



Clinical trial results:

A Phase 1b/3 Multicenter, Randomized Trial of Talimogene Laherparepvec in Combination With Pembrolizumab for the Treatment of Subjects with Recurrent or Metastatic Squamous Cell Carcinoma of the Head and Neck

Summary

| | |
|--------------------------|-------------------------|
| EudraCT number | 2015-003011-38 |
| Trial protocol | GB AT ES GR DE PT FR PL |
| Global end of trial date | 28 August 2020 |

Results information

| | |
|--------------------------------|-------------------|
| Result version number | v1 (current) |
| This version publication date | 02 September 2021 |
| First version publication date | 02 September 2021 |

Trial information

Trial identification

| | |
|-----------------------|----------|
| Sponsor protocol code | 20130232 |
|-----------------------|----------|

Additional study identifiers

| | |
|------------------------------------|---|
| ISRCTN number | - |
| ClinicalTrials.gov id (NCT number) | NCT02626000 |
| WHO universal trial number (UTN) | - |
| Other trial identifiers | Merck Study ID: KEYNOTE-137, Acronym: MASTERKEY-232 |

Notes:

Sponsors

| | |
|------------------------------|---|
| Sponsor organisation name | Amgen Inc. |
| Sponsor organisation address | One Amgen Center Drive, Thousand Oaks, CA, United States, 91320 |
| Public contact | IHQ Medical Info-Clinical Trials, Amgen (EUROPE) GmbH, MedInfoInternational@amgen.com |
| Scientific contact | IHQ Medical Info-Clinical Trials, Amgen (EUROPE) GmbH, MedInfoInternational@amgen.com |

Notes:

Paediatric regulatory details

| | |
|--|----|
| Is trial part of an agreed paediatric investigation plan (PIP) | No |
| Does article 45 of REGULATION (EC) No 1901/2006 apply to this trial? | No |
| Does article 46 of REGULATION (EC) No 1901/2006 apply to this trial? | No |

Notes:

Results analysis stage

| | |
|--|----------------|
| Analysis stage | Final |
| Date of interim/final analysis | 28 August 2020 |
| Is this the analysis of the primary completion data? | No |
| Global end of trial reached? | Yes |
| Global end of trial date | 28 August 2020 |
| Was the trial ended prematurely? | No |

Notes:

General information about the trial

Main objective of the trial:

The primary objective of this study was to evaluate the safety, as assessed by incidence of dose limiting toxicity (DLT), of talimogene laherparepvec in combination with pembrolizumab in adults with recurrent or metastatic squamous cell carcinoma of the head and neck (SCCHN).

Protection of trial subjects:

This study was conducted in accordance with International Council for Harmonisation (ICH) Good Clinical Practice (GCP) regulations/guidelines.

The study protocol and all amendments, the informed consent form, and any accompanying materials provided to the subjects were reviewed and approved by an Institutional Review Board (IRB) or Independent Ethics Committee (IEC) at each study center.

The investigator or his/her designee informed the subject of all aspects pertaining to the subject's participation in the study before any screening procedures were performed.

Background therapy: -

Evidence for comparator: -

| | |
|---|------------------|
| Actual start date of recruitment | 06 April 2016 |
| Long term follow-up planned | Yes |
| Long term follow-up rationale | Safety, Efficacy |
| Long term follow-up duration | 36 Months |
| Independent data monitoring committee (IDMC) involvement? | Yes |

Notes:

Population of trial subjects

Subjects enrolled per country

| | |
|--------------------------------------|--------------------|
| Country: Number of subjects enrolled | Austria: 1 |
| Country: Number of subjects enrolled | France: 1 |
| Country: Number of subjects enrolled | Greece: 1 |
| Country: Number of subjects enrolled | Italy: 1 |
| Country: Number of subjects enrolled | Spain: 4 |
| Country: Number of subjects enrolled | Switzerland: 10 |
| Country: Number of subjects enrolled | United Kingdom: 10 |
| Country: Number of subjects enrolled | Canada: 2 |
| Country: Number of subjects enrolled | United States: 4 |
| Country: Number of subjects enrolled | Australia: 2 |
| Worldwide total number of subjects | 36 |
| EEA total number of subjects | 8 |

Notes:

| Subjects enrolled per age group | |
|---|----|
| In utero | 0 |
| Preterm newborn - gestational age < 37 wk | 0 |
| Newborns (0-27 days) | 0 |
| Infants and toddlers (28 days-23 months) | 0 |
| Children (2-11 years) | 0 |
| Adolescents (12-17 years) | 0 |
| Adults (18-64 years) | 21 |
| From 65 to 84 years | 15 |
| 85 years and over | 0 |

Subject disposition

Recruitment

Recruitment details:

This study was conducted at 19 centers in Australia, Canada, Europe, and the United States. This study was designed to be conducted in 2 parts (phase 1b and phase 3). A decision was made not to initiate the phase 3 part of the study.

Pre-assignment

Screening details:

From April 2016 to August 2017, 36 patients with histologically confirmed diagnosis of metastatic or recurrent SCCHN were enrolled into this study. The first 16 patients were dose-limiting toxicity (DLT) evaluable and constituted the DLT analysis set. Twenty additional patients were enrolled to further evaluate safety and estimate efficacy.

Period 1

| | |
|------------------------------|--------------------------------|
| Period 1 title | Overall Study (overall period) |
| Is this the baseline period? | Yes |
| Allocation method | Not applicable |
| Blinding used | Not blinded |

Arms

| | |
|-----------|--|
| Arm title | Talimogene Laherparepvec + Pembrolizumab |
|-----------|--|

Arm description:

Talimogene laherparepvec was administered by intralesional injection into injectable cutaneous, subcutaneous, and nodal lesions at an initial dose of 10 plaque-forming units (PFU) per mL on day 1 followed by a dose of 10⁸ PFU/mL every 3 weeks (Q3W) thereafter. Pembrolizumab was administered by intravenous infusion at a dose of 200 mg Q3W. Participants were treated until complete response, no injectable lesions, confirmed disease progression, intolerance of study treatment, 24 months from the date of the first dose of talimogene laherparepvec, or end of study, whichever occurred first.

| | |
|--|--------------------------|
| Arm type | Experimental |
| Investigational medicinal product name | Talimogene laherparepvec |
| Investigational medicinal product code | |
| Other name | IMLYGIC® |
| Pharmaceutical forms | Solution for injection |
| Routes of administration | Intralesional use |

Dosage and administration details:

The initial dose of talimogene laherparepvec was up to 8.0 mL of 10 PFU/mL. Subsequent doses of talimogene laherparepvec were up to 8.0 mL of 10⁸ PFU/mL.

| | |
|--|-----------------------|
| Investigational medicinal product name | Pembrolizumab |
| Investigational medicinal product code | |
| Other name | KEYTRUDA® |
| Pharmaceutical forms | Solution for infusion |
| Routes of administration | Intravenous use |

Dosage and administration details:

Administered as a 30-minute intravenous infusion at a dose of 200 mg Q3W

| Number of subjects in period 1 | Talimogene Laherparepvec + Pembrolizumab |
|---------------------------------------|--|
| Started | 36 |
| Completed | 6 |
| Not completed | 30 |
| Adverse event, serious fatal | 29 |
| Decision by Sponsor | 1 |

Baseline characteristics

Reporting groups

| | |
|-----------------------|--|
| Reporting group title | Talimogene Laherparepvec + Pembrolizumab |
|-----------------------|--|

Reporting group description:

Talimogene laherparepvec was administered by intralesional injection into injectable cutaneous, subcutaneous, and nodal lesions at an initial dose of 10 plaque-forming units (PFU) per mL on day 1 followed by a dose of 10⁸ PFU/mL every 3 weeks (Q3W) thereafter. Pembrolizumab was administered by intravenous infusion at a dose of 200 mg Q3W. Participants were treated until complete response, no injectable lesions, confirmed disease progression, intolerance of study treatment, 24 months from the date of the first dose of talimogene laherparepvec, or end of study, whichever occurred first.

| Reporting group values | Talimogene Laherparepvec + Pembrolizumab | Total | |
|--|--|-------|--|
| Number of subjects | 36 | 36 | |
| Age Categorical | | | |
| Units: participants | | | |
| < 65 years | 21 | 21 | |
| ≥ 65 years | 15 | 15 | |
| Age Continuous | | | |
| Units: years | | | |
| arithmetic mean | 60.8 | | |
| standard deviation | ± 10.8 | - | |
| Sex: Female, Male | | | |
| Units: participants | | | |
| Female | 7 | 7 | |
| Male | 29 | 29 | |
| Race/Ethnicity, Customized | | | |
| Units: Subjects | | | |
| American Indian or Alaska Native | 0 | 0 | |
| Asian | 1 | 1 | |
| Black (or African American) | 1 | 1 | |
| Native Hawaiian or Other Pacific Islander | 0 | 0 | |
| White | 33 | 33 | |
| Other | 1 | 1 | |
| Ethnicity (NIH/OMB) | | | |
| Units: Subjects | | | |
| Hispanic or Latino | 2 | 2 | |
| Not Hispanic or Latino | 34 | 34 | |
| Unknown or Not Reported | 0 | 0 | |
| Eastern Cooperative Oncology Group (ECOG) Performance Status | | | |
| A scale to assess a patient's disease status. 0 = Fully active, able to carry out all pre-disease performance without restriction; 1 = Restricted in physically strenuous activity, ambulatory and able to carry out work of a light nature; 2 = Ambulatory and capable of all self-care, unable to carry out any work activities. Up and about > 50% of waking hours; 3 = Capable of only limited self-care, confined to bed or chair > 50% of waking hours; 4 = Completely disabled, confined to bed or chair; 5 = Dead. | | | |
| Units: Subjects | | | |
| 0 (Fully active) | 9 | 9 | |
| 1 (Restricted but ambulatory) | 27 | 27 | |
| Herpes Simplex Virus Status | | | |

| | | | |
|--------------------|----|----|--|
| Units: Subjects | | | |
| Negative | 5 | 5 | |
| Positive | 22 | 22 | |
| Unknown | 9 | 9 | |
| Primary Tumor Site | | | |
| Units: Subjects | | | |
| Oropharynx | 9 | 9 | |
| Larynx | 4 | 4 | |
| Oral Cavity | 20 | 20 | |
| Hypopharynx | 3 | 3 | |

End points

End points reporting groups

| | |
|---|--|
| Reporting group title | Talimogene Laherparepvec + Pembrolizumab |
| Reporting group description: | |
| Talimogene laherparepvec was administered by intralesional injection into injectable cutaneous, subcutaneous, and nodal lesions at an initial dose of 10 plaque-forming units (PFU) per mL on day 1 followed by a dose of 10 ⁸ PFU/mL every 3 weeks (Q3W) thereafter. Pembrolizumab was administered by intravenous infusion at a dose of 200 mg Q3W. Participants were treated until complete response, no injectable lesions, confirmed disease progression, intolerance of study treatment, 24 months from the date of the first dose of talimogene laherparepvec, or end of study, whichever occurred first. | |

Primary: Number of Participants with a Dose Limiting Toxicity (DLT)

| | |
|--|---|
| End point title | Number of Participants with a Dose Limiting Toxicity (DLT) ^[1] |
| End point description: | |
| The following toxicities (graded per CTCAE 4.0) were considered DLTs if judged by the investigator as related to either study drug: | |
| -grade 4 non-hematologic toxicity; | |
| -≥ grade 3 pneumonitis; | |
| -grade 3 non-hematologic toxicity for >3 days with optimal supportive care (grade 3 fatigue of any duration was not a DLT); | |
| -any ≥ grade 3 non-hematologic laboratory value if medical intervention or hospitalization was required, or the abnormality persisted at ≥ grade 3 for >1 week unless deemed not clinically important by investigator and sponsor; | |
| -grade 3 or 4 febrile neutropenia; | |
| -thrombocytopenia < 25 x 10/L associated with bleeding event requiring intervention; | |
| -serious herpetic events; | |
| -death; | |
| -other intolerable toxicity leading to discontinuation of either study drug. | |
| The DLT analysis set included subjects who had the opportunity to be on treatment for >6 weeks and had received > 2 doses of both study drugs in combination, or who had a DLT after >1 dose of both study drugs in combination. | |
| End point type | Primary |
| End point timeframe: | |
| First 6 weeks after the initial administration of talimogene laherparepvec and pembrolizumab in combination | |
| Notes: | |
| [1] - No statistical analyses have been specified for this primary end point. It is expected there is at least one statistical analysis for each primary end point. | |
| Justification: This was a single arm study, no statistical comparisons were performed. | |

| | | | | |
|-----------------------------|--|--|--|--|
| End point values | Talimogene Laherparepvec + Pembrolizumab | | | |
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 16 | | | |
| Units: participants | 1 | | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Objective Response Rate

| | |
|-----------------|-------------------------|
| End point title | Objective Response Rate |
|-----------------|-------------------------|

End point description:

Objective response rate was defined as the percentage of participants with a best overall response of complete response (iCR) or partial response (iPR) assessed by the investigator using immune-related Response Evaluation Criteria in Solid Tumors (irRECIST). Response was assessed by computed tomography (CT) or magnetic resonance imaging (MRI).

iCR: Disappearance of all lesions (whether measurable or not and whether baseline or new). Any pathological lymph nodes (target or non-target) must have reduction in short axis to <10 mm.

iPR: Decrease in tumor burden \geq 30% relative to baseline.

Confirmation of response required a confirmatory scan at least 4 weeks after first indication of response.

The efficacy analysis set included enrolled participants who received at least 1 dose of talimogene laherparepvec or pembrolizumab, and excluded participants with locoregionally advanced disease with a recurrence < 3 months after prior platinum-containing curatively intended multimodal therapy.

| | |
|----------------|-----------|
| End point type | Secondary |
|----------------|-----------|

End point timeframe:

Up to the primary analysis data cutoff date of 02 November 2017; median (minimum, maximum) time on follow-up was 14.36 (1.4, 67.0) weeks.

| End point values | Talimogene Laherparepvec + Pembrolizumab | | | |
|-----------------------------------|---|--|--|--|
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 32 | | | |
| Units: percentage of participants | | | | |
| number (confidence interval 95%) | | | | |
| Confirmed Response | 9.4 (2.0 to 25.0) | | | |
| Unconfirmed Response | 15.6 (5.3 to 32.8) | | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Complete Response Rate

| | |
|-----------------|------------------------|
| End point title | Complete Response Rate |
|-----------------|------------------------|

End point description:

Complete response rate (iCRR) was defined as the percentage of participants with a best overall response of complete response assessed by the investigator using immune-related Response Evaluation Criteria in Solid Tumors (irRECIST). Response was based on the size of tumors assessed by computed tomography (CT) or magnetic resonance imaging (MRI).

Complete response (iCR): Disappearance of all lesions (whether measurable or not and whether baseline or new) and confirmation by a repeat, consecutive assessment no less than 4 weeks from the date first documented was required. Any pathological lymph nodes (whether target or non-target) must have reduction in short axis to <10 mm.

Analyses are presented below for both the unconfirmed and confirmed results conducted using for the efficacy analysis set.

| | |
|----------------|-----------|
| End point type | Secondary |
|----------------|-----------|

End point timeframe:

Up to the primary analysis data cutoff date of 02 November 2017; median (minimum, maximum) time on follow-up was 14.36 (1.4, 67.0) weeks.

| End point values | Talimogene Laherparepvec + Pembrolizumab | | | |
|-----------------------------------|---|--|--|--|
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 32 | | | |
| Units: percentage of participants | | | | |
| number (confidence interval 95%) | | | | |
| Confirmed Response | 0.0 (0.0 to 10.9) | | | |
| Unconfirmed Response | 0.0 (0.0 to 10.9) | | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Best Overall Confirmed Response

| | |
|---|---------------------------------|
| End point title | Best Overall Confirmed Response |
| End point description: | |
| Best overall response of iCR, iPR, stable disease (iSD), progressive disease (iPD) or unevaluable (iUE) based on investigator assessment per irRECIST. | |
| iCR: Disappearance of all lesions (whether measurable or not and whether baseline or new). Any pathological lymph nodes (target or non-target) reduced in short axis to <10 mm. | |
| iPR: Decrease in tumor size \geq 30% relative to baseline. | |
| iPD: Increase in tumor size \geq 20% and at least 5 mm increase compared to nadir or qualitative worsening of non-target lesions or a new lesion. | |
| iSD: Neither sufficient shrinkage to qualify for iCR or iPR nor sufficient increase to qualify for iPD. | |
| iUE: Any baseline lesion which was not assessed or was unable to be evaluated leading to an inability to determine the status of that particular tumor. | |
| Not Done: Radiographic imaging was not performed to evaluate response. | |
| iCR, iPR, and iPD required confirmation by a consecutive scan at least 4 weeks after first documentation. The efficacy analysis set was used. | |
| End point type | Secondary |
| End point timeframe: | |
| Up to the primary analysis data cutoff date of 02 November 2017; median (minimum, maximum) time on follow-up was 14.36 (1.4, 67.0) weeks. | |

| End point values | Talimogene Laherparepvec + Pembrolizumab | | | |
|-----------------------------|---|--|--|--|
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 32 | | | |
| Units: participants | | | | |
| Complete Response (iCR) | 0 | | | |
| Partial Response (iPR) | 3 | | | |
| Stable Disease (iSD) | 10 | | | |

| | | | | |
|---------------------------|---|--|--|--|
| Progressive Disease (iPD) | 4 | | | |
| Unevaluable (iUE) | 6 | | | |
| Not Done | 9 | | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Duration of Confirmed Response

| | |
|-----------------|--------------------------------|
| End point title | Duration of Confirmed Response |
|-----------------|--------------------------------|

End point description:

Duration of response (iDOR) per irRECIST was defined as the time from the date of an initial response of iCR or iPR that was subsequently confirmed to the earlier of a participant overall response of iPD or death. Participants who did not end their response at the time of analysis were censored at their last evaluable tumor assessment.

The analysis was conducted in the efficacy analysis set subjects with a best response of iCR or iPR. "99999" indicates values that could not be estimated.

| | |
|----------------|-----------|
| End point type | Secondary |
|----------------|-----------|

End point timeframe:

Up to the primary analysis data cutoff date of 02 November 2017; median (minimum, maximum) time on follow-up was 14.36 (1.4, 67.0) weeks.

| | | | | |
|----------------------------------|---|--|--|--|
| End point values | Talimogene Laherparepvec + Pembrolizumab | | | |
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 3 | | | |
| Units: months | | | | |
| median (confidence interval 95%) | 99999 (99999 to 99999) | | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Disease Control Rate

| | |
|-----------------|----------------------|
| End point title | Disease Control Rate |
|-----------------|----------------------|

End point description:

Disease control rate (iDCR) was defined as the percentage of participants with a best overall response of iCR or iPR or iSD assessed by the investigator using irRECIST.

Complete response (iCR): Disappearance of all lesions (whether measurable or not and whether baseline or new) and confirmation by a repeat, consecutive assessment no less than 4 weeks from the date first documented was required. Any pathological lymph nodes (whether target or non-target) must have reduction in short axis to <10 mm.

Partial response (iPR): Decrease in tumor burden $\geq 30\%$ relative to baseline. Confirmation by a consecutive assessment at least 4 weeks after first documentation required.

Stable disease (iSD): Neither sufficient shrinkage to qualify for iCR or iPR nor sufficient increase to qualify for iPD.

Analyses are presented below for both the unconfirmed and confirmed results.
The efficacy analysis set was used.

| | |
|----------------|-----------|
| End point type | Secondary |
|----------------|-----------|

End point timeframe:

Up to the primary analysis data cutoff date of 02 November 2017; median (minimum, maximum) time on follow-up was 14.36 (1.4, 67.0) weeks.

| | | | | |
|-----------------------------------|--|--|--|--|
| End point values | Talimogene Laherparepvec + Pembrolizumab | | | |
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 32 | | | |
| Units: percentage of participants | | | | |
| number (confidence interval 95%) | | | | |
| Confirmed Response | 40.6 (23.7 to 59.4) | | | |
| Unconfirmed Response | 40.6 (23.7 to 59.4) | | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Progression Free Survival

| | |
|-----------------|---------------------------|
| End point title | Progression Free Survival |
|-----------------|---------------------------|

End point description:

Progression-free survival (iPFS) per irRECIST was defined as the interval from first dose to the earlier of a participant overall response of iPD or death from any cause; otherwise, iPFS was censored at the last evaluable tumor assessment. The initial date of an iPD that was consecutively confirmed was used.
The efficacy analysis set was used.

| | |
|----------------|-----------|
| End point type | Secondary |
|----------------|-----------|

End point timeframe:

Up to the primary analysis data cutoff date of 02 November 2017; median (minimum, maximum) time on follow-up was 14.36 (1.4, 67.0) weeks.

| | | | | |
|----------------------------------|--|--|--|--|
| End point values | Talimogene Laherparepvec + Pembrolizumab | | | |
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 32 | | | |
| Units: months | | | | |
| median (confidence interval 95%) | 3.0 (2.0 to 6.2) | | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Overall Survival

| | |
|-----------------|------------------|
| End point title | Overall Survival |
|-----------------|------------------|

End point description:

Overall survival (OS) was defined as the interval from first dose to the event of death from any cause; otherwise, OS was censored at the date the participant was last known to be alive.

The efficacy analysis set was used.

| | |
|----------------|-----------|
| End point type | Secondary |
|----------------|-----------|

End point timeframe:

Up to the primary analysis data cutoff date of 02 November 2017; median (minimum, maximum) time on follow-up was 14.36 (1.4, 67.0) weeks.

| | | | | |
|----------------------------------|---|--|--|--|
| End point values | Talimogene Laherparepvec + Pembrolizumab | | | |
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 32 | | | |
| Units: months | | | | |
| median (confidence interval 95%) | 5.2 (2.1 to 11.4) | | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Number of Participants with Adverse Events

| | |
|-----------------|--|
| End point title | Number of Participants with Adverse Events |
|-----------------|--|

End point description:

The severity of adverse events was assessed by the investigator according to the Common Terminology Criteria for Adverse Events (CTCAE) version 4.0, and based on the following scale:

Grade 1 = mild,

Grade 2 = moderate,

Grade 3 = severe,

Grade 4 = life-threatening,

Grade 5 = death.

A serious adverse event is an AE that met at least 1 of the following serious criteria:

- fatal;
- life threatening;
- required in-patient hospitalization or prolongation of existing hospitalization;
- resulted in persistent or significant disability/incapacity;
- congenital anomaly/birth defect;
- other medically important serious event.

The analysis includes enrolled participants in phase 1b who received at least 1 dose of talimogene laherparepvec or pembrolizumab.

| | |
|----------------|-----------|
| End point type | Secondary |
|----------------|-----------|

End point timeframe:

From first dose of study drug to 30 days after last dose; the median (range) duration of treatment was 5.6 (0.1 to 75.3) weeks for talimogene laherparepvec and 6.1 (0.1, 105.3) weeks for pembrolizumab.

| End point values | Talimogene Laherparepvec + Pembrolizumab | | | |
|---|---|--|--|--|
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 36 | | | |
| Units: participants | | | | |
| All treatment-emergent adverse events | 36 | | | |
| Treatment-emergent adverse events grade ≥ 2 | 36 | | | |
| Treatment-emergent adverse events grade ≥ 3 | 26 | | | |
| Treatment-emergent adverse events grade ≥ 4 | 11 | | | |
| Serious adverse events | 26 | | | |
| AE leading to discontinuation of T-VEC | 6 | | | |
| AE leading to discontinuation of pembrolizumab | 6 | | | |
| Fatal adverse events | 7 | | | |
| Talimogene laherparepvec-related AEs | 21 | | | |
| Pembrolizumab-related AEs | 21 | | | |

Statistical analyses

No statistical analyses for this end point

Adverse events

Adverse events information

Timeframe for reporting adverse events:

From first dose of study drug to 30 days after last dose; the median (range) duration of treatment was 5.6 (0.1 to 75.3) weeks for talimogene laherparepvec and 6.1 (0.1, 105.3) weeks for pembrolizumab.

| | |
|-----------------|------------|
| Assessment type | Systematic |
|-----------------|------------|

Dictionary used

| | |
|-----------------|--------|
| Dictionary name | MedDRA |
|-----------------|--------|

| | |
|--------------------|------|
| Dictionary version | 23.0 |
|--------------------|------|

Reporting groups

| | |
|-----------------------|--|
| Reporting group title | Talimogene Laherparepvec + Pembrolizumab |
|-----------------------|--|

Reporting group description:

Talimogene laherparepvec was administered by intralesional injection into injectable cutaneous, subcutaneous, and nodal lesions at an initial dose of 10 plaque-forming units (PFU) per mL on day 1 followed by a dose of 10⁸ PFU/mL every 3 weeks (Q3W) thereafter. Pembrolizumab was administered by intravenous infusion at a dose of 200 mg Q3W.

Participants were treated until complete response, no injectable lesions, confirmed disease progression, intolerance of study treatment, 24 months from the date of the first dose of talimogene laherparepvec, or end of study, whichever occurred first.

| Serious adverse events | Talimogene Laherparepvec + Pembrolizumab | | |
|---|--|--|--|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 26 / 36 (72.22%) | | |
| number of deaths (all causes) | 29 | | |
| number of deaths resulting from adverse events | | | |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) | | | |
| Squamous cell carcinoma of head and neck | | | |
| subjects affected / exposed | 2 / 36 (5.56%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 2 | | |
| Tumour pain | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Tumour haemorrhage | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |

| | | | |
|--|----------------|--|--|
| Vascular disorders | | | |
| Arterial haemorrhage | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 2 / 2 | | |
| deaths causally related to treatment / all | 1 / 1 | | |
| Hypotension | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| General disorders and administration site conditions | | | |
| Chills | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| General physical health deterioration | | | |
| subjects affected / exposed | 2 / 36 (5.56%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Mucosal haemorrhage | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Pain | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Pyrexia | | | |
| subjects affected / exposed | 2 / 36 (5.56%) | | |
| occurrences causally related to treatment / all | 2 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Respiratory, thoracic and mediastinal disorders | | | |
| Dyspnoea | | | |

| | | | |
|---|----------------|--|--|
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Pneumonia aspiration | | | |
| subjects affected / exposed | 2 / 36 (5.56%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Respiratory arrest | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Stridor | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Psychiatric disorders | | | |
| Confusional state | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Delirium | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Injury, poisoning and procedural complications | | | |
| Infusion related reaction | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Toxicity to various agents | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |

| | | | |
|---|----------------|--|--|
| Tracheal obstruction | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Tracheostomy malfunction | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Nervous system disorders | | | |
| Cerebrovascular accident | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Somnolence | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Cerebral venous sinus thrombosis | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Gastrointestinal disorders | | | |
| Dysphagia | | | |
| subjects affected / exposed | 2 / 36 (5.56%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Odynophagia | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Hepatobiliary disorders | | | |
| Hepatitis | | | |

| | | | |
|---|----------------|--|--|
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Skin and subcutaneous tissue disorders | | | |
| Eczema | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Musculoskeletal and connective tissue disorders | | | |
| Back pain | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Musculoskeletal pain | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Intervertebral disc protrusion | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Musculoskeletal chest pain | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 1 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Infections and infestations | | | |
| Bronchitis | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 0 / 3 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Localised infection | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |

| | | | | |
|---|----------------|--|--|--|
| Pneumonia | | | | |
| subjects affected / exposed | 2 / 36 (5.56%) | | | |
| occurrences causally related to treatment / all | 0 / 3 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Respiratory tract infection | | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 1 | | | |
| Staphylococcal infection | | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Tracheitis | | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Wound infection | | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Lower respiratory tract infection | | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Sepsis | | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Wound infection bacterial | | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Metabolism and nutrition disorders | | | | |

| | | | |
|---|----------------|--|--|
| Decreased appetite | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Hypercalcaemia | | | |
| subjects affected / exposed | 2 / 36 (5.56%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Hypoglycaemia | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Euglycaemic diabetic ketoacidosis | | | |
| subjects affected / exposed | 1 / 36 (2.78%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |

Frequency threshold for reporting non-serious adverse events: 5 %

| Non-serious adverse events | Talimogene Laherparepvec + Pembrolizumab | | |
|---|--|--|--|
| Total subjects affected by non-serious adverse events | | | |
| subjects affected / exposed | 33 / 36 (91.67%) | | |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) | | | |
| Tumour pain | | | |
| subjects affected / exposed | 3 / 36 (8.33%) | | |
| occurrences (all) | 3 | | |
| General disorders and administration site conditions | | | |
| Asthenia | | | |
| subjects affected / exposed | 5 / 36 (13.89%) | | |
| occurrences (all) | 7 | | |
| Face oedema | | | |
| subjects affected / exposed | 2 / 36 (5.56%) | | |
| occurrences (all) | 2 | | |
| Fatigue | | | |

| | | | |
|---|------------------|--|--|
| subjects affected / exposed | 10 / 36 (27.78%) | | |
| occurrences (all) | 12 | | |
| Influenza like illness | | | |
| subjects affected / exposed | 5 / 36 (13.89%) | | |
| occurrences (all) | 16 | | |
| Injection site pain | | | |
| subjects affected / exposed | 3 / 36 (8.33%) | | |
| occurrences (all) | 4 | | |
| Pyrexia | | | |
| subjects affected / exposed | 12 / 36 (33.33%) | | |
| occurrences (all) | 18 | | |
| Respiratory, thoracic and mediastinal disorders | | | |
| Cough | | | |
| subjects affected / exposed | 7 / 36 (19.44%) | | |
| occurrences (all) | 7 | | |
| Dyspnoea | | | |
| subjects affected / exposed | 12 / 36 (33.33%) | | |
| occurrences (all) | 14 | | |
| Haemoptysis | | | |
| subjects affected / exposed | 2 / 36 (5.56%) | | |
| occurrences (all) | 3 | | |
| Orthopnoea | | | |
| subjects affected / exposed | 2 / 36 (5.56%) | | |
| occurrences (all) | 2 | | |
| Productive cough | | | |
| subjects affected / exposed | 2 / 36 (5.56%) | | |
| occurrences (all) | 2 | | |
| Increased bronchial secretion | | | |
| subjects affected / exposed | 2 / 36 (5.56%) | | |
| occurrences (all) | 2 | | |
| Psychiatric disorders | | | |
| Confusional state | | | |
| subjects affected / exposed | 2 / 36 (5.56%) | | |
| occurrences (all) | 2 | | |
| Insomnia | | | |

| | | | |
|--|-----------------------|--|--|
| subjects affected / exposed occurrences (all) | 4 / 36 (11.11%) 4 | | |
| Investigations | | | |
| Body temperature increased subjects affected / exposed occurrences (all) | 3 / 36 (8.33%) 5 | | |
| Weight decreased subjects affected / exposed occurrences (all) | 2 / 36 (5.56%) 2 | | |
| Nervous system disorders | | | |
| Headache subjects affected / exposed occurrences (all) | 6 / 36 (16.67%) 6 | | |
| Blood and lymphatic system disorders | | | |
| Anaemia subjects affected / exposed occurrences (all) | 6 / 36 (16.67%) 6 | | |
| Ear and labyrinth disorders | | | |
| Ear pain subjects affected / exposed occurrences (all) | 3 / 36 (8.33%) 4 | | |
| Gastrointestinal disorders | | | |
| Constipation subjects affected / exposed occurrences (all) | 9 / 36 (25.00%) 11 | | |
| Diarrhoea subjects affected / exposed occurrences (all) | 5 / 36 (13.89%) 6 | | |
| Dysphagia subjects affected / exposed occurrences (all) | 8 / 36 (22.22%) 13 | | |
| Nausea subjects affected / exposed occurrences (all) | 7 / 36 (19.44%) 7 | | |
| Odynophagia subjects affected / exposed occurrences (all) | 3 / 36 (8.33%) 9 | | |

| | | | |
|--|--|--|--|
| <p>Oral pain</p> <p>subjects affected / exposed</p> <p>4 / 36 (11.11%)</p> <p>occurrences (all)</p> <p>4</p> | | | |
| <p>Stomatitis</p> <p>subjects affected / exposed</p> <p>2 / 36 (5.56%)</p> <p>occurrences (all)</p> <p>3</p> | | | |
| <p>Vomiting</p> <p>subjects affected / exposed</p> <p>5 / 36 (13.89%)</p> <p>occurrences (all)</p> <p>7</p> | | | |
| <p>Skin and subcutaneous tissue disorders</p> <p>Pruritus</p> <p>subjects affected / exposed</p> <p>2 / 36 (5.56%)</p> <p>occurrences (all)</p> <p>2</p> | | | |
| <p>Endocrine disorders</p> <p>Hypothyroidism</p> <p>subjects affected / exposed</p> <p>3 / 36 (8.33%)</p> <p>occurrences (all)</p> <p>3</p> | | | |
| <p>Musculoskeletal and connective tissue disorders</p> <p>Musculoskeletal pain</p> <p>subjects affected / exposed</p> <p>3 / 36 (8.33%)</p> <p>occurrences (all)</p> <p>3</p> <p>Neck pain</p> <p>subjects affected / exposed</p> <p>4 / 36 (11.11%)</p> <p>occurrences (all)</p> <p>4</p> <p>Pain in extremity</p> <p>subjects affected / exposed</p> <p>2 / 36 (5.56%)</p> <p>occurrences (all)</p> <p>2</p> | | | |
| <p>Infections and infestations</p> <p>Lower respiratory tract infection</p> <p>subjects affected / exposed</p> <p>4 / 36 (11.11%)</p> <p>occurrences (all)</p> <p>5</p> <p>Oral candidiasis</p> <p>subjects affected / exposed</p> <p>2 / 36 (5.56%)</p> <p>occurrences (all)</p> <p>3</p> <p>Rhinitis</p> | | | |

| | | | |
|---|----------------------|--|--|
| subjects affected / exposed occurrences (all) | 2 / 36 (5.56%) 2 | | |
| Skin infection subjects affected / exposed occurrences (all) | 3 / 36 (8.33%) 3 | | |
| Upper respiratory tract infection subjects affected / exposed occurrences (all) | 2 / 36 (5.56%) 2 | | |
| Metabolism and nutrition disorders | | | |
| Decreased appetite subjects affected / exposed occurrences (all) | 5 / 36 (13.89%) 8 | | |
| Hypokalaemia subjects affected / exposed occurrences (all) | 2 / 36 (5.56%) 3 | | |

More information

Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date | Amendment |
|--------------|--|
| 28 June 2016 | <p>The following key changes were incorporated into protocol amendment 1:</p> <ul style="list-style-type: none">• Updated key contacts• Changed phase 3 portion of study to be double-blind and added placebo to the pembrolizumab arm.• Reordered sections to separate phase 1b and phase 3 in the synopsis, and general study procedures sections in order to more clearly delineate which sections are specific to each phase of the study. Additionally, to reduce the number of footnotes, reorganized Section 7 to provide more description to study procedures.• Updated background information for talimogene laherparepvec and pembrolizumab to reflect recent publications or presentations and approvals.• Updated biopsy requirements in inclusion criteria• Removed biodistribution and shedding at select sites in phase 3 as we will have sufficient data from phase 1• Removed PD-L1 status as a stratification factor• Removed registry study option• Updated contraception language for exclusion criterion and also sections related to pembrolizumab. This is to align with other pembrolizumab protocols.• Added exclusion criteria for active tuberculosis in order to align with other pembrolizumab protocols.• Updated text related to pembrolizumab, rescue medications, dose adjustment, overdose, and supportive care guidelines to align with other pembrolizumab protocols.• Updated pregnancy and lactation reporting language to align with other talimogene laherparepvec and pembrolizumab protocols.• Updated language to clarify the modified response criteria in the appendices (eg, how to evaluate separated lesions, criteria for confirmation of PD).• Added optional photography substudy <p>Additional errors were identified and rectified in the superseding amendment, and administrative errors were corrected.</p> |

| | |
|-----------------|--|
| 05 January 2017 | <p>This protocol was amended to:</p> <ul style="list-style-type: none"> • Update eligibility criteria triggered by recent safety signal – carotid blowout syndrome, and efficacy signal – lack of benefit in primary refractory patients with progressive disease within 3 months of curative intent multimodality therapy. • Remove progression-free survival as a primary endpoint for phase 3 and make it a secondary endpoint, along with Complete Response Rate (CRR). <ul style="list-style-type: none"> o The decision to forego of PFS as a dual primary endpoint hinged upon a few factors which included: the recent outcome of CHECKMATE 141 which led to approval of nivolumab based upon OS and also the final approval of pembrolizumab which is dependent upon OS from KEYNOTE 040. Considering the fact that OS is a superior outcome measure of a treatment over PFS especially in a poor prognosis disease and that PFS is not always a surrogate for OS, combined with the precedent set by nivolumab approval on OS, we felt that PFS did not have a truly meaningful role in the assessment of the efficacy of TVEC+pembrolizumab in second line head and neck cancer as well as for regulatory purposes. • Add the use of irRECIST investigator assessment for response assessments and remove RECIST 1.1 central review. • Update QOL/PRO wording and elevation of QLQ C30-3L to secondary endpoint from exploratory. • Update statistical methods to justify the endpoint changes and also to introduce OS IA and futility analyses. • To add more detail around go no go decision from Phase 1b to 3. • Add additional pembrolizumab background information. • Add additional talimogene laherparepvec background information. • Update IP discontinuation/withholding rules. • Update radiographic tumor assessments (sites of disease, spiral CT). • Add additional information for archival tumor tissue. • Add additional information for HPV testing. • Update safety reporting information. • Administrative changes and editorial changes for clarification. |
| 25 October 2017 | <p>This protocol was amended to:</p> <ul style="list-style-type: none"> • Add the investigator-assessed RECIST v1.1 secondary tumor response endpoints of objective response rate (ORR) and progress-free survival (PFS) as secondary endpoints and remove CRR per irRECIST as a secondary endpoint. • Replace EQ-5D-3L with EQ-5D-5L to utilize the most recent PRO version. • Revised re-irradiation exclusion criteria. • Replaced modified RECIST v1.1 of 10 maximum lesions with 5 per organ with standard RECIST v1.1 for screening (5 maximum lesions with 2 per organ) to align with the use of standard RECIST v1.1 introduced for key secondary endpoints. • Added RECIST v1.1 assessment in addition to irRECIST assessment for response assessment. • Revised the set of secondary hypotheses to be tested with the Maurer-Bretz procedure to potentially generate more robust efficacy conclusions. Testing of CRR was replaced with ORR. Testing was added for RECIST v1.1 ORR and PFS. The total number of potential hypotheses tested increased from 3 to 5. • The number of events at the OS interim analysis was increased from approximately 255 to 280 to preserve 70% power in the event of a potential treatment lag effect. • Sample size considerations were revised due to the OS interim analysis change and to discuss the power for the revised secondary hypothesis tests. • The OS futility criterion at the interim analysis was changed from a conditional power <10% given a true HR of 0.70 to an observed HR >0.92 considering a potential treatment lag effect. • An audit-based Blind Independent Central Review (BICR) was added to assess the consistency of investigator- and BICR-assessed treatment effects for RECIST v1.1 ORR and PFS. • The definition of the phase 3 primary efficacy and safety analysis sets, primary completion, and end of trial were revised to maintain the study's statistical considerations. • Updated language on disease related events and reporting procedures per internal Amgen recommendations and to align across program. |

| | |
|-------------|--|
| 11 May 2018 | <p>This protocol was amended to:</p> <ul style="list-style-type: none"> • Add language to clarify long term follow-up for subjects in phase 1b due to decision to not proceed to the phase 3 part of the study. • Remove PK and ADA samples from phase 1b portion of protocol per discussion with FDA, EMA, and PDMA (Merck request). • Update End of Study language to align with most recent Amgen template text and to include the definition of Primary Completion and End of Trial for subjects who completed phase 1b. • Include a follow-up analysis for phase 1b. • Add text providing guidance about latex allergies to exclusion criteria no. 223. • Update serious adverse event reporting procedures to align with current safety language. • Update pembrolizumab safety language regarding pregnancy reporting and breastfeeding. • Update Key Sponsor Contacts. • Make administrative and editorial changes. |
|-------------|--|

Notes:

Interruptions (globally)

Were there any global interruptions to the trial? No

Limitations and caveats

None reported