

# The CHRYSALIS Study

A large, multicohort, phase I study evaluating amivantamab treatment in patients with non-small-cell lung cancer (NSCLC) with epidermal growth factor receptor (EGFR) or mesenchymal epithelial transition (MET) mutations. The results from the group of patients with EGFR exon 20 insertion mutations (ex20ins) are described here.

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## Amivantamab



Amivantamab is an antibody, infused into a vein, that blocks the activity of EGFR and the mesenchymal epithelial transition (MET) receptor and kills tumor cells by stimulating the immune system

## Study objectives

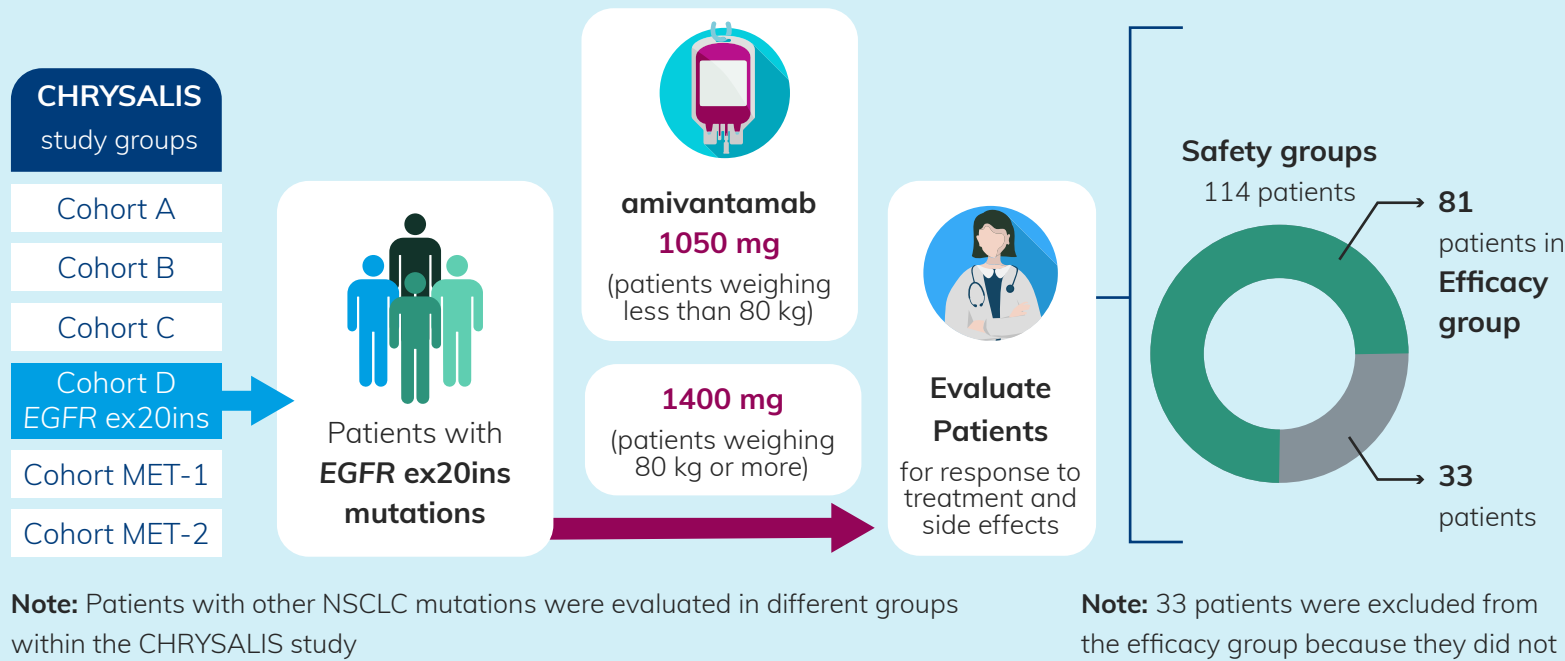


To evaluate the efficacy and safety of amivantamab in patients who have NSCLC with different types of EGFR and MET mutations



This summary focuses on the results from patients with NSCLC with EGFR ex20ins mutations whose disease worsened after being treated with chemotherapy

## CHRYSALIS study design: patients with ex20ins mutations



## Participants in the CHRYSALIS study

### Participating countries:



United States



South Korea



Japan

### Characteristics of efficacy group (81 participants)



**Female**  
**59%**

Over half the participants were female



**Median age, years**  
**62**  
Range (42-84)

Ages of the participants ranged from 42-84 years



**Smoking history**  
**No** 53% **Yes** 47%

Over half the participants had no history of smoking



**Race**  
Asian 49%  
White 37%  
Black 3%  
Chose not to disclose 11%

Almost half the participants were Asian

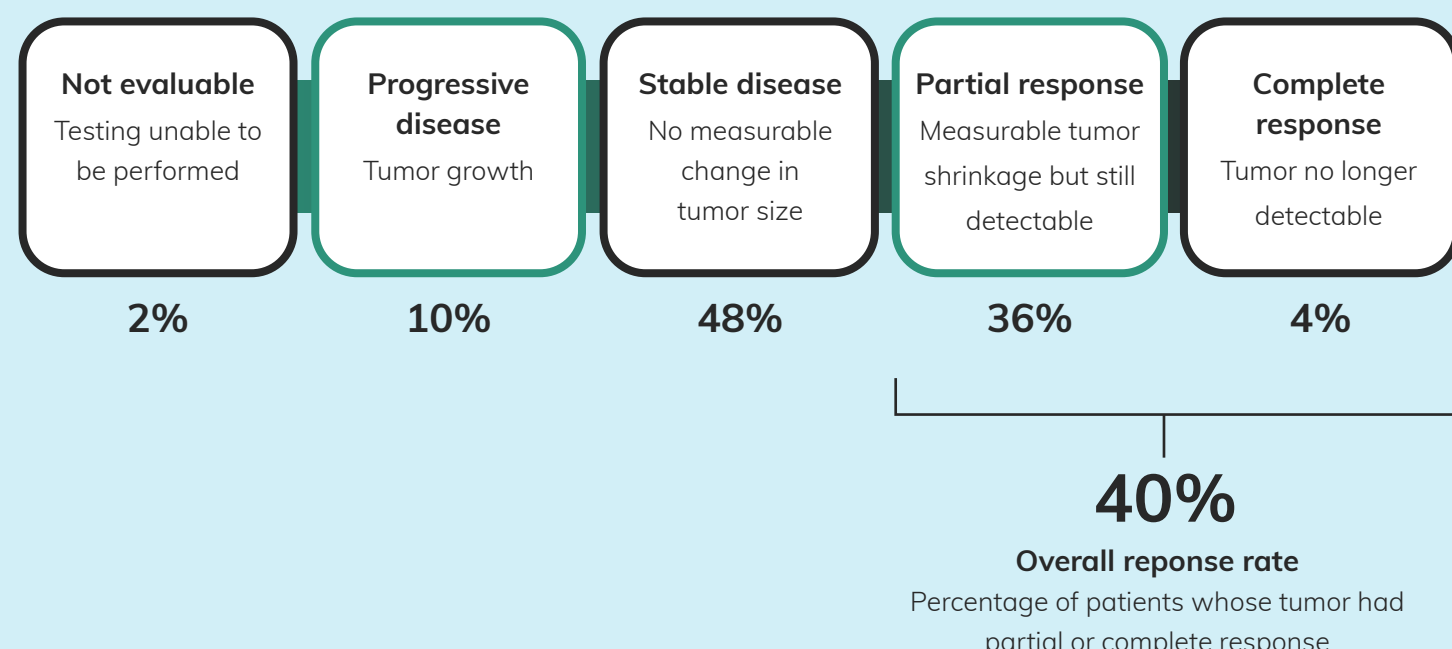
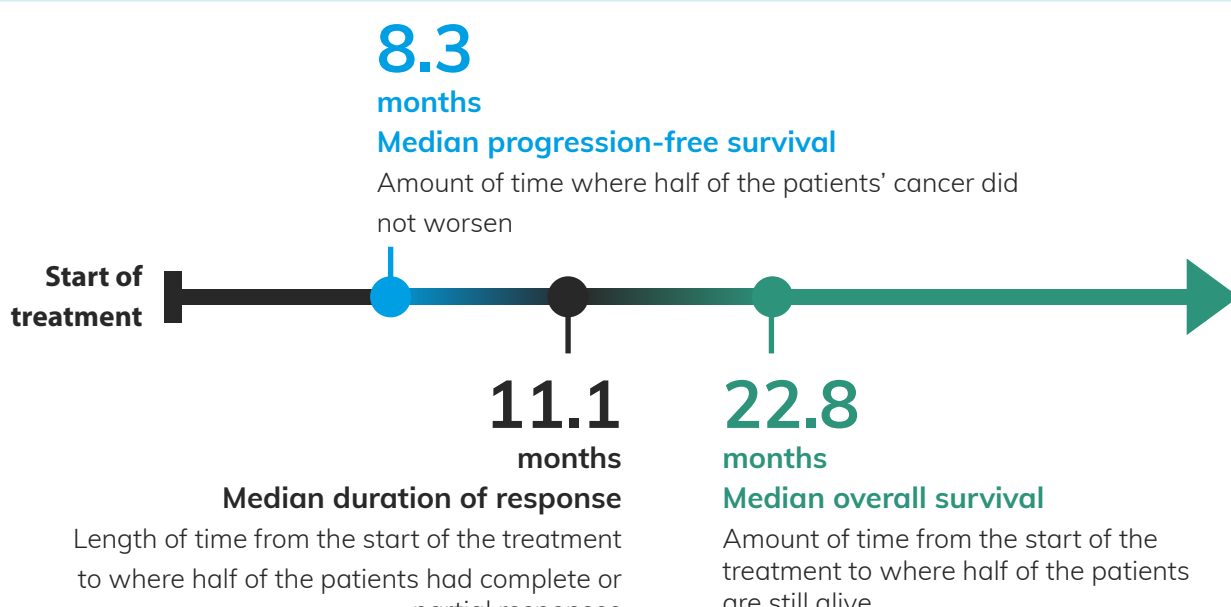
**Note:** The median is the middle value of a set of numbers.



Amivantamab is a treatment for patients with EGFR exon 20 insertion-mutated NSCLC

## CHRYSALIS study outcomes

### Efficacy group (81 participants)



- Most side effects experienced during treatment with amivantamab were mild and tolerable and could be managed with education and dose changes
- A majority of patients who experienced side effects were able to continue treatment
- Some patients required dose reductions or treatment discontinuation for side effects requiring hospitalization, medical intervention, or for those that interfered with daily activities that did not improve

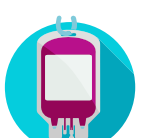
## CHRYSALIS study side effects

### Most common side effects included:



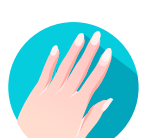
**Rash**

**86%**  
of patients  
Severe reactions (4%)



**Infusion-related reactions (IRR)**

**66%**  
of patients  
Severe reactions (3%)



**Nail infections**

**45%**  
of patients  
Severe reactions (1%)

### Dose management



**Dose reduced**

**13%**  
Patients who had their dose reduced due to a treatment-related side effect



**Stopped amivantamab**

**4%**  
Patients who permanently discontinued amivantamab due to a treatment-related side effect

This infographic was based on an article published in the *Journal of Clinical Oncology* titled "Amivantamab in EGFR Exon 20 Insertion-Mutated Non-Small-Cell Lung Cancer Progressing on Platinum Chemotherapy: Initial Results from the CHRYSALIS Phase I Study. You can read the article for free here: <https://ascopubs.org/doi/full/10.1200/JCO.21.00662>

For more information on the CHRYSALIS study, please see the plain language summary and full manuscript. Read the full Plain Language Summary of Publication article for free here: <https://www.futuremedicine.com/doi/10.2217/FON-2023-0284>

And as always, if patients have questions about their disease or treatment, they should consult with their physician.