



Clinical trial results:

A randomized, double-blind Phase III study of copanlisib versus placebo in patients with rituximab-refractory indolent non-Hodgkin's lymphoma (iNHL) - CHRONOS-2

Summary

| | |
|--------------------------|-----------------|
| EudraCT number | 2014-000925-19 |
| Trial protocol | AT IE GR PL IT |
| Global end of trial date | 26 October 2022 |

Results information

| | |
|--------------------------------|-----------------|
| Result version number | v1 (current) |
| This version publication date | 20 October 2023 |
| First version publication date | 20 October 2023 |

Trial information

Trial identification

| | |
|-----------------------|--------------------|
| Sponsor protocol code | BAY80-6946 / 17322 |
|-----------------------|--------------------|

Additional study identifiers

| | |
|------------------------------------|-------------|
| ISRCTN number | - |
| ClinicalTrials.gov id (NCT number) | NCT02369016 |
| WHO universal trial number (UTN) | - |

Notes:

Sponsors

| | |
|------------------------------|--|
| Sponsor organisation name | Bayer AG |
| Sponsor organisation address | Kaiser Wilhelm Allee, Leverkusen, Germany, D-51368 |
| Public contact | Therapeutic Area Head, Bayer AG, clinical-trials-contact@bayer.com |
| Scientific contact | Therapeutic Area Head, Bayer AG, clinical-trials-contact@bayer.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 | 15 December 2022 |
| Is this the analysis of the primary completion data? | Yes |
| Primary completion date | 26 October 2022 |
| Global end of trial reached? | Yes |
| Global end of trial date | 26 October 2022 |
| Was the trial ended prematurely? | No |

Notes:

General information about the trial

Main objective of the trial:

To assess the safety of copanlisib.

Protection of trial subjects:

The conduct of this clinical study met all local legal and regulatory requirements. The study was conducted in accordance with the ethical principles that have their origin in the Declaration of Helsinki and the International Conference on Harmonization guideline E6: Good Clinical Practice. Before entering the study, the informed consent form was read by and explained to all subjects. Participating subjects signed informed consent form and could withdraw from the study at any time without any disadvantage and without having to provide a reason for this decision. Only investigators qualified by training and experience were selected as appropriate experts to investigate the study drug.

Background therapy: -

Evidence for comparator: -

| | |
|---|-------------------|
| Actual start date of recruitment | 22 September 2015 |
| Long term follow-up planned | No |
| Independent data monitoring committee (IDMC) involvement? | Yes |

Notes:

Population of trial subjects

Subjects enrolled per country

| | |
|--------------------------------------|-----------------------|
| Country: Number of subjects enrolled | Brazil: 1 |
| Country: Number of subjects enrolled | Bulgaria: 1 |
| Country: Number of subjects enrolled | Greece: 2 |
| Country: Number of subjects enrolled | Italy: 1 |
| Country: Number of subjects enrolled | Poland: 3 |
| Country: Number of subjects enrolled | Russian Federation: 7 |
| Country: Number of subjects enrolled | Korea, Republic of: 6 |
| Country: Number of subjects enrolled | Taiwan: 2 |
| Country: Number of subjects enrolled | Turkey: 2 |
| Worldwide total number of subjects | 25 |
| EEA total number of subjects | 7 |

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) | 17 |
| From 65 to 84 years | 8 |
| 85 years and over | 0 |

Subject disposition

Recruitment

Recruitment details:

The study was conducted at 20 study centers in 10 countries/regions: Brazil (2), Bulgaria (1), Greece (1), Italy (2), Poland (1), Russian Federation (5), South Africa (1), South Korea (5), Taiwan (1) and Turkey (1) between 22 September 2015 (first patient first visit) and 26 October 2022 (last patient last visit).

Pre-assignment

Screening details:

34 participants were screened. 9 participants were screening failures and 25 participants were randomized to study treatment: 17 to copanlisib and 8 to placebo. All randomized participants also received at least one dose of study treatment and were valid for safety analyses. After study unblinding 7 placebo participants switched to copanlisib.

Period 1

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

Arms

| | |
|------------------------------|----------------------------------|
| Are arms mutually exclusive? | Yes |
| Arm title | Copanlisib (BAY80-6946, Aliqopa) |

Arm description:

Participants who were randomized to copanlisib until end of the study

| | |
|--|--|
| Arm type | Experimental |
| Investigational medicinal product name | Copanlisib 60 mg solution for infusion |
| Investigational medicinal product code | BAY80-6946 |
| Other name | Aliqopa |
| Pharmaceutical forms | Solution for infusion |
| Routes of administration | Infusion |

Dosage and administration details:

Copanlisib was administered IV over approximately 1 h on Days 1, 8, and 15 of each 28-day treatment cycle (3 weeks on/1 week off).

| | |
|------------------|---------|
| Arm title | Placebo |
|------------------|---------|

Arm description:

Participants who were randomized to placebo until switching from placebo to copanlisib after disease progression or after study unblinding

| | |
|--|-----------------------|
| Arm type | Experimental |
| Investigational medicinal product name | placebo |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Solution for infusion |
| Routes of administration | Intravenous use |

Dosage and administration details:

Placebo was administered IV over approximately 1 h on Days 1, 8, and 15 of each 28-day treatment cycle (3 weeks on/1 week off).

| Number of subjects in period 1 | Copanlisib (BAY80-6946, Aliqopa) | Placebo |
|---|----------------------------------|---------|
| Started | 17 | 8 |
| Completed | 0 | 0 |
| Not completed | 17 | 8 |
| AE associated with clinical disease progression | 2 | 1 |
| AE not associated with clinical disease progression | 4 | 1 |
| Progressive disease - clinical progression | 1 | 4 |
| withdrawal by patient | 4 | - |
| Progressive disease - radiological progression | 6 | 2 |

Baseline characteristics

Reporting groups

| | |
|-----------------------|---------|
| Reporting group title | overall |
|-----------------------|---------|

Reporting group description: -

| Reporting group values | overall | Total | |
|------------------------|---------|-------|--|
| Number of subjects | 25 | 25 | |
| Age categorical | | | |
| Units: Subjects | | | |
| Adults (18-64 years) | 17 | 17 | |
| From 65-84 years | 8 | 8 | |
| Gender categorical | | | |
| Units: Subjects | | | |
| Female | 8 | 8 | |
| Male | 17 | 17 | |

Subject analysis sets

| | |
|----------------------------|---------------------|
| Subject analysis set title | Safety analysis set |
|----------------------------|---------------------|

| | |
|---------------------------|-----------------|
| Subject analysis set type | Safety analysis |
|---------------------------|-----------------|

Subject analysis set description:

All participants with at least one administration of the study drug were included in the Safety analysis set.

| | |
|----------------------------|-------------------|
| Subject analysis set title | Full analysis set |
|----------------------------|-------------------|

| | |
|---------------------------|---------------|
| Subject analysis set type | Full analysis |
|---------------------------|---------------|

Subject analysis set description:

All participants who were randomized to the treatment arms at the start of the study were included in the FAS.

| | |
|----------------------------|------------------------|
| Subject analysis set title | Switched to copanlisib |
|----------------------------|------------------------|

| | |
|---------------------------|--------------------|
| Subject analysis set type | Sub-group analysis |
|---------------------------|--------------------|

Subject analysis set description:

Participants who switched from placebo to copanlisib

| | |
|----------------------------|-------------------------|
| Subject analysis set title | Treated with copanlisib |
|----------------------------|-------------------------|

| | |
|---------------------------|--------------------|
| Subject analysis set type | Sub-group analysis |
|---------------------------|--------------------|

Subject analysis set description:

Participants who were treated with copanlisib (randomized to copanlisib + switched from placebo to copanlisib)

| Reporting group values | Safety analysis set | Full analysis set | Switched to copanlisib |
|------------------------|---------------------|-------------------|------------------------|
| Number of subjects | 25 | 25 | 7 |
| Age categorical | | | |
| Units: Subjects | | | |
| Adults (18-64 years) | 17 | 17 | 4 |
| From 65-84 years | 8 | 8 | 3 |
| Gender categorical | | | |
| Units: Subjects | | | |
| Female | 8 | 8 | 1 |
| Male | 17 | 17 | 6 |

| | | | |
|---------------------------------------|----------------------------|--|--|
| Reporting group values | Treated with copanlisib | | |
| Number of subjects | 24 | | |
| Age categorical Units: Subjects | | | |
| Adults (18-64 years) | 16 | | |
| From 65-84 years | 8 | | |
| Gender categorical Units: Subjects | | | |
| Female | 8 | | |
| Male | 16 | | |

End points

End points reporting groups

| | |
|--|----------------------------------|
| Reporting group title | Copanlisib (BAY80-6946, Aliqopa) |
| Reporting group description: Participants who were randomized to copanlisib until end of the study | |
| Reporting group title | Placebo |
| Reporting group description: Participants who were randomized to placebo until switching from placebo to copanlisib after disease progression or after study unblinding | |
| Subject analysis set title | Safety analysis set |
| Subject analysis set type | Safety analysis |
| Subject analysis set description: All participants with at least one administration of the study drug were included in the Safety analysis set. | |
| Subject analysis set title | Full analysis set |
| Subject analysis set type | Full analysis |
| Subject analysis set description: All participants who were randomized to the treatment arms at the start of the study were included in the FAS. | |
| Subject analysis set title | Switched to copanlisib |
| Subject analysis set type | Sub-group analysis |
| Subject analysis set description: Participants who switched from placebo to copanlisib | |
| Subject analysis set title | Treated with copanlisib |
| Subject analysis set type | Sub-group analysis |
| Subject analysis set description: Participants who were treated with copanlisib (randomized to copanlisib + switched from placebo to copanlisib) | |

Primary: Number of participants with treatment-emergent adverse events (TEAE)s

| | |
|---|--|
| End point title | Number of participants with treatment-emergent adverse events (TEAE)s ^[1] |
| End point description: Adverse event data were collected after signing the informed consent until 30 days after the last study drug administration (end of safety follow-up) | |
| End point type | Primary |
| End point timeframe: up to 7 years | |

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: Due the limited number of patients, statistical analyses included in this study focused on descriptive statistics only.

Due to the short duration of placebo treatment before switching to copanlisib and the small number of patients receiving placebo, any comparisons between copanlisib and placebo treatment are not considered meaningful.

| End point values | Copanlisib (BAY80-6946, Aliqopa) | Placebo | Switched to copanlisib | Treated with copanlisib |
|-----------------------------|--|-----------------|---------------------------|----------------------------|
| Subject group type | Reporting group | Reporting group | Subject analysis set | Subject analysis set |
| Number of subjects analysed | 17 | 8 | 7 | 24 |
| Units: patients | 17 | 7 | 7 | 24 |

Statistical analyses

No statistical analyses for this end point

Primary: Number of participants with treatment-emergent serious adverse events

| | |
|-----------------|--|
| End point title | Number of participants with treatment-emergent serious adverse events ^[2] |
|-----------------|--|

End point description:

Serious Adverse event data were collected after signing the informed consent until 30 days after the last study drug administration (end of safety follow-up)

| | |
|----------------|---------|
| End point type | Primary |
|----------------|---------|

End point timeframe:

up to 7 years

Notes:

[2] - 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: Due the limited number of patients, statistical analyses included in this study focused on descriptive statistics only.

Due to the short duration of placebo treatment before switching to copanlisib and the small number of patients receiving placebo, any comparisons between copanlisib and placebo treatment are not considered meaningful.

| End point values | Copanlisib (BAY80-6946, Aliqopa) | Placebo | Switched to copanlisib | Treated with copanlisib |
|-----------------------------|--|-----------------|---------------------------|----------------------------|
| Subject group type | Reporting group | Reporting group | Subject analysis set | Subject analysis set |
| Number of subjects analysed | 17 | 8 | 7 | 24 |
| Units: patients | 6 | 1 | 5 | 11 |

Statistical analyses

No statistical analyses for this end point

Primary: Participants with abnormal laboratory parameters

| | |
|-----------------|---|
| End point title | Participants with abnormal laboratory parameters ^[3] |
|-----------------|---|

End point description:

- Above threshold 10% and reported as TEAEs - - any event grade 1-4 -

| | |
|----------------|---------|
| End point type | Primary |
|----------------|---------|

End point timeframe:

up to 7 years

Notes:

[3] - 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: Due the limited number of patients, statistical analyses included in this study focused on descriptive statistics only.

Due to the short duration of placebo treatment before switching to copanlisib and the small number of patients receiving placebo, any comparisons between copanlisib and placebo treatment are not considered meaningful.

| End point values | Copanlisib (BAY80-6946, Aliqopa) | Placebo | Switched to copanlisib | Treated with copanlisib |
|-----------------------------|--|-----------------|---------------------------|----------------------------|
| Subject group type | Reporting group | Reporting group | Subject analysis set | Subject analysis set |
| Number of subjects analysed | 17 | 8 | 7 | 24 |
| Units: patients | | | | |
| ANY | 9 | 1 | 3 | 12 |
| Hyperglycaemia | 6 | 0 | 4 | 10 |
| Neutropenia | 6 | 0 | 1 | 7 |
| Neutrophil count decreased | 4 | 0 | 2 | 6 |
| Anaemia | 2 | 2 | 4 | 6 |
| Platelet count decreased | 3 | 0 | 2 | 5 |

Statistical analyses

No statistical analyses for this end point

Primary: Participants with abnormal vital signs

| | |
|-----------------|---|
| End point title | Participants with abnormal vital signs ^[4] |
|-----------------|---|

End point description:

- Reported as TEAEs - worst CTCAE grade 'total' -

| | |
|----------------|---------|
| End point type | Primary |
|----------------|---------|

End point timeframe:

up to 7 years

Notes:

[4] - 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: Due the limited number of patients, statistical analyses included in this study focused on descriptive statistics only.

Due to the short duration of placebo treatment before switching to copanlisib and the small number of patients receiving placebo, any comparisons between copanlisib and placebo treatment are not considered meaningful.

| End point values | Copanlisib (BAY80-6946, Aliqopa) | Placebo | Switched to copanlisib | Treated with copanlisib |
|--------------------------------|--|-----------------|---------------------------|----------------------------|
| Subject group type | Reporting group | Reporting group | Subject analysis set | Subject analysis set |
| Number of subjects analysed | 17 | 8 | 7 | 24 |
| Units: patients | | | | |
| Blood pressure increased | 2 | 0 | 1 | 3 |
| Electrocardiogram QT prolonged | 1 | 0 | 0 | 1 |

Statistical analyses

No statistical analyses for this end point

Adverse events

Adverse events information

Timeframe for reporting adverse events:

from the start of study drug administration until 30 days after the last study drug administration, up to end of safety follow-up, approximately 7 years

| | |
|-----------------|----------------|
| Assessment type | Non-systematic |
|-----------------|----------------|

Dictionary used

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

| | |
|--------------------|------|
| Dictionary version | 25.1 |
|--------------------|------|

Reporting groups

| | |
|-----------------------|--------------------------|
| Reporting group title | Randomized to copanlisib |
|-----------------------|--------------------------|

Reporting group description:

Participants who were randomized to copanlisib and continued copanlisib treatment after study unblinding (randomized to copanlisib group)

| | |
|-----------------------|-----------------------|
| Reporting group title | Randomized to placebo |
|-----------------------|-----------------------|

Reporting group description:

Participants who were randomized to placebo until switching from placebo to copanlisib after disease progression or after study unblinding

| | |
|-----------------------|------------------------|
| Reporting group title | Switched to copanlisib |
|-----------------------|------------------------|

Reporting group description:

Participants who switched from placebo to copanlisib

| | |
|-----------------------|-------------------------|
| Reporting group title | Treated with copanlisib |
|-----------------------|-------------------------|

Reporting group description:

Participants who were treated with copanlisib (randomized to copanlisib + switched from placebo to copanlisib)

| Serious adverse events | Randomized to copanlisib | Randomized to placebo | Switched to copanlisib |
|---|--------------------------|-----------------------|------------------------|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 6 / 17 (35.29%) | 1 / 8 (12.50%) | 5 / 7 (71.43%) |
| number of deaths (all causes) | 2 | 1 | 2 |
| number of deaths resulting from adverse events | 0 | 0 | 2 |
| Investigations | | | |
| Aspartate aminotransferase increased | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Alanine aminotransferase increased | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| General disorders and administration | | | |

| | | | |
|---|----------------|----------------|----------------|
| site conditions | | | |
| General physical health deterioration | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Gastrointestinal disorders | | | |
| Diarrhoea | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Respiratory, thoracic and mediastinal disorders | | | |
| Dyspnoea | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| Skin and subcutaneous tissue disorders | | | |
| Skin ulcer | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 1 / 8 (12.50%) | 0 / 7 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 2 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Infections and infestations | | | |
| Cellulitis | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Pneumonia | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 2 / 7 (28.57%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 1 / 3 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Klebsiella bacteraemia | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| Pneumocystis jirovecii pneumonia | | | |

| | | | |
|---|----------------|---------------|----------------|
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Metabolism and nutrition disorders | | | |
| Hyperglycaemic hyperosmolar nonketotic syndrome | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 1 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |

| | | | |
|--|-------------------------|--|--|
| Serious adverse events | Treated with copanlisib | | |
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 11 / 24 (45.83%) | | |
| number of deaths (all causes) | 4 | | |
| number of deaths resulting from adverse events | 2 | | |
| Investigations | | | |
| Aspartate aminotransferase increased | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Alanine aminotransferase increased | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| General disorders and administration site conditions | | | |
| General physical health deterioration | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Gastrointestinal disorders | | | |
| Diarrhoea | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Respiratory, thoracic and mediastinal disorders | | | |

| | | | |
|---|-----------------|--|--|
| Dyspnoea | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Skin and subcutaneous tissue disorders | | | |
| Skin ulcer | | | |
| subjects affected / exposed | 0 / 24 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Infections and infestations | | | |
| Cellulitis | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Pneumonia | | | |
| subjects affected / exposed | 3 / 24 (12.50%) | | |
| occurrences causally related to treatment / all | 1 / 4 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Klebsiella bacteraemia | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Pneumocystis jirovecii pneumonia | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Metabolism and nutrition disorders | | | |
| Hyperglycaemic hyperosmolar nonketotic syndrome | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| 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 | Randomized to copanlisib | Randomized to placebo | Switched to copanlisib |
|---|-----------------------------|--------------------------|---------------------------|
| Total subjects affected by non-serious adverse events subjects affected / exposed | 17 / 17 (100.00%) | 7 / 8 (87.50%) | 7 / 7 (100.00%) |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) Seborrhoeic keratosis subjects affected / exposed occurrences (all) | 0 / 17 (0.00%) 0 | 1 / 8 (12.50%) 1 | 0 / 7 (0.00%) 0 |
| Cancer pain subjects affected / exposed occurrences (all) | 0 / 17 (0.00%) 0 | 0 / 8 (0.00%) 0 | 1 / 7 (14.29%) 1 |
| Vascular disorders Hypertension subjects affected / exposed occurrences (all) | 3 / 17 (17.65%) 32 | 1 / 8 (12.50%) 1 | 2 / 7 (28.57%) 19 |
| Surgical and medical procedures Tooth extraction subjects affected / exposed occurrences (all) | 1 / 17 (5.88%) 1 | 0 / 8 (0.00%) 0 | 0 / 7 (0.00%) 0 |
| General disorders and administration site conditions Extravasation subjects affected / exposed occurrences (all) | 1 / 17 (5.88%) 1 | 0 / 8 (0.00%) 0 | 0 / 7 (0.00%) 0 |
| Asthenia subjects affected / exposed occurrences (all) | 0 / 17 (0.00%) 0 | 1 / 8 (12.50%) 1 | 1 / 7 (14.29%) 2 |
| Fatigue subjects affected / exposed occurrences (all) | 1 / 17 (5.88%) 3 | 0 / 8 (0.00%) 0 | 1 / 7 (14.29%) 1 |
| Pain subjects affected / exposed occurrences (all) | 0 / 17 (0.00%) 0 | 0 / 8 (0.00%) 0 | 1 / 7 (14.29%) 1 |
| Injection site irritation subjects affected / exposed occurrences (all) | 1 / 17 (5.88%) 1 | 0 / 8 (0.00%) 0 | 0 / 7 (0.00%) 0 |
| Pyrexia | | | |

| | | | |
|---|----------------------|---------------------|---------------------|
| subjects affected / exposed occurrences (all) | 2 / 17 (11.76%) 6 | 0 / 8 (0.00%) 0 | 3 / 7 (42.86%) 4 |
| General physical health deterioration subjects affected / exposed occurrences (all) | 1 / 17 (5.88%) 1 | 0 / 8 (0.00%) 0 | 0 / 7 (0.00%) 0 |
| Non-cardiac chest pain subjects affected / exposed occurrences (all) | 0 / 17 (0.00%) 0 | 0 / 8 (0.00%) 0 | 1 / 7 (14.29%) 1 |
| Immune system disorders | | | |
| Hypersensitivity subjects affected / exposed occurrences (all) | 1 / 17 (5.88%) 1 | 0 / 8 (0.00%) 0 | 0 / 7 (0.00%) 0 |
| Immunodeficiency common variable subjects affected / exposed occurrences (all) | 0 / 17 (0.00%) 0 | 0 / 8 (0.00%) 0 | 1 / 7 (14.29%) 1 |
| Respiratory, thoracic and mediastinal disorders | | | |
| Cough subjects affected / exposed occurrences (all) | 3 / 17 (17.65%) 3 | 1 / 8 (12.50%) 1 | 2 / 7 (28.57%) 4 |
| Catarrh subjects affected / exposed occurrences (all) | 1 / 17 (5.88%) 1 | 0 / 8 (0.00%) 0 | 0 / 7 (0.00%) 0 |
| Upper-airway cough syndrome subjects affected / exposed occurrences (all) | 1 / 17 (5.88%) 1 | 0 / 8 (0.00%) 0 | 0 / 7 (0.00%) 0 |
| Organising pneumonia subjects affected / exposed occurrences (all) | 1 / 17 (5.88%) 1 | 0 / 8 (0.00%) 0 | 0 / 7 (0.00%) 0 |
| Sinus pain subjects affected / exposed occurrences (all) | 0 / 17 (0.00%) 0 | 0 / 8 (0.00%) 0 | 1 / 7 (14.29%) 1 |
| Rhinorrhoea subjects affected / exposed occurrences (all) | 2 / 17 (11.76%) 2 | 0 / 8 (0.00%) 0 | 0 / 7 (0.00%) 0 |
| Productive cough | | | |

| | | | |
|---|-----------------------|---------------------|---------------------|
| subjects affected / exposed occurrences (all) | 1 / 17 (5.88%) 5 | 2 / 8 (25.00%) 3 | 1 / 7 (14.29%) 1 |
| Lung disorder subjects affected / exposed occurrences (all) | 0 / 17 (0.00%) 0 | 0 / 8 (0.00%) 0 | 1 / 7 (14.29%) 1 |
| Dyspnoea subjects affected / exposed occurrences (all) | 1 / 17 (5.88%) 1 | 0 / 8 (0.00%) 0 | 2 / 7 (28.57%) 2 |
| Psychiatric disorders Depressed mood subjects affected / exposed occurrences (all) | 1 / 17 (5.88%) 1 | 0 / 8 (0.00%) 0 | 0 / 7 (0.00%) 0 |
| Restlessness subjects affected / exposed occurrences (all) | 1 / 17 (5.88%) 1 | 0 / 8 (0.00%) 0 | 0 / 7 (0.00%) 0 |
| Insomnia subjects affected / exposed occurrences (all) | 2 / 17 (11.76%) 2 | 0 / 8 (0.00%) 0 | 1 / 7 (14.29%) 1 |
| Investigations Blood bilirubin increased subjects affected / exposed occurrences (all) | 1 / 17 (5.88%) 1 | 0 / 8 (0.00%) 0 | 0 / 7 (0.00%) 0 |
| Blood creatinine increased subjects affected / exposed occurrences (all) | 1 / 17 (5.88%) 1 | 0 / 8 (0.00%) 0 | 0 / 7 (0.00%) 0 |
| Blood pressure increased subjects affected / exposed occurrences (all) | 2 / 17 (11.76%) 12 | 0 / 8 (0.00%) 0 | 1 / 7 (14.29%) 7 |
| Electrocardiogram QT prolonged subjects affected / exposed occurrences (all) | 1 / 17 (5.88%) 1 | 0 / 8 (0.00%) 0 | 0 / 7 (0.00%) 0 |
| Platelet count decreased subjects affected / exposed occurrences (all) | 3 / 17 (17.65%) 5 | 0 / 8 (0.00%) 0 | 2 / 7 (28.57%) 4 |
| Neutrophil count decreased | | | |

| | | | |
|--|-----------------|----------------|----------------|
| subjects affected / exposed | 4 / 17 (23.53%) | 0 / 8 (0.00%) | 2 / 7 (28.57%) |
| occurrences (all) | 9 | 0 | 4 |
| N-terminal prohormone brain natriuretic peptide increased | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 0 | 0 | 1 |
| Blood alkaline phosphatase increased | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 0 | 0 | 1 |
| Cytomegalovirus test positive | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Weight increased | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Weight decreased | | | |
| subjects affected / exposed | 2 / 17 (11.76%) | 1 / 8 (12.50%) | 1 / 7 (14.29%) |
| occurrences (all) | 4 | 1 | 1 |
| Lipase increased | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Injury, poisoning and procedural complications | | | |
| Arthropod bite | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 2 | 0 | 0 |
| Accidental overdose | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Cervical vertebral fracture | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Lumbar vertebral fracture | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Thoracic vertebral fracture | | | |

| | | | |
|--------------------------------------|-----------------|----------------|----------------|
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Limb injury | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 0 | 0 | 1 |
| Cardiac disorders | | | |
| Tachycardia | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 1 / 8 (12.50%) | 1 / 7 (14.29%) |
| occurrences (all) | 0 | 6 | 3 |
| Nervous system disorders | | | |
| Headache | | | |
| subjects affected / exposed | 3 / 17 (17.65%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 5 | 0 | 1 |
| Dizziness | | | |
| subjects affected / exposed | 3 / 17 (17.65%) | 1 / 8 (12.50%) | 0 / 7 (0.00%) |
| occurrences (all) | 8 | 1 | 0 |
| Ataxia | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 1 / 8 (12.50%) | 0 / 7 (0.00%) |
| occurrences (all) | 0 | 1 | 0 |
| Muscle contractions involuntary | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Paraesthesia | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 4 | 0 | 0 |
| Somnolence | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 1 | 0 | 1 |
| Neuralgia | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Tremor | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Blood and lymphatic system disorders | | | |

| | | | |
|-----------------------------|-----------------|----------------|----------------|
| Neutropenia | | | |
| subjects affected / exposed | 6 / 17 (35.29%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 14 | 0 | 4 |
| Thrombocytopenia | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 2 / 7 (28.57%) |
| occurrences (all) | 1 | 0 | 2 |
| Lymphopenia | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 11 | 0 | 0 |
| Anaemia | | | |
| subjects affected / exposed | 2 / 17 (11.76%) | 2 / 8 (25.00%) | 4 / 7 (57.14%) |
| occurrences (all) | 2 | 2 | 11 |
| Hyperviscosity syndrome | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 1 / 8 (12.50%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 1 | 0 |
| Ear and labyrinth disorders | | | |
| External ear inflammation | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Eye disorders | | | |
| Conjunctivitis allergic | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 2 | 0 | 0 |
| Conjunctival hyperaemia | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Lacrimation increased | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Gastrointestinal disorders | | | |
| Abdominal discomfort | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 1 / 8 (12.50%) | 1 / 7 (14.29%) |
| occurrences (all) | 1 | 1 | 1 |
| Abdominal pain | | | |
| subjects affected / exposed | 2 / 17 (11.76%) | 2 / 8 (25.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 2 | 2 | 0 |
| Abdominal pain upper | | | |

| | | | |
|-----------------------------|-----------------|----------------|----------------|
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Anal fissure | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 0 | 0 | 1 |
| Constipation | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 2 / 8 (25.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 0 | 2 | 0 |
| Dental caries | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Diarrhoea | | | |
| subjects affected / exposed | 3 / 17 (17.65%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 12 | 0 | 6 |
| Dyspepsia | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 0 / 8 (0.00%) | 2 / 7 (28.57%) |
| occurrences (all) | 0 | 0 | 2 |
| Gastric ulcer | | | |
| subjects affected / exposed | 2 / 17 (11.76%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 2 | 0 | 0 |
| Gastritis | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 0 | 0 | 1 |
| Gastrointestinal pain | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Gingival pain | | | |
| subjects affected / exposed | 2 / 17 (11.76%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 2 | 0 | 1 |
| Haemorrhoids | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 0 | 0 | 1 |
| Mouth ulceration | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 2 | 0 | 0 |
| Stomatitis | | | |

| | | | |
|--|----------------------|---------------------|---------------------|
| subjects affected / exposed occurrences (all) | 3 / 17 (17.65%) 5 | 0 / 8 (0.00%) 0 | 2 / 7 (28.57%) 2 |
| Proctalgia subjects affected / exposed occurrences (all) | 1 / 17 (5.88%) 1 | 0 / 8 (0.00%) 0 | 0 / 7 (0.00%) 0 |
| Nausea subjects affected / exposed occurrences (all) | 2 / 17 (11.76%) 6 | 1 / 8 (12.50%) 1 | 0 / 7 (0.00%) 0 |
| Hepatobiliary disorders Hepatotoxicity subjects affected / exposed occurrences (all) | 0 / 17 (0.00%) 0 | 0 / 8 (0.00%) 0 | 1 / 7 (14.29%) 1 |
| Skin and subcutaneous tissue disorders Dermatitis subjects affected / exposed occurrences (all) | 0 / 17 (0.00%) 0 | 0 / 8 (0.00%) 0 | 1 / 7 (14.29%) 1 |
| Rash subjects affected / exposed occurrences (all) | 0 / 17 (0.00%) 0 | 0 / 8 (0.00%) 0 | 1 / 7 (14.29%) 1 |
| Pruritus subjects affected / exposed occurrences (all) | 1 / 17 (5.88%) 1 | 1 / 8 (12.50%) 1 | 0 / 7 (0.00%) 0 |
| Palmar-plantar erythrodysaesthesia syndrome subjects affected / exposed occurrences (all) | 1 / 17 (5.88%) 1 | 0 / 8 (0.00%) 0 | 0 / 7 (0.00%) 0 |
| Dry skin subjects affected / exposed occurrences (all) | 1 / 17 (5.88%) 1 | 0 / 8 (0.00%) 0 | 0 / 7 (0.00%) 0 |
| Dermatitis bullous subjects affected / exposed occurrences (all) | 1 / 17 (5.88%) 1 | 0 / 8 (0.00%) 0 | 0 / 7 (0.00%) 0 |
| Dermatitis atopic subjects affected / exposed occurrences (all) | 1 / 17 (5.88%) 1 | 0 / 8 (0.00%) 0 | 0 / 7 (0.00%) 0 |
| Paraneoplastic rash | | | |

| | | | |
|---|-----------------|----------------|----------------|
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Urticaria | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 3 | 0 | 0 |
| Skin ulcer | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 1 / 8 (12.50%) | 1 / 7 (14.29%) |
| occurrences (all) | 0 | 1 | 1 |
| Skin reaction | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Rash maculo-papular | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Renal and urinary disorders | | | |
| Renal colic | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Musculoskeletal and connective tissue disorders | | | |
| Bone pain | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Arthralgia | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 1 / 8 (12.50%) | 1 / 7 (14.29%) |
| occurrences (all) | 0 | 1 | 1 |
| Joint contracture | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 0 | 0 | 1 |
| Muscular weakness | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Myalgia | | | |
| subjects affected / exposed | 2 / 17 (11.76%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 3 | 0 | 0 |
| Musculoskeletal chest pain | | | |

| | | | |
|-------------------------------|----------------|---------------|----------------|
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Musculoskeletal stiffness | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 2 | 0 | 0 |
| Infections and infestations | | | |
| Bronchitis | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 0 | 0 | 1 |
| Cellulitis | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Clostridium difficile colitis | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 0 | 0 | 1 |
| Conjunctivitis | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Herpes zoster | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 1 | 0 | 1 |
| Herpes simplex | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Nasopharyngitis | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Pneumonia | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 2 / 7 (28.57%) |
| occurrences (all) | 1 | 0 | 2 |
| Periodontitis | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Scrub typhus | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |

| | | | |
|------------------------------------|-----------------|----------------|----------------|
| Sinusitis | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 3 | 0 | 2 |
| Upper respiratory tract infection | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 3 / 7 (42.86%) |
| occurrences (all) | 1 | 0 | 4 |
| Urinary tract infection | | | |
| subjects affected / exposed | 3 / 17 (17.65%) | 1 / 8 (12.50%) | 0 / 7 (0.00%) |
| occurrences (all) | 3 | 1 | 0 |
| Oral infection | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Respiratory tract infection viral | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 0 | 0 | 1 |
| Alveolar osteitis | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 0 | 0 | 1 |
| Pneumocystis jirovecii pneumonia | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Herpes zoster reactivation | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 0 | 0 | 1 |
| Metabolism and nutrition disorders | | | |
| Hyperuricaemia | | | |
| subjects affected / exposed | 2 / 17 (11.76%) | 1 / 8 (12.50%) | 0 / 7 (0.00%) |
| occurrences (all) | 3 | 1 | 0 |
| Hypermagnesaemia | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Hyperglycaemia | | | |
| subjects affected / exposed | 6 / 17 (35.29%) | 0 / 8 (0.00%) | 4 / 7 (57.14%) |
| occurrences (all) | 107 | 0 | 59 |
| Hypercholesterolaemia | | | |

| | | | |
|-----------------------------|-----------------|----------------|----------------|
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 2 | 0 | 0 |
| Hypercalcaemia | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 0 | 0 | 1 |
| Cachexia | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 1 / 8 (12.50%) | 0 / 7 (0.00%) |
| occurrences (all) | 0 | 1 | 0 |
| Hypocalcaemia | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 0 | 0 | 1 |
| Hypophosphataemia | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 1 / 8 (12.50%) | 2 / 7 (28.57%) |
| occurrences (all) | 0 | 1 | 3 |
| Hypomagnesaemia | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 1 / 7 (14.29%) |
| occurrences (all) | 2 | 0 | 1 |
| Hypokalaemia | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 0 / 8 (0.00%) | 2 / 7 (28.57%) |
| occurrences (all) | 0 | 0 | 3 |
| Lactic acidosis | | | |
| subjects affected / exposed | 0 / 17 (0.00%) | 1 / 8 (12.50%) | 1 / 7 (14.29%) |
| occurrences (all) | 0 | 1 | 1 |
| Decreased appetite | | | |
| subjects affected / exposed | 2 / 17 (11.76%) | 1 / 8 (12.50%) | 1 / 7 (14.29%) |
| occurrences (all) | 2 | 1 | 1 |
| Dyslipidaemia | | | |
| subjects affected / exposed | 1 / 17 (5.88%) | 0 / 8 (0.00%) | 0 / 7 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |

| | | | |
|--|----------------------------|--|--|
| Non-serious adverse events | Treated with copanlisib | | |
| Total subjects affected by non-serious adverse events | | | |
| subjects affected / exposed | 24 / 24 (100.00%) | | |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) | | | |

| | | | |
|--|-----------------------|--|--|
| Seborrhoeic keratosis subjects affected / exposed occurrences (all) | 0 / 24 (0.00%) 0 | | |
| Cancer pain subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |
| Vascular disorders Hypertension subjects affected / exposed occurrences (all) | 5 / 24 (20.83%) 51 | | |
| Surgical and medical procedures Tooth extraction subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |
| General disorders and administration site conditions Extravasation subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |
| Asthenia subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 2 | | |
| Fatigue subjects affected / exposed occurrences (all) | 2 / 24 (8.33%) 4 | | |
| Pain subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |
| Injection site irritation subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |
| Pyrexia subjects affected / exposed occurrences (all) | 5 / 24 (20.83%) 10 | | |
| General physical health deterioration subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |

| | | | |
|--|----------------------|--|--|
| Non-cardiac chest pain subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |
| Immune system disorders Hypersensitivity subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |
| Immunodeficiency common variable subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |
| Respiratory, thoracic and mediastinal disorders Cough subjects affected / exposed occurrences (all) | 5 / 24 (20.83%) 7 | | |
| Catarrh subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |
| Upper-airway cough syndrome subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |
| Organising pneumonia subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |
| Sinus pain subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |
| Rhinorrhoea subjects affected / exposed occurrences (all) | 2 / 24 (8.33%) 2 | | |
| Productive cough subjects affected / exposed occurrences (all) | 2 / 24 (8.33%) 6 | | |
| Lung disorder subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |
| Dyspnoea | | | |

| | | | |
|--|----------------------|--|--|
| subjects affected / exposed occurrences (all) | 3 / 24 (12.50%) 3 | | |
| Psychiatric disorders | | | |
| Depressed mood | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Restlessness | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Insomnia | | | |
| subjects affected / exposed | 3 / 24 (12.50%) | | |
| occurrences (all) | 3 | | |
| Investigations | | | |
| Blood bilirubin increased | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Blood creatinine increased | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Blood pressure increased | | | |
| subjects affected / exposed | 3 / 24 (12.50%) | | |
| occurrences (all) | 19 | | |
| Electrocardiogram QT prolonged | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Platelet count decreased | | | |
| subjects affected / exposed | 5 / 24 (20.83%) | | |
| occurrences (all) | 9 | | |
| Neutrophil count decreased | | | |
| subjects affected / exposed | 6 / 24 (25.00%) | | |
| occurrences (all) | 13 | | |
| N-terminal prohormone brain natriuretic peptide increased | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Blood alkaline phosphatase increased | | | |

| | | | |
|--|-----------------|--|--|
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Cytomegalovirus test positive | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Weight increased | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Weight decreased | | | |
| subjects affected / exposed | 3 / 24 (12.50%) | | |
| occurrences (all) | 5 | | |
| Lipase increased | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Injury, poisoning and procedural complications | | | |
| Arthropod bite | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 2 | | |
| Accidental overdose | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Cervical vertebral fracture | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Lumbar vertebral fracture | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Thoracic vertebral fracture | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Limb injury | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Cardiac disorders | | | |

| | | | |
|---|-----------------------|--|--|
| Tachycardia subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 3 | | |
| Nervous system disorders | | | |
| Headache subjects affected / exposed occurrences (all) | 4 / 24 (16.67%) 6 | | |
| Dizziness subjects affected / exposed occurrences (all) | 3 / 24 (12.50%) 8 | | |
| Ataxia subjects affected / exposed occurrences (all) | 0 / 24 (0.00%) 0 | | |
| Muscle contractions involuntary subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |
| Paraesthesia subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 4 | | |
| Somnolence subjects affected / exposed occurrences (all) | 2 / 24 (8.33%) 2 | | |
| Neuralgia subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |
| Tremor subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |
| Blood and lymphatic system disorders | | | |
| Neutropenia subjects affected / exposed occurrences (all) | 7 / 24 (29.17%) 18 | | |
| Thrombocytopenia subjects affected / exposed occurrences (all) | 3 / 24 (12.50%) 3 | | |
| Lymphopenia | | | |

| | | | |
|-----------------------------|-----------------|--|--|
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 11 | | |
| Anaemia | | | |
| subjects affected / exposed | 6 / 24 (25.00%) | | |
| occurrences (all) | 13 | | |
| Hyperviscosity syndrome | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Ear and labyrinth disorders | | | |
| External ear inflammation | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Eye disorders | | | |
| Conjunctivitis allergic | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 2 | | |
| Conjunctival hyperaemia | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Lacrimation increased | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Gastrointestinal disorders | | | |
| Abdominal discomfort | | | |
| subjects affected / exposed | 2 / 24 (8.33%) | | |
| occurrences (all) | 2 | | |
| Abdominal pain | | | |
| subjects affected / exposed | 2 / 24 (8.33%) | | |
| occurrences (all) | 2 | | |
| Abdominal pain upper | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Anal fissure | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Constipation | | | |

| | | | |
|-----------------------------|-----------------|--|--|
| subjects affected / exposed | 0 / 24 (0.00%) | | |
| occurrences (all) | 0 | | |
| Dental caries | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Diarrhoea | | | |
| subjects affected / exposed | 4 / 24 (16.67%) | | |
| occurrences (all) | 18 | | |
| Dyspepsia | | | |
| subjects affected / exposed | 2 / 24 (8.33%) | | |
| occurrences (all) | 2 | | |
| Gastric ulcer | | | |
| subjects affected / exposed | 2 / 24 (8.33%) | | |
| occurrences (all) | 2 | | |
| Gastritis | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Gastrointestinal pain | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Gingival pain | | | |
| subjects affected / exposed | 3 / 24 (12.50%) | | |
| occurrences (all) | 3 | | |
| Haemorrhoids | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Mouth ulceration | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 2 | | |
| Stomatitis | | | |
| subjects affected / exposed | 5 / 24 (20.83%) | | |
| occurrences (all) | 7 | | |
| Proctalgia | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Nausea | | | |

| | | | |
|---|----------------|--|--|
| subjects affected / exposed | 2 / 24 (8.33%) | | |
| occurrences (all) | 6 | | |
| Hepatobiliary disorders | | | |
| Hepatotoxicity | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Skin and subcutaneous tissue disorders | | | |
| Dermatitis | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Rash | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Pruritus | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Palmar-plantar erythrodysaesthesia syndrome | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Dry skin | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Dermatitis bullous | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Dermatitis atopic | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Paraneoplastic rash | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Urticaria | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 3 | | |
| Skin ulcer | | | |

| | | | |
|---|----------------|--|--|
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Skin reaction | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Rash maculo-papular | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Renal and urinary disorders | | | |
| Renal colic | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Musculoskeletal and connective tissue disorders | | | |
| Bone pain | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Arthralgia | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Joint contracture | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Muscular weakness | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Myalgia | | | |
| subjects affected / exposed | 2 / 24 (8.33%) | | |
| occurrences (all) | 3 | | |
| Musculoskeletal chest pain | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Musculoskeletal stiffness | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 2 | | |
| Infections and infestations | | | |

| | | | |
|-----------------------------------|-----------------|--|--|
| Bronchitis | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Cellulitis | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Clostridium difficile colitis | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Conjunctivitis | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Herpes zoster | | | |
| subjects affected / exposed | 2 / 24 (8.33%) | | |
| occurrences (all) | 2 | | |
| Herpes simplex | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Nasopharyngitis | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Pneumonia | | | |
| subjects affected / exposed | 3 / 24 (12.50%) | | |
| occurrences (all) | 3 | | |
| Periodontitis | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Scrub typhus | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Sinusitis | | | |
| subjects affected / exposed | 2 / 24 (8.33%) | | |
| occurrences (all) | 5 | | |
| Upper respiratory tract infection | | | |
| subjects affected / exposed | 4 / 24 (16.67%) | | |
| occurrences (all) | 5 | | |

| | | | |
|---|-------------------------|--|--|
| Urinary tract infection subjects affected / exposed occurrences (all) | 3 / 24 (12.50%) 3 | | |
| Oral infection subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |
| Respiratory tract infection viral subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |
| Alveolar osteitis subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |
| Pneumocystis jirovecii pneumonia subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |
| Herpes zoster reactivation subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |
| Metabolism and nutrition disorders | | | |
| Hyperuricaemia subjects affected / exposed occurrences (all) | 2 / 24 (8.33%) 3 | | |
| Hypermagnesaemia subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |
| Hyperglycaemia subjects affected / exposed occurrences (all) | 10 / 24 (41.67%) 166 | | |
| Hypercholesterolaemia subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 2 | | |
| Hypercalcaemia subjects affected / exposed occurrences (all) | 1 / 24 (4.17%) 1 | | |
| Cachexia | | | |

| | | | |
|-----------------------------|-----------------|--|--|
| subjects affected / exposed | 0 / 24 (0.00%) | | |
| occurrences (all) | 0 | | |
| Hypocalcaemia | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Hypophosphataemia | | | |
| subjects affected / exposed | 2 / 24 (8.33%) | | |
| occurrences (all) | 3 | | |
| Hypomagnesaemia | | | |
| subjects affected / exposed | 2 / 24 (8.33%) | | |
| occurrences (all) | 3 | | |
| Hypokalaemia | | | |
| subjects affected / exposed | 2 / 24 (8.33%) | | |
| occurrences (all) | 3 | | |
| Lactic acidosis | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |
| Decreased appetite | | | |
| subjects affected / exposed | 3 / 24 (12.50%) | | |
| occurrences (all) | 3 | | |
| Dyslipidaemia | | | |
| subjects affected / exposed | 1 / 24 (4.17%) | | |
| occurrences (all) | 1 | | |

More information

Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date | Amendment |
|------------------|---|
| 25 November 2014 | <ul style="list-style-type: none">Several inclusion/exclusion and withdrawal criteria were modified.The study target population for efficacy analysis was changed from iNHL to FL patients.Randomization ratio was changed from 1:1 to 2:1 and prior treatment with PI3K inhibitors was added as a new stratification factor.Time to improvement in disease-related symptoms physical (subscale) (DRS-P) and secondary PFS (PFS2) were added as efficacy variables. |
| 16 February 2016 | <ul style="list-style-type: none">Several inclusion/exclusion criteria were modified.Guidance for the management of noninfectious pneumonitis (NIP), glucose and BP increases were updated. |
| 21 July 2016 | <ul style="list-style-type: none">Several inclusion/exclusion criteria were modified.Withdrawal criteria of study treatment due to cytomegalovirus (CMV) infection was added.Guidance for monitoring and prophylaxis of opportunistic infections was added. |
| 31 March 2017 | <p>Changes were made following the sponsor's decision to stop enrollment due to a lack of feasibility to complete this study in a reasonable time frame:</p> <ul style="list-style-type: none">Study design was modified from a randomized, double-blind, placebo-controlled study to an open-label, single arm study.Statistical analyses and efficacy endpoints were revised. Primary efficacy endpoint was changed from PFS to objective response rate and several secondary efficacy endpoints were removed.Central imaging review was removed, and bone marrow biopsy was changed to local standard of care. |
| 01 December 2017 | <p>The study design was further modified due to the limited number of participants to be included in the analyses:</p> <ul style="list-style-type: none">Primary endpoint was changed to safety and other study objectives were removed.Active and survival follow-up periods were removed.Several withdrawal criteria were modified.Timing of statistical analysis and guidance for tumor assessments were changed. |

Notes:

Interruptions (globally)

Were there any global interruptions to the trial? No

Limitations and caveats

None reported