

**Clinical trial results:**

An extension study to CQTI571A2301 to evaluate the long-term safety, tolerability and efficacy of oral QTI571 (imatinib) in the treatment of severe pulmonaryarterial hypertension: IMPRES Extension.

Summary

| | |
|--------------------------|----------------------|
| EudraCT number | 2009-018167-26 |
| Trial protocol | AT ES DE BE GB IT FR |
| Global end of trial date | 16 April 2014 |

Results information

| | |
|--------------------------------|----------------|
| Result version number | v1 (current) |
| This version publication date | 13 July 2016 |
| First version publication date | 16 August 2015 |

Trial information**Trial identification**

| | |
|-----------------------|----------------|
| Sponsor protocol code | CQTI571A2301E1 |
|-----------------------|----------------|

Additional study identifiers

| | |
|------------------------------------|-------------|
| ISRCTN number | - |
| ClinicalTrials.gov id (NCT number) | NCT01117987 |
| 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 | 16 April 2014 |
| Is this the analysis of the primary completion data? | Yes |
| Primary completion date | 16 April 2014 |
| Global end of trial reached? | Yes |
| Global end of trial date | 16 April 2014 |
| Was the trial ended prematurely? | Yes |

Notes:

General information about the trial

Main objective of the trial:

To evaluate the long-term safety and tolerability of QT1571

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 | 15 April 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: 1 |
| Country: Number of subjects enrolled | Canada: 5 |
| Country: Number of subjects enrolled | France: 1 |
| Country: Number of subjects enrolled | Austria: 1 |
| Country: Number of subjects enrolled | Germany: 32 |
| Country: Number of subjects enrolled | United Kingdom: 8 |
| Country: Number of subjects enrolled | Italy: 6 |
| Country: Number of subjects enrolled | Japan: 17 |
| Country: Number of subjects enrolled | Korea, Republic of: 9 |
| Country: Number of subjects enrolled | Netherlands: 1 |
| Country: Number of subjects enrolled | Spain: 13 |
| Country: Number of subjects enrolled | Switzerland: 2 |
| Country: Number of subjects enrolled | United States: 48 |
| Worldwide total number of subjects | 144 |
| EEA total number of subjects | 63 |

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) | 125 |
| From 65 to 84 years | 19 |
| 85 years and over | 0 |

Subject disposition

Recruitment

Recruitment details: -

Pre-assignment

Screening details:

The following screening procedures were performed within 2 weeks of extension study enrollment (first drug assignment):

- Screening safety laboratories, electrocardiogram (ECG) and 6MWD performed at Visit 1 if not performed in the previous 4 weeks.
- Echocardiogram was performed at Visit 1 if not performed in the previous 8 weeks.

Period 1

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

Arms

| | |
|------------------------------|---------------|
| Are arms mutually exclusive? | Yes |
| Arm title | Core Imatinib |

Arm description:

Depending on the participants randomized treatment in the core study, CQTI571A2301 (NCT00902174), and their completion status in the core study, participants received imatinib at 200 mg qd, 400 mg qd, or 200 mg qd with an increase to 400 mg qd after 2 weeks, if tolerated.

| | |
|--|---------------|
| Arm type | Experimental |
| Investigational medicinal product name | Imatinib |
| Investigational medicinal product code | QTI571 |
| Other name | |
| Pharmaceutical forms | Coated tablet |
| Routes of administration | Oral use |

Dosage and administration details:

Participants, who received imatinib 200 mg in the core study, CQTI571A2301 (NCT00902174), and completed the core study, received imatinib 200 mg every day (qd) in the extension. Participants, who were randomized to receive imatinib 400 mg in the core study and completed the core study, received imatinib 400 mg qd in the extension. Participants, who terminated early from the core study or who were randomized to placebo and completed the core study, started the extension with imatinib 200 mg qd. After 2 weeks, the dose was increased to 400 mg qd if tolerated.

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

Arm description:

Depending on the participants randomized treatment in the core study, CQTI571A2301 (NCT00902174), and their completion status in the core study, participants received imatinib at 200 mg qd, 400 mg qd, or 200 mg qd with an increase to 400 mg qd after 2 weeks, if tolerated.

| | |
|--|---------------|
| Arm type | Experimental |
| Investigational medicinal product name | Imatinib |
| Investigational medicinal product code | QTI571 |
| Other name | |
| Pharmaceutical forms | Coated tablet |
| Routes of administration | Oral use |

Dosage and administration details:

To preserve the blind of the core study until the core study CQTI571A2301 was completed, participants received a blinded study drug package containing a 70-tablet bottle of imatinim and 70-tablet bottle of matching placebo

| Number of subjects in period 1 | Core Imatinib | Core Placebo |
|---------------------------------------|---------------|--------------|
| Started | 66 | 78 |
| Completed | 5 | 4 |
| Not completed | 61 | 74 |
| Adverse event, serious fatal | 5 | 10 |
| Consent withdrawn by subject | 5 | 10 |
| Subject no longer requires study drug | 1 | - |
| Adverse event, non-fatal | 19 | 26 |
| Protocol deviation | - | 1 |
| Administrative problems | 25 | 22 |
| Lost to follow-up | 1 | 1 |
| Abnormal test procedure result | 2 | - |
| Lack of efficacy | 3 | 4 |

Baseline characteristics

Reporting groups

| | |
|-----------------------|---------------|
| Reporting group title | Core Imatinib |
|-----------------------|---------------|

Reporting group description:

Depending on the participants randomized treatment in the core study, CQTI571A2301 (NCT00902174), and their completion status in the core study, participants received imatinib at 200 mg qd, 400 mg qd, or 200 mg qd with an increase to 400 mg qd after 2 weeks, if tolerated.

| | |
|-----------------------|--------------|
| Reporting group title | Core Placebo |
|-----------------------|--------------|

Reporting group description:

Depending on the participants randomized treatment in the core study, CQTI571A2301 (NCT00902174), and their completion status in the core study, participants received imatinib at 200 mg qd, 400 mg qd, or 200 mg qd with an increase to 400 mg qd after 2 weeks, if tolerated.

| Reporting group values | Core Imatinib | Core Placebo | Total |
|---|---------------|--------------|-------|
| Number of subjects | 66 | 78 | 144 |
| 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) | 53 | 72 | 125 |
| From 65-84 years | 13 | 6 | 19 |
| 85 years and over | 0 | 0 | 0 |
| Age Continuous Units: Years | | | |
| arithmetic mean | 49.3 | 45.7 | |
| standard deviation | ± 15.52 | ± 13.31 | - |
| Gender, Male/Female Units: Participants | | | |
| Female | 57 | 63 | 120 |
| Male | 9 | 15 | 24 |

End points

End points reporting groups

| | |
|-----------------------|---------------|
| Reporting group title | Core Imatinib |
|-----------------------|---------------|

Reporting group description:

Depending on the participants randomized treatment in the core study, CQTI571A2301 (NCT00902174), and their completion status in the core study, participants received imatinib at 200 mg qd, 400 mg qd, or 200 mg qd with an increase to 400 mg qd after 2 weeks, if tolerated.

| | |
|-----------------------|--------------|
| Reporting group title | Core Placebo |
|-----------------------|--------------|

Reporting group description:

Depending on the participants randomized treatment in the core study, CQTI571A2301 (NCT00902174), and their completion status in the core study, participants received imatinib at 200 mg qd, 400 mg qd, or 200 mg qd with an increase to 400 mg qd after 2 weeks, if tolerated.

Primary: Number of participants with adverse events, serious adverse events and deaths

| | |
|-----------------|--|
| End point title | Number of participants with adverse events, serious adverse events and deaths ^[1] |
|-----------------|--|

End point description:

Adverse event monitoring was conducted throughout the study.

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

End point timeframe:

204 weeks

Notes:

[1] - No statistical analyses have been specified for this primary end point. It is expected there is at least one statistical analysis for each primary end point.

Justification: statistical analysis not prespecified for this outcome measure.

| End point values | Core Imatinib | Core Placebo | | |
|--|-----------------|-----------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 66 | 78 | | |
| Units: Participants | | | | |
| Adverse events (non-serious and serious) | 62 | 76 | | |
| Serious adverse events | 40 | 53 | | |
| Deaths | 6 | 10 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Change from core study baseline in Six-Minute Walk Distance (6MWD)

| | |
|-----------------|--|
| End point title | Change from core study baseline in Six-Minute Walk Distance (6MWD) |
|-----------------|--|

End point description:

A six minute walk test (6MWT) was performed in accordance with the guidelines of the American Thoracic Society (2002).

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

End point timeframe:

core study baseline, extension baseline, 12 weeks, 24 weeks, 48 weeks, 72 weeks, 96 weeks, 120 weeks, 144 weeks, 156 weeks, 204 weeks

| End point values | Core Imatinib | Core Placebo | | |
|--------------------------------------|------------------|------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 66 | 78 | | |
| Units: meters | | | | |
| arithmetic mean (standard deviation) | | | | |
| Extension baseline (n=61,77) | 42.98 (± 55.209) | 4.91 (± 62.629) | | |
| Week 12 (n=58,57) | 48.75 (± 60.887) | 16.25 (± 64.992) | | |
| Week 24 (n=54,53) | 44.71 (± 45.506) | 19.34 (± 71.675) | | |
| Week 48 (n=47,42) | 45.81 (± 72.15) | 29.18 (± 65.198) | | |
| Week 72 (n=40,39) | 49.54 (± 76.019) | 56.46 (± 111.13) | | |
| Week 96 (n=38,35) | 66.64 (± 71.08) | 41.03 (± 54.495) | | |
| Week 120 (n=32,29) | 83.19 (± 67.855) | 37.43 (± 60.087) | | |
| Week 144 (n=27,21) | 67.7 (± 64) | 39.45 (± 79.356) | | |
| Week 156 (n=21,18) | 72.6 (± 67.972) | 30.17 (± 66.856) | | |
| Week 204 (n=4,3) | 96.88 (± 42.048) | 4.5 (± 25.608) | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Percentage of participants with incidence of clinical worsening events

| | |
|-----------------|--|
| End point title | Percentage of participants with incidence of clinical worsening events |
|-----------------|--|

End point description:

Clinical worsening events included death, overnight hospitalization for worsening of PAH, worsening of World Health Organization (WHO) functional class by at least one level (drop in WHO), 15% decrease in the 6MWD as compared to baseline confirmed by two 6MWTs at two consecutive study visits (6MWD reduction), and drop in WHO & 6MWD reduction. Some participants have fulfilled more than one criterion. Therefore, the sum of individual components may be higher than the total number of participants with clinical worsening.

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

End point timeframe:

204 weeks

| End point values | Core Imatinib | Core Placebo | | |
|--|-----------------|-----------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 66 | 78 | | |
| Units: Percentage of participants | | | | |
| number (not applicable) | | | | |
| Total participants with clinical worsening | 50 | 46.2 | | |
| Death (all deaths) | 7.6 | 12.8 | | |
| Hospitalization for worsening of PAH | 33.3 | 28.2 | | |
| Drop in WHO | 24.2 | 19.2 | | |
| 6MWD reduction | 12.1 | 19.2 | | |
| Drop in WHO and 6MWD reduction | 1.5 | 3.8 | | |

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 are reported in this record from 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

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

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

Reporting groups

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|-----------------------|-----------------|
| Reporting group title | Placebo tablets |
|-----------------------|-----------------|

Reporting group description:

Placebo tablets

| | |
|-----------------------|------------------------|
| Reporting group title | Imatinib 100mg tablets |
|-----------------------|------------------------|

Reporting group description:

Imatinib 100mg tablets

| Serious adverse events | Placebo tablets | Imatinib 100mg tablets | |
|---|------------------|------------------------|--|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 53 / 78 (67.95%) | 40 / 66 (60.61%) | |
| number of deaths (all causes) | 10 | 5 | |
| number of deaths resulting from adverse events | 1 | 1 | |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) | | | |
| Acute myeloid leukaemia | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Breast cancer | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Uterine leiomyoma | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |

| | | | |
|--|----------------|----------------|--|
| Vascular disorders | | | |
| Arteriovenous fistula | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Haematoma | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hypertensive crisis | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hypotension | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 2 / 66 (3.03%) | |
| occurrences causally related to treatment / all | 0 / 1 | 1 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Thrombosis | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Surgical and medical procedures | | | |
| Craniotomy | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (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 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Brain death | | | |

| | | | |
|---|----------------|----------------|--|
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Chest pain | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Device leakage | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Device dislocation | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Chills | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Medical device complication | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Exercise tolerance decreased | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Device occlusion | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Device malfunction | | | |

| | | | |
|--|----------------|----------------|--|
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (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 | 3 / 78 (3.85%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 2 / 3 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Oedema peripheral | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Non-cardiac chest pain | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Reproductive system and breast disorders | | | |
| Ovarian cyst ruptured | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 2 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Dysfunctional uterine bleeding | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Vaginal haemorrhage | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Respiratory, thoracic and mediastinal disorders | | | |
| Apnoeic attack | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |

| | | | |
|---|----------------|----------------|--|
| Acute respiratory failure | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 1 | 0 / 0 | |
| Asthma | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Dyspnoea | | | |
| subjects affected / exposed | 5 / 78 (6.41%) | 4 / 66 (6.06%) | |
| occurrences causally related to treatment / all | 1 / 7 | 0 / 4 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Atelectasis | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Epistaxis | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Interstitial lung disease | | | |
| subjects affected / exposed | 2 / 78 (2.56%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hypoxia | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Haemoptysis | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 3 / 66 (4.55%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 4 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Organising pneumonia | | | |

| | | | |
|---|-----------------|----------------|--|
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pneumothorax | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pneumonia aspiration | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pleural effusion | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pulmonary arterial hypertension | | | |
| subjects affected / exposed | 8 / 78 (10.26%) | 6 / 66 (9.09%) | |
| occurrences causally related to treatment / all | 3 / 10 | 1 / 8 | |
| deaths causally related to treatment / all | 1 / 1 | 0 / 0 | |
| Pulmonary embolism | | | |
| subjects affected / exposed | 2 / 78 (2.56%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 2 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 1 | 0 / 0 | |
| Respiratory failure | | | |
| subjects affected / exposed | 2 / 78 (2.56%) | 3 / 66 (4.55%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 4 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 1 | |
| Pulmonary hypertension | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Psychiatric disorders | | | |
| Bipolar disorder | | | |

| | | | |
|---|----------------|----------------|--|
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Confusional state | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Investigations | | | |
| Blood potassium increased | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Eosinophil percentage increased | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Haematocrit decreased | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Intraocular pressure increased | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| N-terminal prohormone brain natriuretic peptide | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Injury, poisoning and procedural complications | | | |
| Complications of transplanted lung | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |

| | | | |
|---|----------------|----------------|--|
| Bone contusion | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Femur fracture | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Foot fracture | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Ligament sprain | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Overdose | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Radius fracture | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Subdural haematoma | | | |
| subjects affected / exposed | 3 / 78 (3.85%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 2 / 3 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Tendon rupture | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Thoracic vertebral fracture | | | |

| | | | |
|---|----------------|----------------|--|
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Toxicity to various agents | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 1 | 0 / 0 | |
| Cardiac disorders | | | |
| Acute coronary syndrome | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Angina pectoris | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Atrial fibrillation | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Atrial tachycardia | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Atrial flutter | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Bradycardia | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cardiac tamponade | | | |

| | | |
|---|-----------------|----------------|
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 1 / 1 | 0 / 0 |
| Cardiac arrest | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 1 | 0 / 0 |
| Cardio-respiratory arrest | | |
| subjects affected / exposed | 2 / 78 (2.56%) | 0 / 66 (0.00%) |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 1 | 0 / 0 |
| Cor pulmonale | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 |
| Myocardial ischaemia | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 |
| Pericardial effusion | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 |
| Right ventricular failure | | |
| subjects affected / exposed | 8 / 78 (10.26%) | 5 / 66 (7.58%) |
| occurrences causally related to treatment / all | 1 / 8 | 2 / 5 |
| deaths causally related to treatment / all | 0 / 2 | 0 / 1 |
| Supraventricular tachycardia | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 |
| Tachycardia | | |

| | | | |
|---|----------------|----------------|--|
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Nervous system disorders | | | |
| Cerebral infarction | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 1 | |
| Cerebral haemorrhage | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 1 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Convulsion | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Presyncope | | | |
| subjects affected / exposed | 2 / 78 (2.56%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Syncope | | | |
| subjects affected / exposed | 7 / 78 (8.97%) | 2 / 66 (3.03%) | |
| occurrences causally related to treatment / all | 0 / 8 | 0 / 7 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Transient ischaemic attack | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Blood and lymphatic system disorders | | | |
| Anaemia | | | |
| subjects affected / exposed | 2 / 78 (2.56%) | 3 / 66 (4.55%) | |
| occurrences causally related to treatment / all | 1 / 2 | 1 / 5 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Agranulocytosis | | | |

| | | | |
|---|----------------|----------------|--|
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Iron deficiency anaemia | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Febrile neutropenia | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Coagulopathy | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 2 / 66 (3.03%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Leukopenia | | | |
| subjects affected / exposed | 3 / 78 (3.85%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 4 / 4 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Neutropenia | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Thrombocytopenia | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Ear and labyrinth disorders | | | |
| Deafness | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Eye disorders | | | |

| | | | |
|---|----------------|----------------|--|
| Astigmatism | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cataract | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Corneal erosion | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Glaucoma | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Periorbital oedema | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Gastrointestinal disorders | | | |
| Colitis | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Abdominal pain upper | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Abdominal adhesions | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Colonic fistula | | | |

| | | | |
|---|----------------|----------------|--|
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Diarrhoea | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 2 / 66 (3.03%) | |
| occurrences causally related to treatment / all | 0 / 0 | 2 / 3 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Gastritis | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 1 / 2 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Gastrointestinal haemorrhage | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 1 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 1 / 1 | |
| Gastrointestinal inflammation | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Haematemesis | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pancreatitis acute | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Nausea | | | |
| subjects affected / exposed | 3 / 78 (3.85%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 3 | 2 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Small intestinal obstruction | | | |

| | | | |
|---|----------------|----------------|--|
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 4 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Vomiting | | | |
| subjects affected / exposed | 2 / 78 (2.56%) | 2 / 66 (3.03%) | |
| occurrences causally related to treatment / all | 1 / 2 | 1 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hepatobiliary disorders | | | |
| Cholelithiasis | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cholecystitis | | | |
| subjects affected / exposed | 2 / 78 (2.56%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hepatitis | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Skin and subcutaneous tissue disorders | | | |
| Drug eruption | | | |
| subjects affected / exposed | 2 / 78 (2.56%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 2 / 2 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Eczema | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Scleroedema | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Telangiectasia | | | |

| | | | |
|---|----------------|----------------|--|
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Renal and urinary disorders | | | |
| Lupus nephritis | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Nephrolithiasis | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Renal failure | | | |
| subjects affected / exposed | 2 / 78 (2.56%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 2 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Renal failure acute | | | |
| subjects affected / exposed | 2 / 78 (2.56%) | 2 / 66 (3.03%) | |
| occurrences causally related to treatment / all | 0 / 3 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Nephrotic syndrome | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Renal impairment | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Endocrine disorders | | | |
| Hyperthyroidism | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Musculoskeletal and connective tissue | | | |

| | | | |
|---|----------------|----------------|--|
| disorders | | | |
| Bursitis | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Joint effusion | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Systemic sclerosis | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Infections and infestations | | | |
| Clostridium difficile infection | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cellulitis | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Bacteraemia | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Diverticulitis | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Device related sepsis | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 1 | 0 / 0 | |

| | | | |
|---|----------------|----------------|--|
| Device related infection | | | |
| subjects affected / exposed | 3 / 78 (3.85%) | 5 / 66 (7.58%) | |
| occurrences causally related to treatment / all | 0 / 3 | 0 / 6 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Gastroenteritis | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Colonic abscess | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Gastroenteritis viral | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Influenza | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Herpes zoster | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Lobar pneumonia | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Mastitis | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Mycobacterial infection | | | |

| | | | |
|---|----------------|----------------|--|
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Nasopharyngitis | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pneumonia | | | |
| subjects affected / exposed | 3 / 78 (3.85%) | 3 / 66 (4.55%) | |
| occurrences causally related to treatment / all | 2 / 4 | 1 / 3 | |
| deaths causally related to treatment / all | 0 / 2 | 0 / 1 | |
| Pyelonephritis | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pseudomembranous colitis | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Soft tissue infection | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Staphylococcal sepsis | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Upper respiratory tract infection | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Urinary tract infection | | | |

| | | | |
|---|----------------|----------------|--|
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Viral infection | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Metabolism and nutrition disorders | | | |
| Decreased appetite | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Dehydration | | | |
| subjects affected / exposed | 3 / 78 (3.85%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 1 / 3 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Electrolyte imbalance | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Fluid retention | | | |
| subjects affected / exposed | 2 / 78 (2.56%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 2 / 2 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Fluid overload | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 2 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Gout | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hyperkalaemia | | | |

| | | | |
|---|----------------|----------------|--|
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hypokalaemia | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 0 / 66 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hyponatraemia | | | |
| subjects affected / exposed | 1 / 78 (1.28%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hypovolaemia | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Metabolic acidosis | | | |
| subjects affected / exposed | 0 / 78 (0.00%) | 1 / 66 (1.52%) | |
| 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 | Placebo tablets | Imatinib 100mg tablets | |
|---|------------------|------------------------|--|
| Total subjects affected by non-serious adverse events | | | |
| subjects affected / exposed | 72 / 78 (92.31%) | 55 / 66 (83.33%) | |
| Vascular disorders | | | |
| Flushing | | | |
| subjects affected / exposed | 5 / 78 (6.41%) | 2 / 66 (3.03%) | |
| occurrences (all) | 6 | 2 | |
| Hypotension | | | |
| subjects affected / exposed | 3 / 78 (3.85%) | 6 / 66 (9.09%) | |
| occurrences (all) | 3 | 10 | |
| General disorders and administration site conditions | | | |

| | | | |
|---|------------------|------------------|--|
| Face oedema | | | |
| subjects affected / exposed | 4 / 78 (5.13%) | 1 / 66 (1.52%) | |
| occurrences (all) | 4 | 1 | |
| Chest discomfort | | | |
| subjects affected / exposed | 4 / 78 (5.13%) | 2 / 66 (3.03%) | |
| occurrences (all) | 5 | 2 | |
| Asthenia | | | |
| subjects affected / exposed | 2 / 78 (2.56%) | 4 / 66 (6.06%) | |
| occurrences (all) | 2 | 4 | |
| Fatigue | | | |
| subjects affected / exposed | 11 / 78 (14.10%) | 9 / 66 (13.64%) | |
| occurrences (all) | 12 | 12 | |
| Pyrexia | | | |
| subjects affected / exposed | 5 / 78 (6.41%) | 9 / 66 (13.64%) | |
| occurrences (all) | 6 | 13 | |
| Oedema peripheral | | | |
| subjects affected / exposed | 32 / 78 (41.03%) | 21 / 66 (31.82%) | |
| occurrences (all) | 48 | 40 | |
| Non-cardiac chest pain | | | |
| subjects affected / exposed | 4 / 78 (5.13%) | 4 / 66 (6.06%) | |
| occurrences (all) | 5 | 4 | |
| Immune system disorders | | | |
| Seasonal allergy | | | |
| subjects affected / exposed | 4 / 78 (5.13%) | 3 / 66 (4.55%) | |
| occurrences (all) | 4 | 3 | |
| Respiratory, thoracic and mediastinal disorders | | | |
| Cough | | | |
| subjects affected / exposed | 11 / 78 (14.10%) | 16 / 66 (24.24%) | |
| occurrences (all) | 12 | 25 | |
| Dyspnoea | | | |
| subjects affected / exposed | 6 / 78 (7.69%) | 10 / 66 (15.15%) | |
| occurrences (all) | 6 | 12 | |
| Hypoxia | | | |
| subjects affected / exposed | 4 / 78 (5.13%) | 2 / 66 (3.03%) | |
| occurrences (all) | 4 | 2 | |
| Epistaxis | | | |

| | | | |
|--|---------------------|-----------------------|--|
| subjects affected / exposed occurrences (all) | 6 / 78 (7.69%) 9 | 6 / 66 (9.09%) 7 | |
| Nasal congestion subjects affected / exposed occurrences (all) | 2 / 78 (2.56%) 2 | 5 / 66 (7.58%) 5 | |
| Oropharyngeal pain subjects affected / exposed occurrences (all) | 1 / 78 (1.28%) 1 | 8 / 66 (12.12%) 17 | |
| Pulmonary arterial hypertension subjects affected / exposed occurrences (all) | 4 / 78 (5.13%) 4 | 2 / 66 (3.03%) 2 | |
| Psychiatric disorders Insomnia subjects affected / exposed occurrences (all) | 5 / 78 (6.41%) 5 | 2 / 66 (3.03%) 2 | |
| Investigations Weight decreased subjects affected / exposed occurrences (all) | 3 / 78 (3.85%) 3 | 5 / 66 (7.58%) 5 | |
| Blood creatinine increased subjects affected / exposed occurrences (all) | 3 / 78 (3.85%) 4 | 4 / 66 (6.06%) 5 | |
| Weight increased subjects affected / exposed occurrences (all) | 4 / 78 (5.13%) 6 | 4 / 66 (6.06%) 7 | |
| Injury, poisoning and procedural complications Contusion subjects affected / exposed occurrences (all) | 1 / 78 (1.28%) 1 | 4 / 66 (6.06%) 5 | |
| Fall subjects affected / exposed occurrences (all) | 1 / 78 (1.28%) 1 | 4 / 66 (6.06%) 4 | |
| Ligament sprain subjects affected / exposed occurrences (all) | 4 / 78 (5.13%) 4 | 0 / 66 (0.00%) 0 | |
| Cardiac disorders | | | |

| | | | |
|--|------------------------|------------------------|--|
| Tachycardia subjects affected / exposed occurrences (all) | 4 / 78 (5.13%) 5 | 4 / 66 (6.06%) 5 | |
| Pericardial effusion subjects affected / exposed occurrences (all) | 4 / 78 (5.13%) 4 | 0 / 66 (0.00%) 0 | |
| Palpitations subjects affected / exposed occurrences (all) | 4 / 78 (5.13%) 4 | 4 / 66 (6.06%) 5 | |
| Nervous system disorders | | | |
| Dizziness subjects affected / exposed occurrences (all) | 5 / 78 (6.41%) 10 | 9 / 66 (13.64%) 13 | |
| Headache subjects affected / exposed occurrences (all) | 24 / 78 (30.77%) 27 | 12 / 66 (18.18%) 26 | |
| Blood and lymphatic system disorders | | | |
| Thrombocytopenia subjects affected / exposed occurrences (all) | 7 / 78 (8.97%) 7 | 6 / 66 (9.09%) 6 | |
| Anaemia subjects affected / exposed occurrences (all) | 8 / 78 (10.26%) 9 | 5 / 66 (7.58%) 6 | |
| Iron deficiency anaemia subjects affected / exposed occurrences (all) | 6 / 78 (7.69%) 7 | 5 / 66 (7.58%) 5 | |
| Leukopenia subjects affected / exposed occurrences (all) | 9 / 78 (11.54%) 19 | 1 / 66 (1.52%) 1 | |
| Eye disorders | | | |
| Periorbital oedema subjects affected / exposed occurrences (all) | 23 / 78 (29.49%) 32 | 11 / 66 (16.67%) 15 | |
| Conjunctival haemorrhage subjects affected / exposed occurrences (all) | 5 / 78 (6.41%) 9 | 2 / 66 (3.03%) 3 | |
| Gastrointestinal disorders | | | |

| | | | |
|--|------------------|------------------|--|
| Abdominal distension | | | |
| subjects affected / exposed | 3 / 78 (3.85%) | 4 / 66 (6.06%) | |
| occurrences (all) | 3 | 4 | |
| Abdominal pain | | | |
| subjects affected / exposed | 5 / 78 (6.41%) | 6 / 66 (9.09%) | |
| occurrences (all) | 6 | 8 | |
| Abdominal pain upper | | | |
| subjects affected / exposed | 5 / 78 (6.41%) | 2 / 66 (3.03%) | |
| occurrences (all) | 7 | 2 | |
| Constipation | | | |
| subjects affected / exposed | 5 / 78 (6.41%) | 3 / 66 (4.55%) | |
| occurrences (all) | 5 | 3 | |
| Abdominal discomfort | | | |
| subjects affected / exposed | 5 / 78 (6.41%) | 2 / 66 (3.03%) | |
| occurrences (all) | 6 | 2 | |
| Nausea | | | |
| subjects affected / exposed | 39 / 78 (50.00%) | 21 / 66 (31.82%) | |
| occurrences (all) | 58 | 31 | |
| Gastritis | | | |
| subjects affected / exposed | 4 / 78 (5.13%) | 0 / 66 (0.00%) | |
| occurrences (all) | 4 | 0 | |
| Dyspepsia | | | |
| subjects affected / exposed | 4 / 78 (5.13%) | 3 / 66 (4.55%) | |
| occurrences (all) | 5 | 4 | |
| Diarrhoea | | | |
| subjects affected / exposed | 27 / 78 (34.62%) | 18 / 66 (27.27%) | |
| occurrences (all) | 36 | 31 | |
| Vomiting | | | |
| subjects affected / exposed | 25 / 78 (32.05%) | 14 / 66 (21.21%) | |
| occurrences (all) | 34 | 29 | |
| Skin and subcutaneous tissue disorders | | | |
| Alopecia | | | |
| subjects affected / exposed | 4 / 78 (5.13%) | 3 / 66 (4.55%) | |
| occurrences (all) | 4 | 3 | |
| Rash | | | |

| | | | |
|--|------------------------|------------------------|--|
| subjects affected / exposed occurrences (all) | 13 / 78 (16.67%) 13 | 7 / 66 (10.61%) 8 | |
| Pruritus subjects affected / exposed occurrences (all) | 6 / 78 (7.69%) 6 | 1 / 66 (1.52%) 1 | |
| Musculoskeletal and connective tissue disorders | | | |
| Back pain subjects affected / exposed occurrences (all) | 4 / 78 (5.13%) 4 | 6 / 66 (9.09%) 9 | |
| Arthralgia subjects affected / exposed occurrences (all) | 12 / 78 (15.38%) 17 | 5 / 66 (7.58%) 6 | |
| Muscle spasms subjects affected / exposed occurrences (all) | 12 / 78 (15.38%) 15 | 8 / 66 (12.12%) 15 | |
| Musculoskeletal pain subjects affected / exposed occurrences (all) | 2 / 78 (2.56%) 2 | 4 / 66 (6.06%) 4 | |
| Pain in extremity subjects affected / exposed occurrences (all) | 5 / 78 (6.41%) 6 | 6 / 66 (9.09%) 10 | |
| Myalgia subjects affected / exposed occurrences (all) | 4 / 78 (5.13%) 4 | 2 / 66 (3.03%) 2 | |
| Infections and infestations | | | |
| Device related infection subjects affected / exposed occurrences (all) | 4 / 78 (5.13%) 8 | 0 / 66 (0.00%) 0 | |
| Influenza subjects affected / exposed occurrences (all) | 2 / 78 (2.56%) 2 | 5 / 66 (7.58%) 6 | |
| Nasopharyngitis subjects affected / exposed occurrences (all) | 24 / 78 (30.77%) 59 | 17 / 66 (25.76%) 54 | |
| Pneumonia | | | |

| | | | |
|---|------------------------|---------------------|--|
| subjects affected / exposed occurrences (all) | 4 / 78 (5.13%) 4 | 1 / 66 (1.52%) 1 | |
| Bronchitis subjects affected / exposed occurrences (all) | 8 / 78 (10.26%) 16 | 1 / 66 (1.52%) 2 | |
| Upper respiratory tract infection subjects affected / exposed occurrences (all) | 11 / 78 (14.10%) 13 | 6 / 66 (9.09%) 9 | |
| Respiratory tract infection subjects affected / exposed occurrences (all) | 7 / 78 (8.97%) 12 | 3 / 66 (4.55%) 5 | |
| Urinary tract infection subjects affected / exposed occurrences (all) | 8 / 78 (10.26%) 12 | 3 / 66 (4.55%) 4 | |
| Metabolism and nutrition disorders | | | |
| Gout subjects affected / exposed occurrences (all) | 4 / 78 (5.13%) 6 | 2 / 66 (3.03%) 3 | |
| Fluid overload subjects affected / exposed occurrences (all) | 4 / 78 (5.13%) 6 | 1 / 66 (1.52%) 1 | |
| Decreased appetite subjects affected / exposed occurrences (all) | 4 / 78 (5.13%) 4 | 2 / 66 (3.03%) 2 | |
| Hypokalaemia subjects affected / exposed occurrences (all) | 10 / 78 (12.82%) 14 | 5 / 66 (7.58%) 5 | |
| Vitamin B12 deficiency subjects affected / exposed occurrences (all) | 0 / 78 (0.00%) 0 | 5 / 66 (7.58%) 5 | |

More information

Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date | Amendment |
|------------------|---|
| 07 May 2010 | Amendment 1: The protocol was amended to allow for additional safety monitoring, provide necessary clarifications and ensure alignment with the core protocol CQTI571A2301. To implement additional safety monitoring, three additional visits were added to the protocol changing the 6- month interval visits to 3-month intervals. |
| 19 July 2010 | Amendment 2: The protocol was amended to clarify the exclusion criterion for male and female contraception requirements and to specify an end date for the study. |
| 26 July 2011 | Amendment 3: The protocol was amended to unblind patients and site staff to the QTI571 dose strength and allow for patients to administer open-label study medication. This planned amendment followed the database lock and unblinding of the treatment assignments in the core protocol CQTI571A2301. Prior to this amendment, extension study medication was supplied in a blinded fashion to patients to prevent knowledge of the QTI571 dose level. This was done in order to maintain the blinding of the core protocol CQTI571A2301. Following this database lock, it is no longer necessary to have patients administer placebo study medication and maintain blinding in the extension study. In addition, the requirements for restarting study drug after a drop in platelets was amended. At the request of the French Health Authority, a specific country requirement was added, wherein, patients in this country can only resume when platelet count is above 75,000/mm ³ , even though the baseline count may have been lower. This requirement was implemented globally however has come to be overly restrictive for many patients in other countries whose platelet count was below the restart requirement at baseline. Since this requirement was only specific to France, the protocol will now allow patients in other countries to be restarted on drug when the platelet count has returned to baseline levels if less than 75,000/mm ³ at study start. |
| 20 March 2012 | Amendment 4: The protocol was amended to obtain survival follow-up information on extension patients and core protocol CQTI571A2301 patients who did not enroll in the extension study. This information is being collected for additional safety monitoring of all patients involved in the core and extension trials. Survival follow-up information will be collected every six months after the patients' last study visit for up to 3 years up until the time of study database lock for this extension protocol. |
| 25 July 2012 | Amendment 5: The protocol was amended to clarify the process for the collection of survival follow-up information from subjects in the United States only, as per local regulations. This information is being collected for additional safety monitoring of all patients involved in the core and extension trials. Survival follow-up information will be collected every six months after the patients' last study visit for up to 3 years up until the time of study database lock for this extension protocol. Local regulations in the United States also permit obtaining publically available survival information without patient consent. Survival information will be collected from public databases, in the United States only, for subjects whose consent can not be obtained. |
| 06 December 2012 | Amendment 6: The protocol was amended to update language regarding the packaging of the study drug by removing the specifics of open-label study drug provided in 140-tablet bottles. This change will allow for alternative packaging to be used in this study. In addition text was deleted if not pertinent to a section, referred to in previous sections or not relevant to provide in the protocol. |

| | |
|-----------------|--|
| 11 January 2013 | Amendment 7: The protocol was amended to extend the study duration by one additional year, thereby changing the overall study duration to four years for the approximate 74 ongoing patients out of 144 patients enrolled. This extension in study duration will consist of two additional visits of 6-month frequency with reduced assessments. A physical exam, echocardiogram, and dipstick urine test will not be required as part of the new study visits. Additionally, NTproBNP lab assessment, six-minute walk test and Borg Scale will be performed at one of the 2 new study visits only. Following 3 years of study treatment with imatinib, patients are considered stable and echocardiography will not be required except for the final study visit. The echocardiogram should be performed as clinically indicated as part of standard of care. The assessment schedule and other relevant protocol sections have been updated accordingly. Extending the study by one additional year will allow patients to continue to participate in this extension study and avoid treatment interruption. The protocol stated co-medications that are inhibitors, inducers or substrates of CYP3A4 and CYP2D6 should be used with caution. A statement was added in this amendment to also avoid grapefruit juice and other foods that inhibit CYP3A4 while taking imatinib as these foods may increase the plasma concentration of imatinib. |
| 24 April 2013 | Amendment 8: The protocol was amended to revise the information on concomitant use of imatinib and oral vitamin K antagonists in PAH patients. This is based on updated information on the risk of bleeding events, especially subdural hematoma, and the need for these events to receive careful evaluation in PAH patients – as the risk of subdural hematoma is increased in patients taking imatinib and oral vitamin K antagonists concomitantly. |

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.

In 2013, Novartis discontinued the development program of imatinib in pulmonary arterial hypertension (PAH) due to requirement of regulatory authorities for additional data to secure marketing approval in PAH; all global extension studies were closed

Notes: