



Clinical trial results:

A Study of Liposomal Doxorubicin With or Without Olaratumab (IMC-3G3) in Platinum-Refractory or Resistant Advanced Ovarian Cancer

Summary

| | |
|--------------------------|------------------|
| EudraCT number | 2009-009035-30 |
| Trial protocol | GB |
| Global end of trial date | 13 February 2014 |

Results information

| | |
|--------------------------------|------------------|
| Result version number | v1 (current) |
| This version publication date | 04 December 2016 |
| First version publication date | 04 December 2016 |

Trial information

Trial identification

| | |
|-----------------------|-------|
| Sponsor protocol code | 13899 |
|-----------------------|-------|

Additional study identifiers

| | |
|------------------------------------|---|
| ISRCTN number | - |
| ClinicalTrials.gov id (NCT number) | NCT00913835 |
| WHO universal trial number (UTN) | - |
| Other trial identifiers | Trial Number: 13899, Trial Alias: I5B-IE-JGDA |

Notes:

Sponsors

| | |
|------------------------------|--|
| Sponsor organisation name | Eli Lilly and Company |
| Sponsor organisation address | Lilly Corporate Center, Indianapolis, IN, United States, 46285 |
| Public contact | Available Mon - Fri 9 AM - 5 PM EST, Eli Lilly and Company , 1 877-CTLilly, |
| Scientific contact | Available Mon - Fri 9 AM - 5 PM EST, Eli Lilly and Company , 1 877-285-4559, |

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 | 13 February 2014 |
| Is this the analysis of the primary completion data? | No |
| Global end of trial reached? | Yes |
| Global end of trial date | 13 February 2014 |
| Was the trial ended prematurely? | No |

Notes:

General information about the trial

Main objective of the trial:

The purpose of this study is to determine if participants with platinum-refractory or platinum-resistant advanced ovarian cancer have a better outcome when treated with Olaratumab (IMC-3G3) in combination with Liposomal Doxorubicin than when treated with Liposomal Doxorubicin alone.

Protection of trial subjects:

This study was conducted in accordance with International Conference on Harmonization (ICH) Good Clinical Practice, and the principles of the Declaration of Helsinki, in addition to following the laws and regulations of the country or countries in which a study is conducted.

Background therapy: -

Evidence for comparator: -

| | |
|---|--------------|
| Actual start date of recruitment | 11 June 2009 |
| Long term follow-up planned | No |
| Independent data monitoring committee (IDMC) involvement? | No |

Notes:

Population of trial subjects

Subjects enrolled per country

| | |
|--------------------------------------|--------------------|
| Country: Number of subjects enrolled | United States: 75 |
| Country: Number of subjects enrolled | United Kingdom: 31 |
| Country: Number of subjects enrolled | Spain: 19 |
| Worldwide total number of subjects | 125 |
| EEA total number of subjects | 50 |

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) | 90 |
| From 65 to 84 years | 35 |

| | |
|-------------------|---|
| 85 years and over | 0 |
|-------------------|---|

Subject disposition

Recruitment

Recruitment details:

No Text Entered

Pre-assignment

Screening details:

Participants from liposomal doxorubicin (Lip Dox) treatment group who had progressive disease (PD) had the option to receive to Olaratumab (Olara) monotherapy. Participants who had evidence of PD, died in either period, or received optional Olaratumab monotherapy from liposomal doxorubicin monotherapy were considered to have completed the study.

Period 1

| | |
|------------------------------|---------------------------------------|
| Period 1 title | Olara+Lip Dox and Lip Dox Monotherapy |
| Is this the baseline period? | Yes |
| Allocation method | Randomised - controlled |
| Blinding used | Not blinded |

Arms

| | |
|------------------------------|------------------------------------|
| Are arms mutually exclusive? | Yes |
| Arm title | Olaratumab + Liposomal Doxorubicin |

Arm description:

20 milligrams per kilogram (mg/kg) of Olaratumab was administered as an intravenous (IV) infusion every 2 weeks (14 days) until there was evidence of progressive disease (PD) or development of unacceptable toxicity.

40 milligrams per square meter (mg/m²) of liposomal doxorubicin was administered according to the manufacturer's instructions every 4 weeks (28 days) until there was evidence of PD or development of unacceptable toxicity.

| | |
|--|---|
| Arm type | Experimental |
| Investigational medicinal product name | Olaratumab |
| Investigational medicinal product code | |
| Other name | IMC-3G3, LY3012207 |
| Pharmaceutical forms | Concentrate for solution for injection/infusion |
| Routes of administration | Intravenous use |

Dosage and administration details:

20 milligrams per kilogram (mg/kg) of Olaratumab was administered as an intravenous (IV) infusion every 2 weeks (14 days) until there was evidence of progressive disease (PD) or development of unacceptable toxicity.

| | |
|--|---|
| Investigational medicinal product name | Liposomal Doxorubicin |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Concentrate for solution for injection/infusion |
| Routes of administration | Intravenous use |

Dosage and administration details:

40 milligrams per square meter (mg/m²) of liposomal doxorubicin was administered according to the manufacturer's instructions every 4 weeks (28 days) until there was evidence of PD or development of unacceptable toxicity.

| | |
|------------------|-----------------------|
| Arm title | Liposomal Doxorubicin |
|------------------|-----------------------|

Arm description:

40 mg/m² of liposomal doxorubicin was administered according to the manufacturer's instructions every 4 weeks (28 days). Treatment continued until there is evidence of PD or development of unacceptable toxicity up to 130 weeks.

Upon disease progression the participant had the option to receive Olaratumab monotherapy.

| | |
|--|---|
| Arm type | Active comparator |
| Investigational medicinal product name | Liposomal Doxorubicin |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Concentrate for solution for injection/infusion |
| Routes of administration | Intravenous use |

Dosage and administration details:

40 mg/m² of liposomal doxorubicin was administered according to the manufacturer's instructions every 4 weeks (28 days). Treatment continued until there is evidence of PD or development of unacceptable toxicity up to 130 weeks.

| Number of subjects in period 1 | Olaratumab + Liposomal Doxorubicin | Liposomal Doxorubicin |
|---------------------------------------|------------------------------------|-----------------------|
| Started | 63 | 62 |
| Received Any Study Drug | 62 | 61 |
| Completed | 55 | 55 |
| Not completed | 8 | 7 |
| Consent withdrawn by subject | 2 | 3 |
| Not Specified | 4 | 3 |
| Lost to follow-up | 1 | - |
| Off Study Treatment/Alive | 1 | 1 |

Period 2

| | |
|------------------------------|---------------------------------|
| Period 2 title | Lip Dox: Olaratumab Monotherapy |
| Is this the baseline period? | No |
| Allocation method | Non-randomised - controlled |
| Blinding used | Not blinded |

Arms

| | |
|------------------|---------------------------------|
| Arm title | Optional Olaratumab Monotherapy |
|------------------|---------------------------------|

Arm description:

20 milligrams per kilogram (mg/kg) of Olaratumab was administered as an intravenous (IV) infusion every 2 weeks (14 days) until there was evidence of progressive disease (PD) or development of unacceptable toxicity.

| | |
|--|--|
| Arm type | Experimental |
| Investigational medicinal product name | Olaratumab |
| Investigational medicinal product code | |
| Other name | IMC-3G3, LY3012207 |
| Pharmaceutical forms | Concentrate and solvent for solution for injection |
| Routes of administration | Intravenous use |

Dosage and administration details:

20 milligrams per kilogram (mg/kg) of Olaratumab was administered as an intravenous (IV) infusion every 2 weeks (14 days) until there was evidence of progressive disease (PD) or development of unacceptable toxicity.

| Number of subjects in period 2^[1] | Optional Olaratumab Monotherapy |
|---|---------------------------------|
| Started | 28 |
| Received at least 1 dose of study drug | 28 |
| Completed | 25 |
| Not completed | 3 |
| Not Specified | 3 |

Notes:

[1] - The number of subjects starting the period is not consistent with the number completing the preceding period. It is expected the number of subjects starting the subsequent period will be the same as the number completing the preceding period.

Justification: Participants from liposomal doxorubicin (Lip Dox) treatment group who had progressive disease (PD) had the option to receive to Olaratumab (Olara) monotherapy.

Baseline characteristics

Reporting groups

| | |
|-----------------------|------------------------------------|
| Reporting group title | Olaratumab + Liposomal Doxorubicin |
|-----------------------|------------------------------------|

Reporting group description:

20 milligrams per kilogram (mg/kg) of Olaratumab was administered as an intravenous (IV) infusion every 2 weeks (14 days) until there was evidence of progressive disease (PD) or development of unacceptable toxicity.

40 milligrams per square meter (mg/m²) of liposomal doxorubicin was administered according to the manufacturer's instructions every 4 weeks (28 days) until there was evidence of PD or development of unacceptable toxicity.

| | |
|-----------------------|-----------------------|
| Reporting group title | Liposomal Doxorubicin |
|-----------------------|-----------------------|

Reporting group description:

40 mg/m² of liposomal doxorubicin was administered according to the manufacturer's instructions every 4 weeks (28 days). Treatment continued until there is evidence of PD or development of unacceptable toxicity up to 130 weeks.

Upon disease progression the participant had the option to receive Olaratumab monotherapy.

| Reporting group values | Olaratumab + Liposomal Doxorubicin | Liposomal Doxorubicin | Total |
|--|------------------------------------|-----------------------|-------|
| Number of subjects | 63 | 62 | 125 |
| Age categorical | | | |
| Units: Subjects | | | |
| In utero | 0 | 0 | 0 |
| Preterm newborn infants (gestational age < 37 wks) | 0 | 0 | 0 |
| Newborns (0-27 days) | 0 | 0 | 0 |
| Infants and toddlers (28 days-23 months) | 0 | 0 | 0 |
| Children (2-11 years) | 0 | 0 | 0 |
| Adolescents (12-17 years) | 0 | 0 | 0 |
| Adults (18-64 years) | 47 | 43 | 90 |
| From 65-84 years | 16 | 19 | 35 |
| 85 years and over | 0 | 0 | 0 |
| Age Continuous | | | |
| Units: years | | | |
| arithmetic mean | 58.7 | 59.8 | |
| standard deviation | ± 10.07 | ± 9.7 | - |
| Gender, Male/Female | | | |
| Units: participants | | | |
| Female | 63 | 62 | 125 |
| Male | 0 | 0 | 0 |
| Ethnicity (NIH/OMB) | | | |
| Units: Subjects | | | |
| Hispanic or Latino | 1 | 6 | 7 |
| Not Hispanic or Latino | 62 | 55 | 117 |
| Unknown or Not Reported | 0 | 1 | 1 |
| Race/Ethnicity, Customized | | | |
| Units: Subjects | | | |
| Asian | 1 | 3 | 4 |

| | | | |
|---|----|----|-----|
| Black or African American | 5 | 1 | 6 |
| Native Hawaiian of Other Pacific Islander | 0 | 1 | 1 |
| White | 55 | 55 | 110 |
| Other | 2 | 2 | 4 |
| Region of Enrollment | | | |
| Units: Subjects | | | |
| United States | 41 | 34 | 75 |
| United Kingdom | 17 | 14 | 31 |
| Spain | 5 | 14 | 19 |
| Eastern Cooperative Oncology Group (ECOG) Performance Status (PS) | | | |
| ECOG PS classified participants according to their functional impairment. | | | |
| Units: Subjects | | | |
| 0-Fully Active | 38 | 32 | 70 |
| 1-ambulatory, able to do light/sedentary nature | 25 | 30 | 55 |
| Stratification Factor | | | |
| Participants reaction to prior platinum treatment. | | | |
| Units: Subjects | | | |
| Platinum Refractory | 16 | 15 | 31 |
| Platinum Resistant | 47 | 47 | 94 |

End points

End points reporting groups

| | |
|-----------------------|------------------------------------|
| Reporting group title | Olaratumab + Liposomal Doxorubicin |
|-----------------------|------------------------------------|

Reporting group description:

20 milligrams per kilogram (mg/kg) of Olaratumab was administered as an intravenous (IV) infusion every 2 weeks (14 days) until there was evidence of progressive disease (PD) or development of unacceptable toxicity.

40 milligrams per square meter (mg/m²) of liposomal doxorubicin was administered according to the manufacturer's instructions every 4 weeks (28 days) until there was evidence of PD or development of unacceptable toxicity.

| | |
|-----------------------|-----------------------|
| Reporting group title | Liposomal Doxorubicin |
|-----------------------|-----------------------|

Reporting group description:

40 mg/m² of liposomal doxorubicin was administered according to the manufacturer's instructions every 4 weeks (28 days). Treatment continued until there is evidence of PD or development of unacceptable toxicity up to 130 weeks.

Upon disease progression the participant had the option to receive Olaratumab monotherapy.

| | |
|-----------------------|---------------------------------|
| Reporting group title | Optional Olaratumab Monotherapy |
|-----------------------|---------------------------------|

Reporting group description:

20 milligrams per kilogram (mg/kg) of Olaratumab was administered as an intravenous (IV) infusion every 2 weeks (14 days) until there was evidence of progressive disease (PD) or development of unacceptable toxicity.

| | |
|----------------------------|--------------------------------------|
| Subject analysis set title | Olaratumab and Liposomal Doxorubicin |
|----------------------------|--------------------------------------|

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

Subject analysis set description:

20 mg/kg of Olaratumab was administered as an IV infusion every 2 weeks (14 days) until there was evidence of PD or development of unacceptable toxicity up to 130 weeks.

40 mg/m² of liposomal doxorubicin was administered according to the manufacturer's instructions every 4 weeks (28 days) until there was evidence of PD or development of unacceptable toxicity.

| | |
|----------------------------|--------------------------------------|
| Subject analysis set title | Olaratumab and Liposomal Doxorubicin |
|----------------------------|--------------------------------------|

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

Subject analysis set description:

20 mg/kg of Olaratumab was administered as an IV infusion every 2 weeks (14 days) until there was evidence of PD or development of unacceptable toxicity up to 130 weeks.

40 mg/m² of liposomal doxorubicin was administered according to the manufacturer's instructions every 4 weeks (28 days) until there was evidence of PD or development of unacceptable toxicity.

| | |
|----------------------------|--------------------------------------|
| Subject analysis set title | Olaratumab and Liposomal Doxorubicin |
|----------------------------|--------------------------------------|

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

Subject analysis set description:

20 mg/kg of Olaratumab was administered as an IV infusion every 2 weeks (14 days) until there was evidence of PD or development of unacceptable toxicity up to 130 weeks.

40 mg/m² of liposomal doxorubicin was administered according to the manufacturer's instructions every 4 weeks (28 days) until there was evidence of PD or development of unacceptable toxicity.

Primary: Progression-Free Survival (PFS)

| | |
|-----------------|---------------------------------|
| End point title | Progression-Free Survival (PFS) |
|-----------------|---------------------------------|

End point description:

PFS is defined as the time from the day of randomization to the first evidence of progression as defined by Response Evaluation Criteria in Solid Tumors version 1.0 (RECIST v1.0) criteria or death from any cause. Participants who died without a reported prior disease progression were considered to have progressed on the day of their death. Participants who did not progress and were subsequently lost to follow-up had their data censored at the day of last tumor assessment.

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

End point timeframe:

Randomization to Progressive Disease (PD) or Date of Death (Up to 35 Months)

| End point values | Olaratumab + Liposomal Doxorubicin | Liposomal Doxorubicin | | |
|----------------------------------|------------------------------------|-----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 62 ^[1] | 61 ^[2] | | |
| Units: weeks | | | | |
| median (confidence interval 90%) | 18.1 (8.7 to 27) | 17.3 (14.1 to 31.9) | | |

Notes:

[1] - All randomized participants who received any amount of study drug. Censored participants: 13 and 14.

[2] - All randomized participants who received any amount of study drug. Censored participants: 13 and 14.

Statistical analyses

| Statistical analysis title | Progression Free Survival Statistical Analysis |
|----------------------------|--|
|----------------------------|--|

Statistical analysis description:

PFS is defined as the time from the day of randomization to the first evidence of progression as defined by Response Evaluation Criteria in Solid Tumors version 1.0 (RECIST v1.0) criteria or death from any cause. Participants who died without a reported prior disease progression were considered to have progressed on the day of their death. Participants who did not progress and were subsequently lost to follow-up had their data censored at the day of last tumor assessment.

| | |
|---|--|
| Comparison groups | Olaratumab + Liposomal Doxorubicin v Liposomal Doxorubicin |
| Number of subjects included in analysis | 123 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.8049 ^[3] |
| Method | Logrank |
| Parameter estimate | Hazard ratio (HR) |
| Point estimate | 1.054 |
| Confidence interval | |
| level | 90 % |
| sides | 2-sided |
| lower limit | 0.751 |
| upper limit | 1.478 |

Notes:

[3] - Stratified by prior platinum treatment, platinum-refractory versus platinum-resistance reaction.

Secondary: Overall Survival (OS)

| | |
|-----------------|-----------------------|
| End point title | Overall Survival (OS) |
|-----------------|-----------------------|

End point description:

OS is defined as the time from first day of therapy to the date of death from any cause. Participants who were alive at the end of the follow-up period or were lost to follow-up, OS was censored on the last date the participant was known to be alive.

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

End point timeframe:

First Day of Therapy to Date of Death (Up to 35 Months)

| End point values | Olaratumab + Liposomal Doxorubicin | Liposomal Doxorubicin | | |
|----------------------------------|------------------------------------|-----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 62 ^[4] | 61 | | |
| Units: weeks | | | | |
| median (confidence interval 90%) | 72.3 (52.4 to 86.7) | 70.6 (51.4 to 106.4) | | |

Notes:

[4] - All randomized participants who received any amount of study drug. Participants censored: 21 and 23

Statistical analyses

| Statistical analysis title | Overall Survival Statistical Analysis |
|---|--|
| Comparison groups | Olaratumab + Liposomal Doxorubicin v Liposomal Doxorubicin |
| Number of subjects included in analysis | 123 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.6346 ^[5] |
| Method | Logrank |
| Parameter estimate | Hazard ratio (HR) |
| Point estimate | 1.115 |
| Confidence interval | |
| level | 90 % |
| sides | 2-sided |
| lower limit | 0.768 |
| upper limit | 1.618 |

Notes:

[5] - Stratified by prior platinum treatment, platinum-refractory versus platinum-resistance reaction.

Secondary: Percentage of Participants with Complete Response (CR) or Partial Response (PR) [Objective Response Rate (ORR)]

| | |
|-----------------|---|
| End point title | Percentage of Participants with Complete Response (CR) or Partial Response (PR) [Objective Response Rate (ORR)] |
|-----------------|---|

End point description:

The percentage of participants with a best overall response of confirmed CR or PR defined using RECIST v1.0 criteria. CR is the disappearance of all target and non-target lesions and normalization of cancer antigen-125 (CA-125) levels. PR is defined as having a $\geq 30\%$ decrease in the sum of the longest diameter (LD) of target lesions taking as reference the baseline sum LD. The percentage of participants with objective response was calculated as: (number of participants whose best overall response of CR or PR/number of participants treated) * 100.

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

End point timeframe:

Randomization to PD (Up to 35 Months)

| End point values | Olaratumab + Liposomal Doxorubicin | Liposomal Doxorubicin | | |
|-----------------------------------|------------------------------------|-----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 62 ^[6] | 61 | | |
| Units: percentage of participants | | | | |
| number (confidence interval 90%) | 12.9 (6.6 to 22.1) | 16.4 (9.2 to 26.2) | | |

Notes:

[6] - All randomized participants who received any amount of study drug.

Statistical analyses

| Statistical analysis title | Objective Response Rate (ORR) Statistical Analysis |
|---|--|
| Comparison groups | Olaratumab + Liposomal Doxorubicin v Liposomal Doxorubicin |
| Number of subjects included in analysis | 123 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.619 |
| Method | Fisher exact |

Secondary: Median Duration of Response

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

End point description:

Duration of response is the interval from the date of initial CR or PR until the first date criteria for PD is met using RECIST v1.0 criteria, or initiation of other (or additional) antitumor therapy is first reported, or death due to any cause. CR is the disappearance of all target and non-target lesions and the normalization of tumor marker levels. PR is a $\geq 30\%$ decrease in the sum of the LD of target lesions without new lesions and progression of non-target lesions. PD is a $\geq 20\%$ increase in the sum of the LD of target lesions and/or unequivocal progression of existing non-target lesions and/or detection of 1 or more new lesions. Participants who did not relapse were censored on the day of their last tumor assessment.

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

End point timeframe:

Date of Initial CR or PR to PD (Up to 35 Months)

| End point values | Olaratumab + Liposomal Doxorubicin | Liposomal Doxorubicin | | |
|----------------------------------|------------------------------------|-----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 8 ^[7] | 10 ^[8] | | |
| Units: weeks | | | | |
| number (confidence interval 90%) | 39.1 (26.1 to 56.1) | 16.9 (15.3 to 9999) | | |

Notes:

[7] - All participants who achieved CR or PR. Participants censored: Olaratumab=2, Liposomal Doxorubicin=4

[8] - 9999=N/A. Upper limit of confidence interval (CI) not estimable, did not reach the upper limit of CI

Statistical analyses

No statistical analyses for this end point

Secondary: Number of Participants with Adverse Events (AEs) and who died

| | |
|-----------------|---|
| End point title | Number of Participants with Adverse Events (AEs) and who died |
|-----------------|---|

End point description:

Reported are the number of participants with clinically significant events, defined as serious AEs (SAEs) and other non-serious AEs regardless of causality and those who died during treatment and during the 30-day post-dose follow-up. A summary of SAEs and other non-serious AEs regardless of causality is located in the Reported Adverse Events module of this report.

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

End point timeframe:

Baseline Up to End of Treatment and 30-day Post-dose Follow-up (Up to 35 Months)

| End point values | Olaratumab + Liposomal Doxorubicin | Liposomal Doxorubicin | | |
|--|------------------------------------|-----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 62 ^[9] | 61 | | |
| Units: participants | | | | |
| number (not applicable) | | | | |
| SAEs | 27 | 23 | | |
| Other Non-SAEs | 62 | 60 | | |
| Deaths on treatment or within 30 days of last dose | 2 | 2 | | |

Notes:

[9] - All randomized participants who received any amount of study drug.

Statistical analyses

No statistical analyses for this end point

Secondary: Percentage of Participants with Anti-Olaratumab Antibodies

| | |
|-----------------|--|
| End point title | Percentage of Participants with Anti-Olaratumab Antibodies |
|-----------------|--|

End point description:

Participants with Treatment Emergent (TE) anti-olaratumab antibodies were participants with a 4-fold increase (2 dilutions) increase over a positive baseline antibody titer or for a negative baseline titer, a participant with an increase from the baseline to a level of 1:20.

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

End point timeframe:

Baseline Up to 30-Day Postdose Follow-Up (Up To 35 Months)

| End point values | Olaratumab + Liposomal Doxorubicin | Liposomal Doxorubicin | | |
|-----------------------------------|------------------------------------|-----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 57 ^[10] | 20 ^[11] | | |
| Units: percentage of participants | | | | |
| number (not applicable) | 1.8 | 0 | | |

Notes:

[10] - All randomized participants who received at least one dose of study drug and had evaluable data.

[11] - All randomized participants who received at least one dose of study drug and had evaluable data.

Statistical analyses

No statistical analyses for this end point

Secondary: Area under the curve (AUC) of Olaratumab

| | |
|-----------------|--|
| End point title | Area under the curve (AUC) of Olaratumab |
|-----------------|--|

End point description:

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

End point timeframe:

Prior to and 1 Hour (h) After Olaratumab Infusion in Cycles 1, 2, and 4 and 48 h or 72 h, 144 h, 240 h or 264 h and 336 h Post-dose in Cycles 1 and 4 (28-day Cycles)

| End point values | Olaratumab + Liposomal Doxorubicin | Liposomal Doxorubicin | Optional Olaratumab Monotherapy | |
|-----------------------------|------------------------------------|-----------------------|---------------------------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 0 ^[12] | 0 ^[13] | 0 ^[14] | |
| Units: number | | | | |
| number (not applicable) | | | | |

Notes:

[12] - Zero participants were analyzed. Due to technical reasons not related to safety or efficacy.

[13] - Zero participants were analyzed. Due to technical reasons not related to safety or efficacy.

[14] - Zero participants were analyzed. Due to technical reasons not related to safety or efficacy.

Statistical analyses

No statistical analyses for this end point

Secondary: PFS of Participants who Received Olaratumab after Liposomal Doxorubicin monotherapy (Descriptive statistics for safety and efficacy for participants who continue on Olaratumab monotherapy following disease progression on liposomal doxorubicin monotherapy)

| | |
|-----------------|---|
| End point title | PFS of Participants who Received Olaratumab after Liposomal Doxorubicin monotherapy (Descriptive statistics for safety and efficacy for participants who continue on Olaratumab monotherapy following disease progression on liposomal doxorubicin monotherapy) |
|-----------------|---|

End point description:

PFS is defined as the time from start of Olaratumab monotherapy to the first evidence of progression as defined by RECIST v1.0 criteria or death from any cause. Participants who died without a reported prior disease progression were considered to have progressed on the day of their death. Participants who did

not progress and were subsequently lost to follow-up had their data censored at the day of last tumor assessment.

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

End point timeframe:

From Start of Olaratumab Monotherapy to PD or Date of Death (Up to 20 Weeks)

| End point values | Optional Olaratumab Monotherapy | | | |
|----------------------------------|---------------------------------------|--|--|--|
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 28 | | | |
| Units: weeks | | | | |
| median (confidence interval 90%) | 7.7 (7.1 to 10.4) | | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Maximum Concentration (Cmax) of Olaratumab

| | |
|-----------------|--|
| End point title | Maximum Concentration (Cmax) of Olaratumab |
|-----------------|--|

End point description:

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

End point timeframe:

Prior to and 1 h after Olaratumab Infusion in Cycles 1, 2, and 4 and 48 h or 72 h, 144 h, 240 h or 264 h and 336 h Post-dose in Cycles 1 and 4 (28-day Cycles)

| End point values | Olaratumab + Liposomal Doxorubicin | Liposomal Doxorubicin | Optional Olaratumab Monotherapy | |
|-----------------------------|--|--------------------------|---------------------------------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 0 ^[15] | 0 ^[16] | 0 ^[17] | |
| Units: number | | | | |
| number (not applicable) | | | | |

Notes:

[15] - Zero participants were analyzed. Due to technical reasons not related to safety or efficacy.

[16] - Zero participants were analyzed. Due to technical reasons not related to safety or efficacy.

[17] - Zero participants were analyzed. Due to technical reasons not related to safety or efficacy.

Statistical analyses

No statistical analyses for this end point

Secondary: Half-life (t_{1/2}) of Olaratumab

| | |
|-----------------|---|
| End point title | Half-life (t _{1/2}) of Olaratumab |
|-----------------|---|

End point description:

The time it takes to reduce the concentration of Olaratumab in the plasma by 50%.

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

End point timeframe:

Prior to and 1 h after Olaratumab Infusion in Cycles 1, 2, and 4 and 48 h or 72 h, 144 h, 240 h or 264 h and 336 h Post-dose in Cycles 1 and 4 (28-day Cycles)

| End point values | Olaratumab + Liposomal Doxorubicin | Liposomal Doxorubicin | Optional Olaratumab Monotherapy | |
|-----------------------------|------------------------------------|-----------------------|---------------------------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 0 ^[18] | 0 ^[19] | 0 ^[20] | |
| Units: number | | | | |
| number (not applicable) | | | | |

Notes:

[18] - Zero participants were analyzed. Due to technical reasons not related to safety or efficacy.

[19] - Zero participants were analyzed. Due to technical reasons not related to safety or efficacy.

[20] - Zero participants were analyzed. Due to technical reasons not related to safety or efficacy.

Statistical analyses

No statistical analyses for this end point

Secondary: Clearance (CL) of Olaratumab

| | |
|-----------------|------------------------------|
| End point title | Clearance (CL) of Olaratumab |
|-----------------|------------------------------|

End point description:

CL is the volume of serum cleared of Olaratumab per unit of time after a single dose of Olaratumab

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

End point timeframe:

Prior to and 1 h after Olaratumab Infusion in Cycles 1, 2, and 4 and 48 h or 72 h, 144 h, 240 h or 264 h and 336 h Post-dose in Cycles 1 and 4 (28-day Cycles)

| End point values | Olaratumab + Liposomal Doxorubicin | Liposomal Doxorubicin | Optional Olaratumab Monotherapy | |
|-----------------------------|------------------------------------|-----------------------|---------------------------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 0 ^[21] | 0 ^[22] | 0 ^[23] | |
| Units: number | | | | |
| number (not applicable) | | | | |

Notes:

[21] - Zero participants were analyzed. Due to technical reasons not related to safety or efficacy.

[22] - Zero participants were analyzed. Due to technical reasons not related to safety or efficacy.

[23] - Zero participants were analyzed. Due to technical reasons not related to safety or efficacy.

Statistical analyses

No statistical analyses for this end point

Secondary: Apparent Volume of distribution (Vss) of Olaratumab

| | |
|-----------------|---|
| End point title | Apparent Volume of distribution (Vss) of Olaratumab |
|-----------------|---|

End point description:

Vss is an estimate of drug distribution independent of the elimination process and is proportional to the amount of drug in the body versus the drug plasma concentration at steady-state.

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

End point timeframe:

Prior to and 1 h after Olaratumab Infusion in Cycles 1, 2, and 4 and 48 h or 72 h, 144 h, 240 h or 264 h and 336 h Post-dose in Cycles 1 and 4 (28-day Cycles)

| End point values | Olaratumab + Liposomal Doxorubicin | Liposomal Doxorubicin | Optional Olaratumab Monotherapy | |
|-----------------------------|------------------------------------|-----------------------|---------------------------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 0 ^[24] | 0 ^[25] | 0 ^[26] | |
| Units: number | | | | |
| number (not applicable) | | | | |

Notes:

[24] - Zero participants were analyzed. Due to technical reasons not related to safety or efficacy.

[25] - Zero participants were analyzed. Due to technical reasons not related to safety or efficacy.

[26] - Zero participants were analyzed. Due to technical reasons not related to safety or efficacy.

Statistical analyses

No statistical analyses for this end point

Secondary: PFS for Participants who had Tissue Samples for Platelet Derived Growth Factor Receptor Alpha (PDGFRα) Expression Determined by Immunohistochemistry (IHC) (Association between PDGFRα tumor expression and PFS)

| | |
|-----------------|--|
| End point title | PFS for Participants who had Tissue Samples for Platelet Derived Growth Factor Receptor Alpha (PDGFRα) Expression Determined by Immunohistochemistry (IHC) (Association between PDGFRα tumor expression and PFS) |
|-----------------|--|

End point description:

PFS is defined as the time from the day of randomization to the first evidence of progression as defined by RECIST v1.0 criteria or death from any cause. Participants who died without a reported prior disease progression were considered to have progressed on the day of their death. Participants who did not progress and were subsequently lost to follow-up had their data censored at the day of last tumor assessment. PDGFRα protein expression at baseline in tumor cells is determined by IHC using H-Scores and a cut point of 0. Participants were considered to have a high relative expression when H-Score is >0 and a low relative expression when H-Score=0. H-Score was calculated by summing the percentage of cell staining at each intensity multiplied by the weighted intensity of staining. Staining intensity: 0 (no staining), 1+ (weak staining), 2+ (medium staining), 3+ (strongest staining). H-Scores could range from 0-300.

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

End point timeframe:

Randomization to PD or Date of Death (Up to 130 Weeks)

| End point values | Olaratumab + Liposomal Doxorubicin | Liposomal Doxorubicin | | |
|----------------------------------|--|--------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 54 ^[27] | 47 | | |
| Units: weeks | | | | |
| median (confidence interval 95%) | | | | |
| High Expression (n=41, 36) | 21 (8.7 to 34.1) | 17.3 (12.3 to 33.9) | | |
| Low Expression (n=13,11) | 32.7 (7.6 to 41.3) | 24 (8.1 to 36.1) | | |

Notes:

[27] - All participants who had evaluable PDGFRα results.

Statistical analyses

No statistical analyses for this end point

Adverse events

Adverse events information

Timeframe for reporting adverse events:

Entire Study

Adverse event reporting additional description:

I5B-IE-JGDA

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

Dictionary used

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

| | |
|--------------------|------|
| Dictionary version | 14.1 |
|--------------------|------|

Reporting groups

| | |
|-----------------------|------------------------------------|
| Reporting group title | Olaratumab + Liposomal Doxorubicin |
|-----------------------|------------------------------------|

Reporting group description: -

| | |
|-----------------------|---------------------------------|
| Reporting group title | Optional Olaratumab Monotherapy |
|-----------------------|---------------------------------|

Reporting group description: -

| | |
|-----------------------|-----------------------|
| Reporting group title | Liposomal Doxorubicin |
|-----------------------|-----------------------|

Reporting group description: -

| Serious adverse events | Olaratumab + Liposomal Doxorubicin | Optional Olaratumab Monotherapy | Liposomal Doxorubicin |
|--|------------------------------------|---------------------------------|-----------------------|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 27 / 62 (43.55%) | 14 / 28 (50.00%) | 23 / 61 (37.70%) |
| number of deaths (all causes) | 0 | 0 | 0 |
| number of deaths resulting from adverse events | 0 | 0 | 0 |
| Vascular disorders | | | |
| venous thrombosis | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 0 / 28 (0.00%) | 1 / 61 (1.64%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| General disorders and administration site conditions | | | |
| chills | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 1 / 62 (1.61%) | 0 / 28 (0.00%) | 0 / 61 (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 |
| disease progression | | | |
| alternative dictionary used: MedDRA 14.1 | | | |

| | | | |
|---|----------------|----------------|----------------|
| subjects affected / exposed | 0 / 62 (0.00%) | 0 / 28 (0.00%) | 1 / 61 (1.64%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| extravasation | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 0 / 28 (0.00%) | 1 / 61 (1.64%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| infusion site erythema | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 0 / 28 (0.00%) | 1 / 61 (1.64%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| mucosal inflammation | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 1 / 28 (3.57%) | 0 / 61 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| pyrexia | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 2 / 62 (3.23%) | 2 / 28 (7.14%) | 0 / 61 (0.00%) |
| occurrences causally related to treatment / all | 1 / 2 | 0 / 2 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Immune system disorders | | | |
| hypersensitivity | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 1 / 28 (3.57%) | 0 / 61 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Respiratory, thoracic and mediastinal disorders | | | |
| dyspnoea | | | |
| alternative dictionary used: MedDRA 14.1 | | | |

| | | | |
|---|----------------|----------------|----------------|
| subjects affected / exposed | 0 / 62 (0.00%) | 1 / 28 (3.57%) | 0 / 61 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| interstitial lung disease | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 0 / 28 (0.00%) | 1 / 61 (1.64%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| pleural effusion | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 1 / 28 (3.57%) | 0 / 61 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| pulmonary embolism | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 2 / 62 (3.23%) | 0 / 28 (0.00%) | 4 / 61 (6.56%) |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 0 | 0 / 4 |
| deaths causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 0 |
| Psychiatric disorders | | | |
| bradyphrenia | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 1 / 62 (1.61%) | 0 / 28 (0.00%) | 0 / 61 (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 |
| Injury, poisoning and procedural complications | | | |
| femur fracture | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 0 / 28 (0.00%) | 1 / 61 (1.64%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 2 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| incorrect drug administration duration | | | |
| alternative dictionary used: MedDRA 14.1 | | | |

| | | | |
|---|----------------|----------------|----------------|
| subjects affected / exposed | 1 / 62 (1.61%) | 0 / 28 (0.00%) | 0 / 61 (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 |
| medication error | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 1 / 62 (1.61%) | 1 / 28 (3.57%) | 0 / 61 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Congenital, familial and genetic disorders | | | |
| pyloric stenosis | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 0 / 28 (0.00%) | 1 / 61 (1.64%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Cardiac disorders | | | |
| cardiac failure congestive | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 0 / 28 (0.00%) | 1 / 61 (1.64%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| coronary artery stenosis | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 1 / 62 (1.61%) | 0 / 28 (0.00%) | 0 / 61 (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 |
| Nervous system disorders | | | |
| dizziness | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 0 / 28 (0.00%) | 1 / 61 (1.64%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| haemorrhage intracranial | | | |
| alternative dictionary used: MedDRA 14.1 | | | |

| | | | |
|---|----------------|----------------|----------------|
| subjects affected / exposed | 1 / 62 (1.61%) | 0 / 28 (0.00%) | 0 / 61 (0.00%) |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 1 / 1 | 0 / 0 | 0 / 0 |
| syncope | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 1 / 62 (1.61%) | 0 / 28 (0.00%) | 0 / 61 (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 |
| Blood and lymphatic system disorders | | | |
| anaemia | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 1 / 62 (1.61%) | 1 / 28 (3.57%) | 1 / 61 (1.64%) |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 1 | 0 / 2 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Gastrointestinal disorders | | | |
| abdominal discomfort | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 1 / 62 (1.61%) | 0 / 28 (0.00%) | 0 / 61 (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 |
| abdominal distension | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 2 / 62 (3.23%) | 0 / 28 (0.00%) | 2 / 61 (3.28%) |
| occurrences causally related to treatment / all | 0 / 4 | 0 / 0 | 0 / 2 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| abdominal pain | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 1 / 28 (3.57%) | 3 / 61 (4.92%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | 0 / 3 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| ascites | | | |
| alternative dictionary used: MedDRA 14.1 | | | |

| | | | |
|---|----------------|----------------|----------------|
| subjects affected / exposed | 0 / 62 (0.00%) | 0 / 28 (0.00%) | 3 / 61 (4.92%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 4 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| constipation | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 1 / 62 (1.61%) | 0 / 28 (0.00%) | 2 / 61 (3.28%) |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | 0 / 2 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| diarrhoea | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 1 / 62 (1.61%) | 0 / 28 (0.00%) | 0 / 61 (0.00%) |
| occurrences causally related to treatment / all | 3 / 4 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| duodenal stenosis | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 1 / 28 (3.57%) | 0 / 61 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| gastrointestinal obstruction | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 1 / 28 (3.57%) | 0 / 61 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| ileus | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 0 / 28 (0.00%) | 2 / 61 (3.28%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 2 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| intestinal obstruction | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 3 / 62 (4.84%) | 1 / 28 (3.57%) | 2 / 61 (3.28%) |
| occurrences causally related to treatment / all | 0 / 3 | 0 / 1 | 0 / 3 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |

| | | | |
|--|----------------|----------------|----------------|
| nausea | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 1 / 62 (1.61%) | 2 / 28 (7.14%) | 1 / 61 (1.64%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 2 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| proctitis | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 1 / 62 (1.61%) | 0 / 28 (0.00%) | 0 / 61 (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 |
| rectal haemorrhage | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 1 / 28 (3.57%) | 0 / 61 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| small intestinal obstruction | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 1 / 62 (1.61%) | 0 / 28 (0.00%) | 4 / 61 (6.56%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 4 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| vomiting | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 3 / 62 (4.84%) | 2 / 28 (7.14%) | 3 / 61 (4.92%) |
| occurrences causally related to treatment / all | 1 / 3 | 0 / 2 | 0 / 3 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Hepatobiliary disorders | | | |
| bile duct obstruction | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 1 / 28 (3.57%) | 0 / 61 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Renal and urinary disorders | | | |
| hydronephrosis | | | |
| alternative dictionary used: MedDRA 14.1 | | | |

| | | | |
|---|----------------|----------------|----------------|
| subjects affected / exposed | 1 / 62 (1.61%) | 1 / 28 (3.57%) | 1 / 61 (1.64%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| renal failure | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 0 / 28 (0.00%) | 1 / 61 (1.64%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| renal failure acute | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 1 / 62 (1.61%) | 0 / 28 (0.00%) | 0 / 61 (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 |
| Musculoskeletal and connective tissue disorders | | | |
| flank pain | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 1 / 28 (3.57%) | 0 / 61 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Infections and infestations | | | |
| bacillus infection | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 0 / 28 (0.00%) | 1 / 61 (1.64%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| cellulitis | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 0 / 28 (0.00%) | 1 / 61 (1.64%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| device related infection | | | |
| alternative dictionary used: MedDRA 14.1 | | | |

| | | | |
|---|----------------|----------------|----------------|
| subjects affected / exposed | 2 / 62 (3.23%) | 0 / 28 (0.00%) | 1 / 61 (1.64%) |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| febrile infection | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 0 / 28 (0.00%) | 1 / 61 (1.64%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| gastroenteritis | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 0 / 28 (0.00%) | 1 / 61 (1.64%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| infection | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 2 / 62 (3.23%) | 0 / 28 (0.00%) | 1 / 61 (1.64%) |
| occurrences causally related to treatment / all | 1 / 2 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| pharyngitis | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 1 / 28 (3.57%) | 0 / 61 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| pneumonia | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 1 / 62 (1.61%) | 0 / 28 (0.00%) | 0 / 61 (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 |
| urinary tract infection | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 0 / 28 (0.00%) | 2 / 61 (3.28%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 2 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |

| | | | |
|--|----------------|----------------|----------------|
| urinary tract infection fungal | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 0 / 28 (0.00%) | 1 / 61 (1.64%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| urosepsis | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 1 / 62 (1.61%) | 0 / 28 (0.00%) | 0 / 61 (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 |
| viral infection | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 1 / 62 (1.61%) | 0 / 28 (0.00%) | 0 / 61 (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 |
| Metabolism and nutrition disorders | | | |
| decreased appetite | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 1 / 62 (1.61%) | 0 / 28 (0.00%) | 1 / 61 (1.64%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| dehydration | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 3 / 62 (4.84%) | 0 / 28 (0.00%) | 1 / 61 (1.64%) |
| occurrences causally related to treatment / all | 1 / 3 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |

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

| Non-serious adverse events | Olaratumab + Liposomal Doxorubicin | Optional Olaratumab Monotherapy | Liposomal Doxorubicin |
|--|--|------------------------------------|--------------------------|
| Total subjects affected by non-serious adverse events | | | |
| subjects affected / exposed | 62 / 62 (100.00%) | 27 / 28 (96.43%) | 60 / 61 (98.36%) |
| Vascular disorders | | | |

| | | | |
|---|------------------------|----------------------|------------------------|
| flushing alternative dictionary used: MedDRA 14.1 subjects affected / exposed occurrences (all) | 4 / 62 (6.45%) 4 | 0 / 28 (0.00%) 0 | 1 / 61 (1.64%) 1 |
| hypertension alternative dictionary used: MedDRA 14.1 subjects affected / exposed occurrences (all) | 4 / 62 (6.45%) 4 | 1 / 28 (3.57%) 1 | 3 / 61 (4.92%) 3 |
| hypotension alternative dictionary used: MedDRA 14.1 subjects affected / exposed occurrences (all) | 4 / 62 (6.45%) 5 | 0 / 28 (0.00%) 0 | 1 / 61 (1.64%) 1 |
| General disorders and administration site conditions | | | |
| asthenia alternative dictionary used: MedDRA 14.1 subjects affected / exposed occurrences (all) | 8 / 62 (12.90%) 11 | 4 / 28 (14.29%) 6 | 11 / 61 (18.03%) 21 |
| early satiety alternative dictionary used: MedDRA 14.1 subjects affected / exposed occurrences (all) | 3 / 62 (4.84%) 3 | 0 / 28 (0.00%) 0 | 4 / 61 (6.56%) 4 |
| fatigue alternative dictionary used: MedDRA 14.1 subjects affected / exposed occurrences (all) | 33 / 62 (53.23%) 64 | 5 / 28 (17.86%) 6 | 27 / 61 (44.26%) 50 |
| mucosal inflammation alternative dictionary used: MedDRA 14.1 subjects affected / exposed occurrences (all) | 12 / 62 (19.35%) 19 | 2 / 28 (7.14%) 3 | 15 / 61 (24.59%) 38 |
| oedema peripheral alternative dictionary used: MedDRA 14.1 subjects affected / exposed occurrences (all) | 10 / 62 (16.13%) 13 | 3 / 28 (10.71%) 3 | 12 / 61 (19.67%) 16 |
| pyrexia alternative dictionary used: | | | |

| | | | |
|---|------------------|-----------------|------------------|
| MedDRA 14.1 | | | |
| subjects affected / exposed | 8 / 62 (12.90%) | 3 / 28 (10.71%) | 7 / 61 (11.48%) |
| occurrences (all) | 15 | 3 | 7 |
| Respiratory, thoracic and mediastinal disorders | | | |
| cough | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 10 / 62 (16.13%) | 2 / 28 (7.14%) | 7 / 61 (11.48%) |
| occurrences (all) | 10 | 2 | 7 |
| dyspnoea | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 10 / 62 (16.13%) | 4 / 28 (14.29%) | 10 / 61 (16.39%) |
| occurrences (all) | 11 | 4 | 12 |
| oropharyngeal pain | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 5 / 62 (8.06%) | 0 / 28 (0.00%) | 3 / 61 (4.92%) |
| occurrences (all) | 5 | 0 | 4 |
| pleural effusion | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 6 / 62 (9.68%) | 2 / 28 (7.14%) | 4 / 61 (6.56%) |
| occurrences (all) | 11 | 3 | 4 |
| Psychiatric disorders | | | |
| anxiety | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 7 / 62 (11.29%) | 0 / 28 (0.00%) | 6 / 61 (9.84%) |
| occurrences (all) | 7 | 0 | 6 |
| insomnia | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 5 / 62 (8.06%) | 1 / 28 (3.57%) | 3 / 61 (4.92%) |
| occurrences (all) | 5 | 1 | 3 |
| Investigations | | | |
| haemoglobin decreased | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 7 / 62 (11.29%) | 2 / 28 (7.14%) | 4 / 61 (6.56%) |
| occurrences (all) | 8 | 3 | 4 |
| neutrophil count decreased | | | |

| | | | |
|--|-----------------------------------|---------------------------------|-----------------------------------|
| <p>alternative dictionary used: MedDRA 14.1</p> <p>subjects affected / exposed</p> <p>occurrences (all)</p> | <p>3 / 62 (4.84%)</p> <p>6</p> | <p>0 / 28 (0.00%)</p> <p>0</p> | <p>5 / 61 (8.20%)</p> <p>5</p> |
| <p>weight decreased</p> <p>alternative dictionary used: MedDRA 14.1</p> <p>subjects affected / exposed</p> <p>occurrences (all)</p> | <p>9 / 62 (14.52%)</p> <p>10</p> | <p>1 / 28 (3.57%)</p> <p>1</p> | <p>4 / 61 (6.56%)</p> <p>4</p> |
| <p>white blood cell count decreased</p> <p>alternative dictionary used: MedDRA 14.1</p> <p>subjects affected / exposed</p> <p>occurrences (all)</p> | <p>6 / 62 (9.68%)</p> <p>27</p> | <p>0 / 28 (0.00%)</p> <p>0</p> | <p>3 / 61 (4.92%)</p> <p>3</p> |
| <p>Nervous system disorders</p> <p>dizziness</p> <p>alternative dictionary used: MedDRA 14.1</p> <p>subjects affected / exposed</p> <p>occurrences (all)</p> | <p>10 / 62 (16.13%)</p> <p>12</p> | <p>1 / 28 (3.57%)</p> <p>1</p> | <p>10 / 61 (16.39%)</p> <p>13</p> |
| <p>dysgeusia</p> <p>alternative dictionary used: MedDRA 14.1</p> <p>subjects affected / exposed</p> <p>occurrences (all)</p> | <p>10 / 62 (16.13%)</p> <p>12</p> | <p>0 / 28 (0.00%)</p> <p>0</p> | <p>3 / 61 (4.92%)</p> <p>6</p> |
| <p>headache</p> <p>alternative dictionary used: MedDRA 14.1</p> <p>subjects affected / exposed</p> <p>occurrences (all)</p> | <p>12 / 62 (19.35%)</p> <p>18</p> | <p>6 / 28 (21.43%)</p> <p>7</p> | <p>7 / 61 (11.48%)</p> <p>8</p> |
| <p>lethargy</p> <p>alternative dictionary used: MedDRA 14.1</p> <p>subjects affected / exposed</p> <p>occurrences (all)</p> | <p>6 / 62 (9.68%)</p> <p>10</p> | <p>0 / 28 (0.00%)</p> <p>0</p> | <p>4 / 61 (6.56%)</p> <p>6</p> |
| <p>neuropathy peripheral</p> <p>alternative dictionary used: MedDRA 14.1</p> <p>subjects affected / exposed</p> <p>occurrences (all)</p> | <p>5 / 62 (8.06%)</p> <p>6</p> | <p>0 / 28 (0.00%)</p> <p>0</p> | <p>2 / 61 (3.28%)</p> <p>4</p> |
| <p>paraesthesia</p> <p>alternative dictionary used: MedDRA 14.1</p> | | | |

| | | | |
|---|------------------|-----------------|------------------|
| subjects affected / exposed | 3 / 62 (4.84%) | 0 / 28 (0.00%) | 6 / 61 (9.84%) |
| occurrences (all) | 4 | 0 | 7 |
| tremor | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 4 / 62 (6.45%) | 0 / 28 (0.00%) | 0 / 61 (0.00%) |
| occurrences (all) | 4 | 0 | 0 |
| Blood and lymphatic system disorders | | | |
| anaemia | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 10 / 62 (16.13%) | 6 / 28 (21.43%) | 13 / 61 (21.31%) |
| occurrences (all) | 21 | 8 | 23 |
| leukopenia | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 6 / 62 (9.68%) | 0 / 28 (0.00%) | 2 / 61 (3.28%) |
| occurrences (all) | 10 | 0 | 2 |
| lymphadenopathy | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 4 / 62 (6.45%) | 0 / 28 (0.00%) | 0 / 61 (0.00%) |
| occurrences (all) | 5 | 0 | 0 |
| neutropenia | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 16 / 62 (25.81%) | 2 / 28 (7.14%) | 8 / 61 (13.11%) |
| occurrences (all) | 67 | 3 | 23 |
| Gastrointestinal disorders | | | |
| abdominal discomfort | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 1 / 62 (1.61%) | 2 / 28 (7.14%) | 3 / 61 (4.92%) |
| occurrences (all) | 1 | 2 | 3 |
| abdominal distension | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 14 / 62 (22.58%) | 5 / 28 (17.86%) | 6 / 61 (9.84%) |
| occurrences (all) | 18 | 5 | 8 |
| abdominal pain | | | |
| alternative dictionary used: MedDRA 14.1 | | | |

| | | | |
|---|------------------|-----------------|------------------|
| subjects affected / exposed | 15 / 62 (24.19%) | 3 / 28 (10.71%) | 25 / 61 (40.98%) |
| occurrences (all) | 22 | 3 | 35 |
| abdominal pain lower | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 4 / 62 (6.45%) | 2 / 28 (7.14%) | 5 / 61 (8.20%) |
| occurrences (all) | 4 | 3 | 6 |
| abdominal pain upper | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 10 / 62 (16.13%) | 2 / 28 (7.14%) | 7 / 61 (11.48%) |
| occurrences (all) | 11 | 3 | 8 |
| ascites | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 12 / 62 (19.35%) | 5 / 28 (17.86%) | 6 / 61 (9.84%) |
| occurrences (all) | 17 | 6 | 9 |
| constipation | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 32 / 62 (51.61%) | 7 / 28 (25.00%) | 24 / 61 (39.34%) |
| occurrences (all) | 40 | 8 | 33 |
| diarrhoea | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 19 / 62 (30.65%) | 5 / 28 (17.86%) | 13 / 61 (21.31%) |
| occurrences (all) | 28 | 5 | 16 |
| dry mouth | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 5 / 62 (8.06%) | 0 / 28 (0.00%) | 1 / 61 (1.64%) |
| occurrences (all) | 5 | 0 | 1 |
| dyspepsia | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 8 / 62 (12.90%) | 7 / 28 (25.00%) | 7 / 61 (11.48%) |
| occurrences (all) | 14 | 7 | 7 |
| dysphagia | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 4 / 62 (6.45%) | 0 / 28 (0.00%) | 3 / 61 (4.92%) |
| occurrences (all) | 5 | 0 | 5 |

| | | | |
|---|------------------------|------------------------|------------------------|
| flatulence alternative dictionary used: MedDRA 14.1 subjects affected / exposed occurrences (all) | 2 / 62 (3.23%) 2 | 0 / 28 (0.00%) 0 | 4 / 61 (6.56%) 5 |
| gastrooesophageal reflux disease alternative dictionary used: MedDRA 14.1 subjects affected / exposed occurrences (all) | 7 / 62 (11.29%) 7 | 1 / 28 (3.57%) 1 | 6 / 61 (9.84%) 7 |
| nausea alternative dictionary used: MedDRA 14.1 subjects affected / exposed occurrences (all) | 35 / 62 (56.45%) 61 | 13 / 28 (46.43%) 16 | 39 / 61 (63.93%) 61 |
| odynophagia alternative dictionary used: MedDRA 14.1 subjects affected / exposed occurrences (all) | 1 / 62 (1.61%) 2 | 0 / 28 (0.00%) 0 | 4 / 61 (6.56%) 4 |
| stomatitis alternative dictionary used: MedDRA 14.1 subjects affected / exposed occurrences (all) | 23 / 62 (37.10%) 40 | 2 / 28 (7.14%) 2 | 16 / 61 (26.23%) 34 |
| vomiting alternative dictionary used: MedDRA 14.1 subjects affected / exposed occurrences (all) | 21 / 62 (33.87%) 41 | 10 / 28 (35.71%) 12 | 18 / 61 (29.51%) 33 |
| Skin and subcutaneous tissue disorders | | | |
| alopecia alternative dictionary used: MedDRA 14.1 subjects affected / exposed occurrences (all) | 10 / 62 (16.13%) 11 | 1 / 28 (3.57%) 1 | 9 / 61 (14.75%) 10 |
| blister alternative dictionary used: MedDRA 14.1 subjects affected / exposed occurrences (all) | 7 / 62 (11.29%) 11 | 1 / 28 (3.57%) 1 | 7 / 61 (11.48%) 11 |
| dry skin alternative dictionary used: MedDRA 14.1 | | | |

| | | | |
|--|------------------|-----------------|------------------|
| subjects affected / exposed | 8 / 62 (12.90%) | 0 / 28 (0.00%) | 10 / 61 (16.39%) |
| occurrences (all) | 11 | 0 | 11 |
| erythema | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 7 / 62 (11.29%) | 0 / 28 (0.00%) | 8 / 61 (13.11%) |
| occurrences (all) | 7 | 0 | 10 |
| night sweats | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 2 / 28 (7.14%) | 0 / 61 (0.00%) |
| occurrences (all) | 0 | 2 | 0 |
| palmar-plantar erythrodysaesthesia syndrome | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 21 / 62 (33.87%) | 1 / 28 (3.57%) | 27 / 61 (44.26%) |
| occurrences (all) | 54 | 2 | 60 |
| pruritus | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 3 / 62 (4.84%) | 1 / 28 (3.57%) | 5 / 61 (8.20%) |
| occurrences (all) | 3 | 1 | 5 |
| rash | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 24 / 62 (38.71%) | 4 / 28 (14.29%) | 14 / 61 (22.95%) |
| occurrences (all) | 37 | 5 | 34 |
| skin discolouration | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 4 / 62 (6.45%) | 0 / 28 (0.00%) | 2 / 61 (3.28%) |
| occurrences (all) | 4 | 0 | 2 |
| skin hyperpigmentation | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 3 / 62 (4.84%) | 0 / 28 (0.00%) | 6 / 61 (9.84%) |
| occurrences (all) | 4 | 0 | 11 |
| Renal and urinary disorders | | | |
| hydronephrosis | | | |
| alternative dictionary used: MedDRA 14.1 | | | |

| | | | |
|---|------------------|-----------------|-----------------|
| subjects affected / exposed | 1 / 62 (1.61%) | 2 / 28 (7.14%) | 1 / 61 (1.64%) |
| occurrences (all) | 1 | 3 | 1 |
| pollakiuria | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 4 / 62 (6.45%) | 0 / 28 (0.00%) | 2 / 61 (3.28%) |
| occurrences (all) | 5 | 0 | 2 |
| proteinuria | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 7 / 62 (11.29%) | 1 / 28 (3.57%) | 2 / 61 (3.28%) |
| occurrences (all) | 10 | 1 | 2 |
| renal failure | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 0 / 62 (0.00%) | 2 / 28 (7.14%) | 0 / 61 (0.00%) |
| occurrences (all) | 0 | 2 | 0 |
| Musculoskeletal and connective tissue disorders | | | |
| arthralgia | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 11 / 62 (17.74%) | 1 / 28 (3.57%) | 7 / 61 (11.48%) |
| occurrences (all) | 13 | 1 | 8 |
| back pain | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 16 / 62 (25.81%) | 5 / 28 (17.86%) | 9 / 61 (14.75%) |
| occurrences (all) | 18 | 6 | 12 |
| muscle spasms | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 7 / 62 (11.29%) | 3 / 28 (10.71%) | 3 / 61 (4.92%) |
| occurrences (all) | 14 | 3 | 3 |
| musculoskeletal pain | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 4 / 62 (6.45%) | 1 / 28 (3.57%) | 0 / 61 (0.00%) |
| occurrences (all) | 4 | 1 | 0 |
| pain in extremity | | | |
| alternative dictionary used: MedDRA 14.1 | | | |

| | | | |
|---|--|--|---|
| subjects affected / exposed occurrences (all) | 4 / 62 (6.45%) 5 | 1 / 28 (3.57%) 2 | 9 / 61 (14.75%) 9 |
| <p>Infections and infestations</p> <p>candidiasis</p> <p>alternative dictionary used: MedDRA 14.1</p> <p>subjects affected / exposed occurrences (all)</p> <p>oral candidiasis</p> <p>alternative dictionary used: MedDRA 14.1</p> <p>subjects affected / exposed occurrences (all)</p> <p>upper respiratory tract infection</p> <p>alternative dictionary used: MedDRA 14.1</p> <p>subjects affected / exposed occurrences (all)</p> <p>urinary tract infection</p> <p>alternative dictionary used: MedDRA 14.1</p> <p>subjects affected / exposed occurrences (all)</p> | <p>4 / 62 (6.45%) 4</p> <p>2 / 62 (3.23%) 3</p> <p>3 / 62 (4.84%) 4</p> <p>15 / 62 (24.19%) 23</p> | <p>0 / 28 (0.00%) 0</p> <p>2 / 28 (7.14%) 2</p> <p>2 / 28 (7.14%) 2</p> <p>3 / 28 (10.71%) 3</p> | <p>0 / 61 (0.00%) 0</p> <p>2 / 61 (3.28%) 3</p> <p>4 / 61 (6.56%) 5</p> <p>3 / 61 (4.92%) 5</p> |
| <p>Metabolism and nutrition disorders</p> <p>decreased appetite</p> <p>alternative dictionary used: MedDRA 14.1</p> <p>subjects affected / exposed occurrences (all)</p> <p>dehydration</p> <p>alternative dictionary used: MedDRA 14.1</p> <p>subjects affected / exposed occurrences (all)</p> <p>hyperglycaemia</p> <p>alternative dictionary used: MedDRA 14.1</p> <p>subjects affected / exposed occurrences (all)</p> <p>hypokalaemia</p> <p>alternative dictionary used: MedDRA 14.1</p> | <p>15 / 62 (24.19%) 31</p> <p>7 / 62 (11.29%) 7</p> <p>0 / 62 (0.00%) 0</p> | <p>10 / 28 (35.71%) 10</p> <p>1 / 28 (3.57%) 1</p> <p>0 / 28 (0.00%) 0</p> | <p>13 / 61 (21.31%) 19</p> <p>2 / 61 (3.28%) 2</p> <p>4 / 61 (6.56%) 5</p> |

| | | | |
|---|-----------------|-----------------|-----------------|
| subjects affected / exposed | 5 / 62 (8.06%) | 4 / 28 (14.29%) | 7 / 61 (11.48%) |
| occurrences (all) | 8 | 5 | 8 |
| hypomagnesaemia | | | |
| alternative dictionary used: MedDRA 14.1 | | | |
| subjects affected / exposed | 8 / 62 (12.90%) | 2 / 28 (7.14%) | 6 / 61 (9.84%) |
| occurrences (all) | 15 | 3 | 8 |

More information

Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date | Amendment |
|---------------|--|
| 10 March 2010 | Protocol Version 2.0 dated 10-Mar-2010 Changes from Version 1.2 <ul style="list-style-type: none">This protocol is being amended primarily to incorporate new procedures in blood sampling for pharmacodynamic analyses. Additional changes to study procedures have been made and language regarding existing study procedures has been modified for the sake of clarity. |
| 13 April 2010 | Protocol Version 2.1 dated 13-Apr-2010 <ul style="list-style-type: none">This administrative amendment, Version 2.1, was instituted to make clear that all study procedures, with the exception of those performed every 8 weeks (ie, imaging studies/tumor assessments), are performed relative to treatment cycles, and not at fixed intervals. The actual (not planned) administration of each liposomal doxorubicin infusion will define Day 1 of each 28-day treatment cycle. Therefore, treatment delays, for whatever reason, will also cause an equivalent delay in all other study procedures (with the exception of imaging studies/tumor assessments). Language throughout Section 7, Study Activities, was clarified accordingly, and an additional sentence was added to Section 4, Investigational Plan, to provide a definition of "treatment cycle." |

Notes:

Interruptions (globally)

Were there any global interruptions to the trial? No

Limitations and caveats

None reported