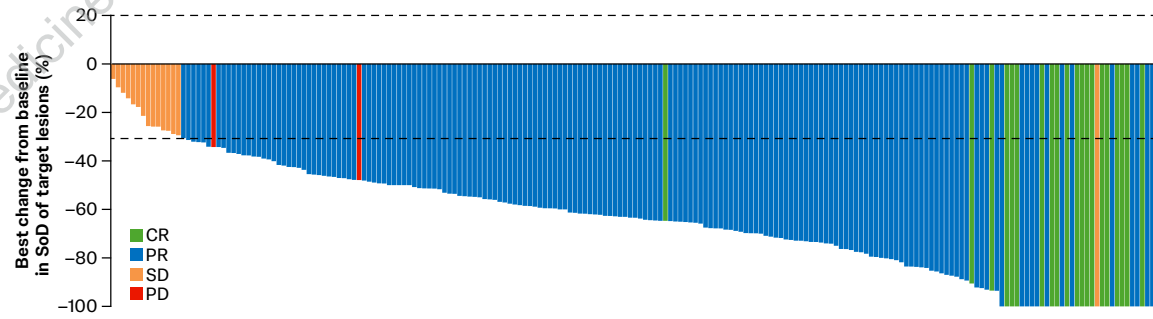
- PALOMA-2 (ClinicalTrials.gov identifier: NCT05498428) Cohorts 1, 5, and 6 enrolled participants with previously untreated *EGFR*-mutated (exon 19 deletion/exon 21 L858R substitution) advanced NSCLC (**Figure 1**)
- Amivantamab was co-formulated with recombinant human hyaluronidase PH20 for SC administration
- A post-hoc indirect treatment comparison (ITC) was conducted for PALOMA-2 and MARIPOSA using inverse probability of treatment weighting average treatment effect to balance baseline characteristics across study populations and estimate comparative treatment outcomes

Figure 1: PALOMA-2 study design



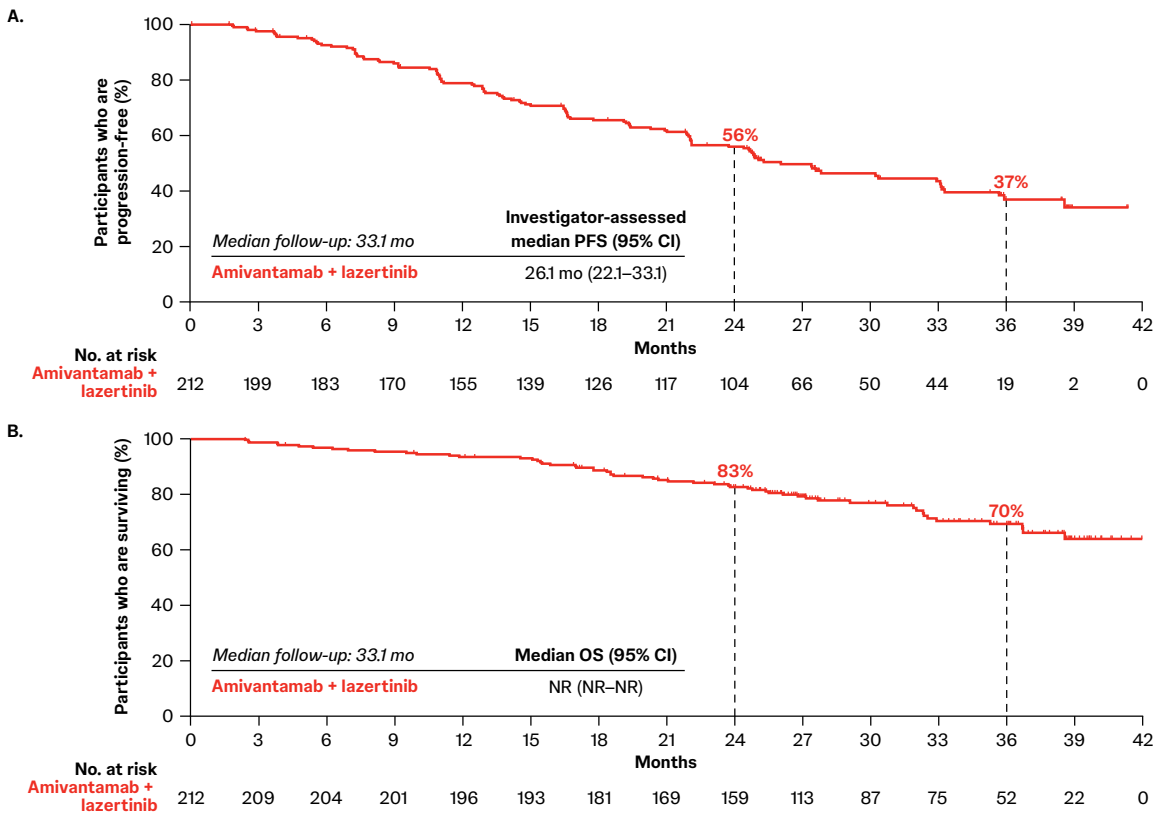
PALOMA-2 (ClinicalTrials.gov identifier: NCT05498428). Clinical cut-off: July 3, 2026.
1L, first-line; 2L, second-line; AE, adverse event; ASCO, American Society of Clinical Oncology; ECOG PS, Eastern Cooperative Oncology Group performance status; ELCC, European Lung Cancer Congress; Ex19del, exon 19 deletion; Ex20ins, exon 20 insertion; IV, intravenous; L858R, exon 21 L858R substitution; NSCLC, non-small cell lung cancer; osi, osimertinib; Q2W, every 2 weeks; Q3W, every 3 weeks; Q4W, every 4 weeks; SC, subcutaneous; WCLC, World Conference on Lung Cancer.

Figure 2: Best response (n=208)^a



^aParticipants without a postbaseline tumor assessment were excluded.
CR, complete response; PD, progressive disease; PR, partial response; SD, stable disease; SoD, sum of diameters.

Figure 3: (A) PFS and (B) OS



CI, confidence interval; NR, not reached; OS, overall survival; PFS, progression-free survival.

