

**Clinical trial results:****Phase III Randomized, Open Label Study of Single Agent Ofatumumab vs. Single Agent Rituximab in Indolent B-Cell Non Hodgkin Lymphoma Relapsed After Rituximab Containing Therapy****Summary**

| | |
|--------------------------|-------------------|
| EudraCT number | 2010-018780-42 |
| Trial protocol | SK CZ BG BE FR HU |
| Global end of trial date | 19 December 2016 |

Results information

| | |
|--------------------------------|------------------|
| Result version number | v1 (current) |
| This version publication date | 22 December 2017 |
| First version publication date | 22 December 2017 |

Trial information**Trial identification**

| | |
|-----------------------|--------------|
| Sponsor protocol code | COMB157D2303 |
|-----------------------|--------------|

Additional study identifiers

| | |
|------------------------------------|-------------|
| ISRCTN number | - |
| ClinicalTrials.gov id (NCT number) | NCT01200589 |
| WHO universal trial number (UTN) | - |

Notes:

Sponsors

| | |
|------------------------------|---|
| Sponsor organisation name | Novartis Pharma AG |
| Sponsor organisation address | CH-4002, Basel, Switzerland, |
| Public contact | Clinical Disclosure Office, Novartis Pharma AG, 41 613241111, |
| Scientific contact | Clinical Disclosure Office, Novartis Pharma AG, 41 613241111, |

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 | 19 December 2016 |
| Is this the analysis of the primary completion data? | No |
| Global end of trial reached? | Yes |
| Global end of trial date | 19 December 2016 |
| Was the trial ended prematurely? | Yes |

Notes:

General information about the trial

Main objective of the trial:

To compare PFS following therapy with single agent ofatumumab vs. single agent rituximab in subjects with iNHL that had relapsed after prior rituximab containing therapy.

Protection of trial subjects:

The study was in compliance with the ethical principles derived from the Declaration of Helsinki and the International Conference on Harmonization (ICH) Good Clinical Practice (GCP) guidelines. All the local regulatory requirements pertinent to safety of trial subjects were also followed during the conduct of the trial.

Background therapy: -

Evidence for comparator: -

| | |
|---|-----------------|
| Actual start date of recruitment | 11 October 2010 |
| 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 | Belgium: 26 |
| Country: Number of subjects enrolled | Brazil: 21 |
| Country: Number of subjects enrolled | Bulgaria: 12 |
| Country: Number of subjects enrolled | Canada: 21 |
| Country: Number of subjects enrolled | China: 36 |
| Country: Number of subjects enrolled | Czech Republic: 24 |
| Country: Number of subjects enrolled | France: 33 |
| Country: Number of subjects enrolled | Hungary: 19 |
| Country: Number of subjects enrolled | Japan: 116 |
| Country: Number of subjects enrolled | Korea, Republic of: 15 |
| Country: Number of subjects enrolled | Peru: 8 |
| Country: Number of subjects enrolled | Slovakia: 3 |
| Country: Number of subjects enrolled | South Africa: 12 |
| Country: Number of subjects enrolled | Ukraine: 8 |
| Country: Number of subjects enrolled | United States: 84 |
| Worldwide total number of subjects | 438 |
| EEA total number of subjects | 117 |

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) | 277 |
| From 65 to 84 years | 156 |
| 85 years and over | 5 |

Subject disposition

Recruitment

Recruitment details: -

Pre-assignment

Screening details:

Participants were randomized in a 1:1 ratio to Ofatumumab or Rituximab.

Period 1

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

Arms

| | |
|------------------------------|------------|
| Are arms mutually exclusive? | Yes |
| Arm title | Ofatumumab |

Arm description:

Four weekly doses of single agent ofatumumab 1000 mg by intravenous (i.v.) infusion, followed by ofatumumab 1000 mg i.v. every two months for four additional doses.

| | |
|--|---------------------------------------|
| Arm type | Experimental |
| Investigational medicinal product name | Ofatumumab |
| Investigational medicinal product code | OMB157 |
| Other name | |
| Pharmaceutical forms | Concentrate for solution for infusion |
| Routes of administration | Intravenous use |

Dosage and administration details:

Four weekly doses of single agent ofatumumab 1000 mg by intravenous (i.v.) infusion), followed by ofatumumab 1000 mg i.v. every two months for four additional doses.

| | |
|------------------|-----------|
| Arm title | Rituximab |
|------------------|-----------|

Arm description:

Four weekly doses of single agent rituximab 375 mg/m² i.v., followed by rituximab 375 mg/m² i.v. every two months for four additional doses.

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

Dosage and administration details:

Four weekly doses of single agent rituximab 375 mg/m² i.v., followed by rituximab 375 mg/m² i.v. every two months for four additional doses.

| Number of subjects in period 1 | Ofatumumab | Rituximab |
|---------------------------------------|------------|-----------|
| Started | 219 | 219 |
| Intent-to-treat (ITT) analysis set | 219 | 219 |
| Safety set | 217 | 218 |
| Completed | 29 | 30 |
| Not completed | 190 | 189 |
| Study terminated | 170 | 172 |
| Consent withdrawn by subject | 13 | 11 |
| Physician decision | 2 | 2 |
| Lost to follow-up | 5 | 4 |

Baseline characteristics

Reporting groups

| | |
|-----------------------|------------|
| Reporting group title | Ofatumumab |
|-----------------------|------------|

Reporting group description:

Four weekly doses of single agent ofatumumab 1000 mg by intravenous (i.v.) infusion, followed by ofatumumab 1000 mg i.v. every two months for four additional doses.

| | |
|-----------------------|-----------|
| Reporting group title | Rituximab |
|-----------------------|-----------|

Reporting group description:

Four weekly doses of single agent rituximab 375 mg/m² i.v., followed by rituximab 375 mg/m² i.v. every two months for four additional doses.

| Reporting group values | Ofatumumab | Rituximab | Total |
|--|------------|-----------|-------|
| Number of subjects | 219 | 219 | 438 |
| 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) | 142 | 135 | 277 |
| From 65-84 years | 73 | 83 | 156 |
| 85 years and over | 4 | 1 | 5 |
| Age Continuous | | | |
| Units: Years | | | |
| arithmetic mean | 60.8 | 60.7 | |
| standard deviation | ± 11.27 | ± 11.84 | - |
| Gender, Male/Female | | | |
| Units: Subjects | | | |
| Female | 115 | 109 | 224 |
| Male | 104 | 110 | 214 |

End points

End points reporting groups

| | |
|--|------------|
| Reporting group title | Ofatumumab |
| Reporting group description: | |
| Four weekly doses of single agent ofatumumab 1000 mg by intravenous (i.v.) infusion, followed by ofatumumab 1000 mg i.v. every two months for four additional doses. | |
| Reporting group title | Rituximab |
| Reporting group description: | |
| Four weekly doses of single agent rituximab 375 mg/m ² i.v., followed by rituximab 375 mg/m ² i.v. every two months for four additional doses. | |

Primary: Progression-free survival (PFS) - Number of participants with PFS events

| | |
|---|--|
| End point title | Progression-free survival (PFS) - Number of participants with PFS events |
| End point description: | |
| PFS was defined as the interval of time between the date of randomization and the earlier of the date of disease progression or death due to any cause. Disease response was assessed according to modified 2007 Revised Response Criteria for Malignant Lymphoma (RRCML). Computed tomography (CT) scans of the neck, thorax, abdomen and pelvis were performed as part of the efficacy evaluation. Bone marrow examination to confirm a suspected complete response (CR) was performed within 8 weeks following the onset of a CT scan confirmed CR. The number of patients with PFS events was assessed. | |
| End point type | Primary |
| End point timeframe: | |
| 200 weeks | |

| End point values | Ofatumumab | Rituximab | | |
|-----------------------------|-----------------|-----------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 219 | 219 | | |
| Units: Participants | 114 | 117 | | |

Statistical analyses

| | |
|---|---------------------------|
| Statistical analysis title | Progression Free Survival |
| Comparison groups | Ofatumumab v Rituximab |
| Number of subjects included in analysis | 438 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| Parameter estimate | Hazard ratio (HR) |
| Point estimate | 1.15 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | 0.89 |
| upper limit | 1.49 |

Secondary: Number of participants with complete response (CR)

| | |
|-----------------|--|
| End point title | Number of participants with complete response (CR) |
|-----------------|--|

End point description:

Disease response was assessed according to modified 2007 Revised Response Criteria for Malignant Lymphoma (RRCML). Computed tomography (CT) scans of the neck, thorax, abdomen and pelvis were performed as part of the efficacy evaluation. Bone marrow examination to confirm a suspected complete response (CR) was performed within 8 weeks following the onset of a CT scan confirmed CR.

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

End point timeframe:

200 weeks

| End point values | Ofatumumab | Rituximab | | |
|-----------------------------|-----------------|-----------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 219 | 219 | | |
| Units: Participants | 36 | 44 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Number of participants with overall response (OR)

| | |
|-----------------|---|
| End point title | Number of participants with overall response (OR) |
|-----------------|---|

End point description:

The overall response rate (ORR) was defined as the number of participants achieving a CR or partial response (PR). from start of randomization until disease progression, or the start of a new anti-cancer therapy. Disease response was assessed according to modified 2007 Revised Response Criteria for Malignant Lymphoma (RRCML). Computed tomography (CT) scans of the neck, thorax, abdomen and pelvis were performed as part of the efficacy evaluation. Bone marrow examination to confirm a suspected complete response (CR) was performed within 8 weeks following the onset of a CT scan confirmed CR.

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

End point timeframe:

200 weeks

| End point values | Ofatumumab | Rituximab | | |
|-----------------------------|-----------------|-----------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 219 | 219 | | |
| Units: Participants | 110 | 144 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Overall survival (OS) - Number of deaths

| | |
|-----------------|--|
| End point title | Overall survival (OS) - Number of deaths |
|-----------------|--|

End point description:

OS was defined as the interval of time between the date of randomization and the date of death due to any cause. The number of deaths were assessed.

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

End point timeframe:

200 weeks

| End point values | Ofatumumab | Rituximab | | |
|-----------------------------|-----------------|-----------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 219 | 219 | | |
| Units: Participants | 28 | 30 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Number of participants with infection related adverse events

| | |
|-----------------|--|
| End point title | Number of participants with infection related adverse events |
|-----------------|--|

End point description:

The number of participants with infection related adverse events was assessed.

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

End point timeframe:

200 weeks

| End point values | Ofatumumab | Rituximab | | |
|-----------------------------|-----------------|-----------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 217 | 218 | | |
| Units: Participants | 69 | 81 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Number of participants with infusion related adverse events due to study drug

| | |
|------------------------|---|
| End point title | Number of participants with infusion related adverse events due to study drug |
| End point description: | The number of participants with infusion related adverse events due to study drug was assessed. |
| End point type | Secondary |
| End point timeframe: | 36 weeks + 60 days |

| End point values | Ofatumumab | Rituximab | | |
|-----------------------------|-----------------|-----------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 217 | 218 | | |
| Units: Participants | 178 | 112 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Number of participants with myelosuppression adverse events

| | |
|------------------------|---|
| End point title | Number of participants with myelosuppression adverse events |
| End point description: | The number of participants with myelosuppression adverse events was assessed. |
| End point type | Secondary |
| End point timeframe: | 200 weeks |

| End point values | Ofatumumab | Rituximab | | |
|-----------------------------|-----------------|-----------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 217 | 218 | | |
| Units: Participants | 24 | 41 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Duration of response

| | |
|------------------------|----------------------|
| End point title | Duration of response |
| End point description: | |
| End point type | Secondary |

End point timeframe:

200 weeks

| End point values | Ofatumumab | Rituximab | | |
|-----------------------------|------------------|------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[1] | 0 ^[2] | | |
| Units: weeks | | | | |
| number (not applicable) | | | | |

Notes:

[1] - The analysis of this end point was not performed due to the early termination of the study.

[2] - The analysis of this end point was not performed due to the early termination of the study.

Statistical analyses

No statistical analyses for this end point

Secondary: Time to next treatment

| | |
|-----------------|------------------------|
| End point title | Time to next treatment |
|-----------------|------------------------|

End point description:

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

End point timeframe:

200 weeks

| End point values | Ofatumumab | Rituximab | | |
|-----------------------------|------------------|------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[3] | 0 ^[4] | | |
| Units: weeks | | | | |
| number (not applicable) | | | | |

Notes:

[3] - The analysis of this end point was not performed due to the early termination of the study.

[4] - The analysis of this end point was not performed due to the early termination of the study.

Statistical analyses

No statistical analyses for this end point

Secondary: Pharmacokinetics

| | |
|-----------------|------------------|
| End point title | Pharmacokinetics |
|-----------------|------------------|

End point description:

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

End point timeframe:

70 weeks

| End point values | Ofatumumab | Rituximab | | |
|-----------------------------|------------------|------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[5] | 0 ^[6] | | |
| Units: mL | | | | |
| number (not applicable) | | | | |

Notes:

[5] - The analysis of this end point was not performed due to the early termination of the study.

[6] - The analysis of this end point was not performed due to the early termination of the study.

Statistical analyses

No statistical analyses for this end point

Adverse events

Adverse events information

Timeframe for reporting adverse events:

Adverse events are collected from First Patient First Visit (FPFV) until Last Patient Last Visit (LPLV). All adverse events reported in this record are from date of First Patient First Treatment until Last Patient Last Visit.

Adverse event reporting additional description:

Consistent with EudraCT disclosure specifications, Novartis has reported under the Serious adverse events field "number of deaths resulting from adverse events" all those deaths, resulting from serious adverse events that are deemed to be causally related to treatment by the investigator.

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

Dictionary used

| | |
|--------------------|--------|
| Dictionary name | MedDRA |
| Dictionary version | 19.0 |

Reporting groups

| | |
|-----------------------|------------|
| Reporting group title | Ofatumumab |
|-----------------------|------------|

Reporting group description:

Ofatumumab

| | |
|-----------------------|-----------|
| Reporting group title | Rituximab |
|-----------------------|-----------|

Reporting group description:

Rituximab

| Serious adverse events | Ofatumumab | Rituximab | |
|---|-------------------|-------------------|--|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 38 / 217 (17.51%) | 37 / 218 (16.97%) | |
| number of deaths (all causes) | 1 | 0 | |
| number of deaths resulting from adverse events | 1 | 0 | |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) | | | |
| Adenocarcinoma of appendix | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Adenocarcinoma of colon | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Carcinoid tumour pulmonary | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Colorectal cancer | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hepatic neoplasm | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hepatocellular carcinoma | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Lung adenocarcinoma | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Malignant pleural effusion | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Mycosis fungoides | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Myelodysplastic syndrome | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Oesophageal carcinoma | | | |

| | | | |
|--|-----------------|-----------------|--|
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Prostate cancer | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Squamous cell carcinoma | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Squamous cell carcinoma of skin | | | |
| subjects affected / exposed | 2 / 217 (0.92%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 8 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Transitional cell carcinoma | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Vascular disorders | | | |
| Hypotension | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Poor peripheral circulation | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Shock haemorrhagic | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| General disorders and administration site conditions | | | |

| | | | | |
|---|---|-----------------|-----------------|--|
| Asthenia | subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| | occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| | deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Chills | subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| | occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| | deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Fatigue | subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| | occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| | deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| General physical health deterioration | subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| | occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| | deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Non-cardiac chest pain | subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| | occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| | deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Performance status decreased | subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| | occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| | deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pyrexia | subjects affected / exposed | 0 / 217 (0.00%) | 2 / 218 (0.92%) | |
| | occurrences causally related to treatment / all | 0 / 0 | 1 / 2 | |
| | deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Respiratory, thoracic and mediastinal disorders | | | | |
| Acute respiratory failure | subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| | occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| | deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |

| | | | |
|---|-----------------|-----------------|--|
| Asthma | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Bronchopneumopathy | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cough | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 2 / 218 (0.92%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Dyspnoea | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 2 / 218 (0.92%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Lung disorder | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pleural effusion | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pulmonary embolism | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 2 / 218 (0.92%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Psychiatric disorders | | | |
| Depression | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Investigations | | | |

| | | | |
|---|-----------------|-----------------|--|
| Alanine aminotransferase increased subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Aspartate aminotransferase increased | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Injury, poisoning and procedural complications | | | |
| Fall | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Infusion related reaction | | | |
| subjects affected / exposed | 5 / 217 (2.30%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 4 / 5 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pubis fracture | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cardiac disorders | | | |
| Acute myocardial infarction | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Atrial fibrillation | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 2 / 218 (0.92%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cardiac failure congestive | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Nervous system disorders | | | |
| Cerebrovascular accident | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Normal pressure hydrocephalus | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Presyncope | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Syncope | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Transient ischaemic attack | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Blood and lymphatic system disorders | | | |
| Anaemia | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Febrile neutropenia | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Lymphopenia | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Neutropenia | | | |
| subjects affected / exposed | 2 / 217 (0.92%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 2 / 2 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pancytopenia | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Ear and labyrinth disorders | | | |
| Otosclerosis | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Eye disorders | | | |
| Cataract | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Gastrointestinal disorders | | | |
| Constipation | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Crohn's disease | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Diarrhoea | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |

| | | | |
|---|-----------------|-----------------|--|
| Ileus | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Intestinal obstruction | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 2 / 218 (0.92%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Intestinal perforation | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Mesenteric vein thrombosis | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Nausea | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Rectal haemorrhage | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Retroperitoneal haematoma | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Small intestinal obstruction | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Upper gastrointestinal haemorrhage | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hepatobiliary disorders | | | |
| Hepatotoxicity | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Skin and subcutaneous tissue disorders | | | |
| Toxic epidermal necrolysis | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Renal and urinary disorders | | | |
| Acute kidney injury | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hydronephrosis | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Renal colic | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Renal failure | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Musculoskeletal and connective tissue disorders | | | |
| Back pain | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 1 / 217 (0.46%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Bursitis | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Musculoskeletal pain | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pain in extremity | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Infections and infestations | | | |
| Appendicitis | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Bronchitis | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Herpes zoster | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Infection | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Lymph gland infection | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Neutropenic sepsis | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pneumonia | | | |
| subjects affected / exposed | 2 / 217 (0.92%) | 5 / 218 (2.29%) | |
| occurrences causally related to treatment / all | 1 / 2 | 4 / 6 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Respiratory syncytial virus infection | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Sepsis | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 3 / 218 (1.38%) | |
| occurrences causally related to treatment / all | 1 / 1 | 1 / 3 | |
| deaths causally related to treatment / all | 1 / 1 | 0 / 0 | |
| Septic shock | | | |
| subjects affected / exposed | 1 / 217 (0.46%) | 0 / 218 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Skin infection | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Urosepsis | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Metabolism and nutrition disorders | | | |
| Dehydration | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hyponatraemia | | | |
| subjects affected / exposed | 0 / 217 (0.00%) | 1 / 218 (0.46%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |

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

| Non-serious adverse events | Ofatumumab | Rituximab | |
|---|--------------------|--------------------|--|
| Total subjects affected by non-serious adverse events | | | |
| subjects affected / exposed | 177 / 217 (81.57%) | 150 / 218 (68.81%) | |
| Investigations | | | |
| Alanine aminotransferase increased | | | |
| subjects affected / exposed | 3 / 217 (1.38%) | 11 / 218 (5.05%) | |
| occurrences (all) | 3 | 11 | |
| Neutrophil count decreased | | | |
| subjects affected / exposed | 10 / 217 (4.61%) | 16 / 218 (7.34%) | |
| occurrences (all) | 17 | 18 | |
| White blood cell count decreased | | | |
| subjects affected / exposed | 12 / 217 (5.53%) | 23 / 218 (10.55%) | |
| occurrences (all) | 19 | 29 | |
| Injury, poisoning and procedural complications | | | |
| Infusion related reaction | | | |
| subjects affected / exposed | 40 / 217 (18.43%) | 19 / 218 (8.72%) | |
| occurrences (all) | 54 | 27 | |
| Nervous system disorders | | | |
| Headache | | | |
| subjects affected / exposed | 11 / 217 (5.07%) | 20 / 218 (9.17%) | |
| occurrences (all) | 13 | 35 | |
| Blood and lymphatic system disorders | | | |
| Neutropenia | | | |
| subjects affected / exposed | 6 / 217 (2.76%) | 16 / 218 (7.34%) | |
| occurrences (all) | 7 | 17 | |
| General disorders and administration | | | |

| | | | |
|---|------------------|-------------------|--|
| site conditions | | | |
| Asthenia | | | |
| subjects affected / exposed | 9 / 217 (4.15%) | 14 / 218 (6.42%) | |
| occurrences (all) | 11 | 14 | |
| Chills | | | |
| subjects affected / exposed | 8 / 217 (3.69%) | 13 / 218 (5.96%) | |
| occurrences (all) | 10 | 13 | |
| Fatigue | | | |
| subjects affected / exposed | 21 / 217 (9.68%) | 28 / 218 (12.84%) | |
| occurrences (all) | 23 | 30 | |
| Pyrexia | | | |
| subjects affected / exposed | 9 / 217 (4.15%) | 21 / 218 (9.63%) | |
| occurrences (all) | 10 | 25 | |
| Gastrointestinal disorders | | | |
| Abdominal pain | | | |
| subjects affected / exposed | 12 / 217 (5.53%) | 7 / 218 (3.21%) | |
| occurrences (all) | 14 | 8 | |
| Constipation | | | |
| subjects affected / exposed | 17 / 217 (7.83%) | 11 / 218 (5.05%) | |
| occurrences (all) | 20 | 11 | |
| Diarrhoea | | | |
| subjects affected / exposed | 20 / 217 (9.22%) | 15 / 218 (6.88%) | |
| occurrences (all) | 25 | 17 | |
| Nausea | | | |
| subjects affected / exposed | 19 / 217 (8.76%) | 16 / 218 (7.34%) | |
| occurrences (all) | 21 | 19 | |
| Respiratory, thoracic and mediastinal disorders | | | |
| Cough | | | |
| subjects affected / exposed | 9 / 217 (4.15%) | 18 / 218 (8.26%) | |
| occurrences (all) | 10 | 23 | |
| Dyspnoea | | | |
| subjects affected / exposed | 13 / 217 (5.99%) | 13 / 218 (5.96%) | |
| occurrences (all) | 14 | 13 | |
| Oropharyngeal discomfort | | | |
| subjects affected / exposed | 6 / 217 (2.76%) | 11 / 218 (5.05%) | |
| occurrences (all) | 17 | 13 | |

| | | | |
|---|-------------------------|-------------------------|--|
| Oropharyngeal pain subjects affected / exposed occurrences (all) | 12 / 217 (5.53%) 14 | 11 / 218 (5.05%) 14 | |
| Skin and subcutaneous tissue disorders | | | |
| Pruritus subjects affected / exposed occurrences (all) | 20 / 217 (9.22%) 21 | 14 / 218 (6.42%) 17 | |
| Rash subjects affected / exposed occurrences (all) | 42 / 217 (19.35%) 51 | 11 / 218 (5.05%) 13 | |
| Rash maculo-papular subjects affected / exposed occurrences (all) | 16 / 217 (7.37%) 20 | 2 / 218 (0.92%) 2 | |
| Urticaria subjects affected / exposed occurrences (all) | 41 / 217 (18.89%) 42 | 3 / 218 (1.38%) 3 | |
| Psychiatric disorders | | | |
| Insomnia subjects affected / exposed occurrences (all) | 14 / 217 (6.45%) 16 | 7 / 218 (3.21%) 7 | |
| Musculoskeletal and connective tissue disorders | | | |
| Arthralgia subjects affected / exposed occurrences (all) | 8 / 217 (3.69%) 8 | 11 / 218 (5.05%) 15 | |
| Infections and infestations | | | |
| Nasopharyngitis subjects affected / exposed occurrences (all) | 14 / 217 (6.45%) 25 | 22 / 218 (10.09%) 28 | |
| Upper respiratory tract infection subjects affected / exposed occurrences (all) | 13 / 217 (5.99%) 15 | 11 / 218 (5.05%) 15 | |

More information

Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date | Amendment |
|------------------|---|
| 28 April 2010 | <ul style="list-style-type: none">• Revision of response criteria.• Sample size increased.• Several exclusion criteria amended to allow greater medical judgment in determining eligibility.• Premedication and infusion schedule information moved from SPM to protocol. |
| 24 November 2010 | <ul style="list-style-type: none">• Addition of study logo and acronym.• Additional details added for the randomization method.• Inclusion and exclusion criteria modified to further define the subject population.• Acetaminophen pre-infusion medication requirement clarified.• Further define the OS analysis plan.• Addition of a Japanese specific HBV DNA monitoring schedule. Removal of a sample size re-estimation. |
| 09 April 2013 | <ul style="list-style-type: none">• Further define the requirements for baseline bone marrow and lymphoma samples.• Inclusion and exclusion criteria modified to further define and clarify the subject population.• Clarification on study medication dosing and dose delays, including rapid infusion schedule use.• Clarifications to the ofatumumab pre-medication requirements.• Clarification concerning the management of ofatumumab related infusion reactions.• Response assessment updated to align more specifically with the Cheson 2007 criteria.• Clarifications to the pharmacokinetic sub-study sample collection requirements. |
| 02 December 2013 | <ul style="list-style-type: none">• Exclusion criteria and guidelines for events of special interest were modified to clearly define the care and management of subjects with Hepatitis B.• Clarification visit scheduling requirements for HAHA/PK collection.• Revisions to the Time and Events Table to ensure consistency throughout the protocol.• Addition of Universal Trial Number (UTN): U1111-1148-8535• Specified local laboratory information that must be entered into eCRF |
| 05 August 2014 | <ul style="list-style-type: none">• Protocol title was replaced with FL with iNHL.• In addition to FL grades 1-3A, other types of iNHL were included in eligibility criteria.• In addition to stratification by FLIPI-1 score (0-2 vs. 3-5, for FL subjects only) and last prior rituximab therapy (monotherapy vs. combination therapy), subjects were to be stratified by disease type (FL vs. Non-FL).• Since this study used an IDMC and not an Independent Safety Review Committee (iSRC), only the IDMC is referenced. |
| 16 July 2016 | <ul style="list-style-type: none">• Delete or replace references to GlaxoSmithKline or its staff with that of Novartis and its authorized agents to align with the change of sponsorship.• Make administrative changes to align with Novartis processes and procedures.• The previous protocol Id was OMB113676, which is now owned by Novartis. The Novartis code is OMB157D2303. Both codes are being used for this study. |

Notes:

Interruptions (globally)

Were there any global interruptions to the trial? No

Limitations and caveats

Limitations of the trial such as small numbers of subjects analysed or technical problems leading to unreliable data.

| |
|--|
| The study was terminated due to futility of the primary end point. |
|--|

Notes: