



## Clinical trial results:

### An Open-label Extension Study of UT-15C in Subjects with Pulmonary Arterial Hypertension - A Long-term Follow-up to Protocol TDE PH-310 Summary

|                          |                                  |
|--------------------------|----------------------------------|
| EudraCT number           | 2012-000098-21                   |
| Trial protocol           | GB DE NL AT FR IT SE BE DK GR PL |
| Global end of trial date | 12 August 2021                   |

#### Results information

|                                |              |
|--------------------------------|--------------|
| Result version number          | v1 (current) |
| This version publication date  | 08 June 2022 |
| First version publication date | 08 June 2022 |

#### Trial information

##### Trial identification

|                       |            |
|-----------------------|------------|
| Sponsor protocol code | TDE-PH-311 |
|-----------------------|------------|

##### Additional study identifiers

|                                    |             |
|------------------------------------|-------------|
| ISRCTN number                      | -           |
| ClinicalTrials.gov id (NCT number) | NCT01560637 |
| WHO universal trial number (UTN)   | -           |

Notes:

#### Sponsors

|                              |  |
|------------------------------|--|
| Sponsor organisation name    | United Therapeutics Corporation  |
| Sponsor organisation address | 55 TW Alexander Dr, Research Triangle Park, United States, 27709   |
| Public contact               | Global Medical Information, United Therapeutics Global Medical Information, 1 919-485-8350, clinicaltrials@unither.com |
| Scientific contact           | Regulatory Department, United Therapeutics Regulatory Department, 1 919-485-8350, RTPRegulatory@unither.com            |

Notes:

#### Paediatric regulatory details

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

Notes:

## Results analysis stage

|  |                  |
|--|------------------|
| Analysis stage                                       | Final            |
| Date of interim/final analysis                       | 02 February 2022 |
| Is this the analysis of the primary completion data? | Yes              |
| Primary completion date                              | 12 August 2021   |
| Global end of trial reached?                         | Yes              |
| Global end of trial date                             | 12 August 2021   |
| Was the trial ended prematurely?                     | No               |

Notes:

## General information about the trial

Main objective of the trial:

The primary objective of this study was to provide UT-15C extended-release tablets for eligible subjects who participated in TDE-PH-310 (A Phase III, International, Multi-center, Randomized, Double-blind, Placebo-controlled, Clinical Worsening Study of UT-15C in Subjects with Pulmonary Arterial Hypertension Receiving Background Oral Monotherapy).

Protection of trial subjects:

The study protocol, protocol amendments, and Informed Consent Forms (ICFs) were submitted for review and approval to each site's Institutional Review Board (IRB) or Independent Ethics Committee (IEC). The IRBs/IECs were organized and functioned in accordance with the US Code of Federal Regulations (CFR; Title 21 CFR, Part 56) and/or applicable local regulations.

This study was conducted in accordance with the ethical principles that have their origins in the Declaration of Helsinki and the International Council for Harmonisation (ICH) E6 Good Clinical Practice (GCP) guidance.

Each subject enrolled in the study was provided with information related to the clinical study, including specifics related to subject participation. This was documented in a written ICF that was approved by the same IRB/IEC responsible for approval of the protocol at the clinical study site. Each ICF included the elements required by the Food and Drug Administration regulations in 21 CFR Part 50. Informed consent was obtained from each subject prior to initiating any study-specific procedures in accordance with Title 21 CFR, Part 50 and ICH E6 GCP guidance. A copy of the signed ICF was given to the subject and the original was retained in the study site's records.

Background therapy:

Subjects could receive a PDE5-I or an sGC stimulator or an ERA as background PAH therapy.

Evidence for comparator: -

|   |                 |
|---|-----------------|
| Actual start date of recruitment                          | 29 October 2012 |
| 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 | Netherlands: 4     |
| Country: Number of subjects enrolled | Poland: 3          |
| Country: Number of subjects enrolled | Sweden: 3          |
| Country: Number of subjects enrolled | United Kingdom: 10 |
| Country: Number of subjects enrolled | Austria: 1         |
| Country: Number of subjects enrolled | China: 128         |
| Country: Number of subjects enrolled | Denmark: 3         |
| Country: Number of subjects enrolled | France: 3          |

|                                      |                        |
|--------------------------------------|------------------------|
| Country: Number of subjects enrolled | Germany: 22            |
| Country: Number of subjects enrolled | Greece: 1              |
| Country: Number of subjects enrolled | Italy: 4               |
| Country: Number of subjects enrolled | Argentina: 2           |
| Country: Number of subjects enrolled | Australia: 17          |
| Country: Number of subjects enrolled | Brazil: 40             |
| Country: Number of subjects enrolled | Canada: 9              |
| Country: Number of subjects enrolled | Chile: 14              |
| Country: Number of subjects enrolled | India: 31              |
| Country: Number of subjects enrolled | Israel: 4              |
| Country: Number of subjects enrolled | Mexico: 76             |
| Country: Number of subjects enrolled | Singapore: 12          |
| Country: Number of subjects enrolled | Korea, Republic of: 15 |
| Country: Number of subjects enrolled | Taiwan: 20             |
| Country: Number of subjects enrolled | United States: 48      |
| Worldwide total number of subjects   | 470                    |
| EEA total number of subjects         | 44                     |

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)                      | 398 |
| From 65 to 84 years                       | 72  |
| 85 years and over                         | 0   |

## Subject disposition

### Recruitment

Recruitment details:

Subjects participated in the parent study, TDE-PH-310, and met the definition of clinical worsening (as specified in TDE-PH-310), remained on study drug, was compliant with study procedures and assessments during TDE-PH-310, or was currently enrolled in that study at the time the study was discontinued by the Sponsor.

### Pre-assignment

Screening details:

To have been eligible for the present TDE-PH-311, participants in TDE-PH-310 either 1) met the definition of clinical worsening (as specified in the TDE PH 310 protocol), and remained on study drug while compliant with study procedures and assessments during TDE PH 310, or 2) were enrolled in that study at the time it was discontinued

### Period 1

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

### Arms

|  |                        |
|--|------------------------|
| Arm title                              | UT-15C                 |
| Arm description: -                     |                        |
| Arm type                               | Active comparator      |
| Investigational medicinal product name | Treprostinil diolamine |
| Investigational medicinal product code |                        |
| Other name                             |                        |
| Pharmaceutical forms                   | Tablet                 |
| Routes of administration               | Oral use               |

Dosage and administration details:

Once all entry criteria were met, placebo- or oral treprostinil-treated subjects from TDE PH 310 were administered oral treprostinil as follows. For subjects who received placebo in TDE-PH-310, dosing of oral treprostinil in TDE-PH-311 was initiated and optimized as in that study, including all safety monitoring and telephone contact. That is, the first dose of oral treprostinil (0.125 mg) was taken at the site by the subject immediately (~10 minutes) after consuming food. Oral dosing of treprostinil continued at 0.125 mg TID (every 6 to 8 hours) immediately after consuming food. Subjects were instructed to take the appropriate number of tablets based upon their prescribed dose. During the first 4 weeks, each dose of oral treprostinil was adjusted in 0.125-mg increments no more than every 24 hours as clinically indicated. Subsequent doses could be adjusted in 0.125- or 0.25-mg increments every 24 hours as necessary to achieve the optimal clinical response. No maximum dose.

| Number of subjects in period 1 | UT-15C |
|--------------------------------|--------|
| Started                        | 470    |
| Completed                      | 272    |
| Not completed                  | 198    |
| Adverse event, serious fatal   | 69     |
| Consent withdrawn by subject   | 24     |
| Adverse event, non-fatal       | 63     |
| Progressive Disease            | 20     |

|                      |   |
|----------------------|---|
| Lost to follow-up    | 8 |
| Reason not Specified | 6 |
| Protocol deviation   | 8 |

## Baseline characteristics

### Reporting groups

|                       |          |
|-----------------------|----------|
| Reporting group title | Baseline |
|-----------------------|----------|

Reporting group description: -

| Reporting group values                                  | Baseline | Total |  |
|---|----------|-------|--|
| Number of subjects                                      | 470      | 470   |  |
| Age categorical   |          |       |  |
| Units: Subjects   |          |       |  |
| In utero  | 0        | 0     |  |
| Preterm newborn infants (gestational age < 37 wks)      | 0        | 0     |  |
| Newborns (0-27 days)                                    | 0        | 0     |  |
| Infants and toddlers (28 days-23 months)                | 0        | 0     |  |
| Children (2-11 years)                                   | 0        | 0     |  |
| Adolescents (12-17 years)                               | 0        | 0     |  |
| Adults (18-64 years)                                    | 398      | 398   |  |
| From 65-84 years  | 72       | 72    |  |
| 85 years and over                                       | 0        | 0     |  |
| Age continuous  |          |       |  |
| Units: years  |          |       |  |
| arithmetic mean   | 47.2     |       |  |
| standard deviation                                      | ± 15.1   | -     |  |
| Gender categorical                                      |          |       |  |
| Units: Subjects   |          |       |  |
| Female  | 374      | 374   |  |
| Male  | 96       | 96    |  |
| Etiology of PAH   |          |       |  |
| Units: Subjects   |          |       |  |
| Idiopathic/Heritable PAH                                | 299      | 299   |  |
| Collagen Vascular Disease                               | 114      | 114   |  |
| HIV Infection   | 8        | 8     |  |
| Congenital Heart Defect                                 | 38       | 38    |  |
| Other   | 11       | 11    |  |
| Background PAH Therapy at Randomization in Parent Study |          |       |  |
| Units: Subjects   |          |       |  |
| PDE5-I Alone or sGC Stimulator Alone                    | 348      | 348   |  |
| ERA Alone   | 122      | 122   |  |
| 6MWD Category at Baseline                               |          |       |  |
| Units: Subjects   |          |       |  |
| ≤440 meters   | 286      | 286   |  |
| >440 m  | 176      | 176   |  |
| Not Applicable  | 8        | 8     |  |
| WHO Functional Class at Baseline                        |          |       |  |
| Units: Subjects   |          |       |  |
| WHO FC I  | 41       | 41    |  |

|                          |         |     |  |
|--------------------------|---------|-----|--|
| WHO FC II                | 226     | 226 |  |
| WHO FC III               | 182     | 182 |  |
| WHO FC IV                | 21      | 21  |  |
| 6MWD at Baseline         |         |     |  |
| Units: meters            |         |     |  |
| arithmetic mean          | 392.0   |     |  |
| standard deviation       | ± 128.1 | -   |  |
| Time since PAH Diagnosis |         |     |  |
| Units: years             |         |     |  |
| arithmetic mean          | 3.16    |     |  |
| standard deviation       | ± 2.69  | -   |  |

### Subject analysis sets

|   |                   |
|---|-------------------|
| Subject analysis set title  | Safety Population |
| Subject analysis set type   | Safety analysis   |
| Subject analysis set description:   |                   |
| All subjects who received oral treprostinil in TDE-PH-311 are included in the Safety Population |                   |

| Reporting group values                                  | Safety Population |  |  |
|---|-------------------|--|--|
| Number of subjects                                      | 470               |  |  |
| Age categorical   |                   |  |  |
| Units: Subjects   |                   |  |  |
| In utero  | 0                 |  |  |
| Preterm newborn infants (gestational age < 37 wks)      | 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)                                    | 398               |  |  |
| From 65-84 years  | 72                |  |  |
| 85 years and over                                       | 0                 |  |  |
| Age continuous  |                   |  |  |
| Units: years  |                   |  |  |
| arithmetic mean   | 47.2              |  |  |
| standard deviation                                      | ± 15.1            |  |  |
| Gender categorical                                      |                   |  |  |
| Units: Subjects   |                   |  |  |
| Female  | 374               |  |  |
| Male  | 96                |  |  |
| Etiology of PAH   |                   |  |  |
| Units: Subjects   |                   |  |  |
| Idiopathic/Heritable PAH                                | 299               |  |  |
| Collagen Vascular Disease                               | 114               |  |  |
| HIV Infection   | 8                 |  |  |
| Congenital Heart Defect                                 | 38                |  |  |
| Other   | 11                |  |  |
| Background PAH Therapy at Randomization in Parent Study |                   |  |  |
| Units: Subjects   |                   |  |  |

|   |         |  |  |
|---|---------|--|--|
| PDE5-I Alone or sGC Stimulator<br>Alone             | 348     |  |  |
| ERA Alone   | 122     |  |  |
| 6MWD Category at Baseline<br>Units: Subjects        |         |  |  |
| ≤440 meters   | 286     |  |  |
| >440 m  | 176     |  |  |
| Not Applicable                                      |         |  |  |
| WHO Functional Class at Baseline<br>Units: Subjects |         |  |  |
| WHO FC I  | 41      |  |  |
| WHO FC II   | 226     |  |  |
| WHO FC III  | 182     |  |  |
| WHO FC IV   | 21      |  |  |
| 6MWD at Baseline<br>Units: meters                   |         |  |  |
| arithmetic mean                                     | 392.0   |  |  |
| standard deviation                                  | ± 128.1 |  |  |
| Time since PAH Diagnosis<br>Units: years            |         |  |  |
| arithmetic mean                                     | 3.16    |  |  |
| standard deviation                                  | ± 2.69  |  |  |



## End points

### End points reporting groups

|   |                   |
|---|-------------------|
| Reporting group title   | UT-15C            |
| Reporting group description: -  |                   |
| Subject analysis set title  | Safety Population |
| Subject analysis set type   | Safety analysis   |
| Subject analysis set description:   |                   |
| All subjects who received oral treprostinil in TDE-PH-311 are included in the Safety Population |                   |

### Primary: Continued access

|  |                  |
|--|------------------|
| End point title  | Continued access |
| End point description:   |                  |
| The primary objective of this study was to provide or continue to provide oral treprostinil extended-release tablets for eligible subjects who participated in TDE-PH-310. |                  |
| End point type   | Primary          |
| End point timeframe:   |                  |
| From Baseline to EOS   |                  |

| End point values                         | UT-15C          | Safety Population    |  |  |
|--|-----------------|----------------------|--|--|
| Subject group type                       | Reporting group | Subject analysis set |  |  |
| Number of subjects analysed              | 470             | 470                  |  |  |
| Units: n (%)                             |                 |                      |  |  |
| number (not applicable)                  |                 |                      |  |  |
| Received Oral Treprostinil in TDE-PH-310 | 212             | 212                  |  |  |
| Received Placebo in TDE-PH-311           | 258             | 258                  |  |  |

### Statistical analyses

|   |                            |
|---|----------------------------|
| Statistical analysis title                      | Statistical Analysis       |
| Statistical analysis description:               |                            |
| Data is summarized in tables and listings only. |                            |
| Comparison groups                               | UT-15C v Safety Population |
| Number of subjects included in analysis         | 940                        |
| Analysis specification                          | Pre-specified              |
| Analysis type                                   | other <sup>[1]</sup>       |
| P-value   | = 0                        |
| Method  | NA                         |
| Parameter estimate                              | NA                         |
| Point estimate                                  | 0                          |

|                     |            |
|---------------------|------------|
| Confidence interval |            |
| level               | Other: 0 % |
| sides               | 1-sided    |
| upper limit         | 100        |

Notes:

[1] - No statistical analyses were performed. Data summarized in tables and listings only.

### Secondary: 6MWD

|   |           |
|---|-----------|
| End point title   | 6MWD      |
| End point description:<br>Change in 6MWD from Baseline to Week 48 |           |
| End point type  | Secondary |
| End point timeframe:<br>Baseline to Week 48                       |           |

| End point values                     | UT-15C          | Safety Population    |  |  |
|--------------------------------------|-----------------|----------------------|--|--|
| Subject group type                   | Reporting group | Subject analysis set |  |  |
| Number of subjects analysed          | 341             | 341                  |  |  |
| Units: meters                        |                 |                      |  |  |
| arithmetic mean (standard deviation) | 20.1 (± 79.6)   | 20.1 (± 79.6)        |  |  |

### Statistical analyses

No statistical analyses for this end point

### Secondary: Borg Dyspnea Score

|   |                    |
|---|--------------------|
| End point title   | Borg Dyspnea Score |
| End point description:<br>Change in Borg Dyspnea Score from Baseline to Week 48 |                    |
| End point type  | Secondary          |
| End point timeframe:<br>Baseline to Week 48                                     |                    |

| End point values                     | UT-15C          | Safety Population    |  |  |
|--------------------------------------|-----------------|----------------------|--|--|
| Subject group type                   | Reporting group | Subject analysis set |  |  |
| Number of subjects analysed          | 341             | 341                  |  |  |
| Units: Units on a Scale              |                 |                      |  |  |
| arithmetic mean (standard deviation) | -0.49 (± 1.92)  | -0.49 (± 1.92)       |  |  |

## Statistical analyses

No statistical analyses for this end point

### Secondary: WHO Functional Class

End point title WHO Functional Class

End point description:

Change in WHO Functional Class from Baseline to Week 48

End point type Secondary

End point timeframe:

Baseline to Week 48

| End point values                     | UT-15C            | Safety Population    |  |  |
|--------------------------------------|-------------------|----------------------|--|--|
| Subject group type                   | Reporting group   | Subject analysis set |  |  |
| Number of subjects analysed          | 362               | 362                  |  |  |
| Units: Units on a Scale              |                   |                      |  |  |
| arithmetic mean (standard deviation) | -0.2 ( $\pm$ 0.6) | -0.2 ( $\pm$ 0.6)    |  |  |

## Statistical analyses

No statistical analyses for this end point

### Secondary: Plasma NT-proBNP

End point title Plasma NT-proBNP

End point description:

Change in plasma NT-proBNP from Baseline to Week 48

End point type Secondary

End point timeframe:

Baseline to Week 48

| End point values                     | UT-15C                   | Safety Population        |  |  |
|--------------------------------------|--------------------------|--------------------------|--|--|
| Subject group type                   | Reporting group          | Subject analysis set     |  |  |
| Number of subjects analysed          | 322                      | 322                      |  |  |
| Units: pg/mL                         |                          |                          |  |  |
| arithmetic mean (standard deviation) | -179.23 ( $\pm$ 1968.99) | -179.23 ( $\pm$ 1968.99) |  |  |

## Statistical analyses



## Adverse events

### Adverse events information

Timeframe for reporting adverse events:

All AEs were captured from the time the ICF was signed. All AEs were followed until resolution, until they were judged by the Investigator to no longer be clinically significant, or for up to 30 days if the AE extended beyond the final visit.

Adverse event reporting additional description:

Any AEs that were ongoing at the study termination visit from the parent study were recorded as continuing AEs in this open-label study. All SAEs were followed until resolution, death, or the subject was lost to follow-up, even if they were ongoing more than 30 days after completion of the final visit.

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

### Dictionary used

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

|                    |      |
|--------------------|------|
| Dictionary version | 24.0 |
|--------------------|------|

### Reporting groups

|                       |                                    |
|-----------------------|------------------------------------|
| Reporting group title | Adverse Events - Safety Population |
|-----------------------|------------------------------------|

Reporting group description:

All subjects who received oral treprostinil in TDE-PH-311 are included in the Safety Population.

| Serious adverse events  | Adverse Events - Safety Population |  |  |
|---|------------------------------------|--|--|
| Total subjects affected by serious adverse events                   |                                    |  |  |
| subjects affected / exposed   | 206 / 470 (43.83%)                 |  |  |
| number of deaths (all causes)                                       | 74                                 |  |  |
| number of deaths resulting from adverse events                      |                                    |  |  |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) |                                    |  |  |
| Adenocarcinoma  |                                    |  |  |
| subjects affected / exposed   | 1 / 470 (0.21%)                    |  |  |
| occurrences causally related to treatment / all                     | 0 / 1                              |  |  |
| deaths causally related to treatment / all                          | 0 / 1                              |  |  |
| Breast cancer   |                                    |  |  |
| subjects affected / exposed   | 1 / 470 (0.21%)                    |  |  |
| occurrences causally related to treatment / all                     | 0 / 1                              |  |  |
| deaths causally related to treatment / all                          | 0 / 0                              |  |  |
| Chronic myeloid leukaemia   |                                    |  |  |
| subjects affected / exposed   | 1 / 470 (0.21%)                    |  |  |
| occurrences causally related to treatment / all                     | 0 / 1                              |  |  |
| deaths causally related to treatment / all                          | 0 / 0                              |  |  |
| Diffuse large B-cell lymphoma                                       |                                    |  |  |

|   |                 |  |  |
|---|-----------------|--|--|
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 1           |  |  |
| Hepatic cancer recurrent                        |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Hepatocellular carcinoma                        |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 3           |  |  |
| deaths causally related to treatment / all      | 0 / 1           |  |  |
| Lung neoplasm malignant                         |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Malignant pleural effusion                      |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 1 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Ovarian adenoma                                 |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| POEMS syndrome                                  |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Vascular disorders                              |                 |  |  |
| Hypotension                                     |                 |  |  |
| subjects affected / exposed                     | 6 / 470 (1.28%) |  |  |
| occurrences causally related to treatment / all | 3 / 6           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Shock   |                 |  |  |

|  |                 |  |  |
|--|-----------------|--|--|
| subjects affected / exposed                          | 3 / 470 (0.64%) |  |  |
| occurrences causally related to treatment / all      | 2 / 3           |  |  |
| deaths causally related to treatment / all           | 0 / 0           |  |  |
| Peripheral arterial occlusive disease                |                 |  |  |
| subjects affected / exposed                          | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all      | 0 / 1           |  |  |
| deaths causally related to treatment / all           | 0 / 0           |  |  |
| Surgical and medical procedures                      |                 |  |  |
| Abortion induced                                     |                 |  |  |
| subjects affected / exposed                          | 2 / 470 (0.43%) |  |  |
| occurrences causally related to treatment / all      | 0 / 2           |  |  |
| deaths causally related to treatment / all           | 0 / 0           |  |  |
| General disorders and administration site conditions |                 |  |  |
| Multiple organ dysfunction syndrome                  |                 |  |  |
| subjects affected / exposed                          | 3 / 470 (0.64%) |  |  |
| occurrences causally related to treatment / all      | 1 / 3           |  |  |
| deaths causally related to treatment / all           | 0 / 0           |  |  |
| Chest pain   |                 |  |  |
| subjects affected / exposed                          | 2 / 470 (0.43%) |  |  |
| occurrences causally related to treatment / all      | 0 / 3           |  |  |
| deaths causally related to treatment / all           | 0 / 0           |  |  |
| Oedema   |                 |  |  |
| subjects affected / exposed                          | 2 / 470 (0.43%) |  |  |
| occurrences causally related to treatment / all      | 2 / 2           |  |  |
| deaths causally related to treatment / all           | 0 / 0           |  |  |
| Sudden death   |                 |  |  |
| subjects affected / exposed                          | 2 / 470 (0.43%) |  |  |
| occurrences causally related to treatment / all      | 1 / 2           |  |  |
| deaths causally related to treatment / all           | 1 / 2           |  |  |
| Asthenia   |                 |  |  |
| subjects affected / exposed                          | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all      | 0 / 1           |  |  |
| deaths causally related to treatment / all           | 0 / 0           |  |  |

|   |                 |  |  |
|---|-----------------|--|--|
| Chest discomfort                                |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Disease progression                             |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Generalised oedema                              |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Oedema peripheral                               |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Pyrexia   |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Sudden cardiac death                            |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 1           |  |  |
| Reproductive system and breast disorders        |                 |  |  |
| Breast mass                                     |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Fibrocystic breast disease                      |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |



|   |                   |  |  |  |
|---|-------------------|--|--|--|
| Intermenstrual bleeding                         |                   |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%)   |  |  |  |
| occurrences causally related to treatment / all | 0 / 1             |  |  |  |
| deaths causally related to treatment / all      | 0 / 0             |  |  |  |
| Ovarian cyst                                    |                   |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%)   |  |  |  |
| occurrences causally related to treatment / all | 0 / 1             |  |  |  |
| deaths causally related to treatment / all      | 0 / 0             |  |  |  |
| Pelvic fluid collection                         |                   |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%)   |  |  |  |
| occurrences causally related to treatment / all | 0 / 1             |  |  |  |
| deaths causally related to treatment / all      | 0 / 0             |  |  |  |
| Respiratory, thoracic and mediastinal disorders |                   |  |  |  |
| Pulmonary hypertension                          |                   |  |  |  |
| subjects affected / exposed                     | 57 / 470 (12.13%) |  |  |  |
| occurrences causally related to treatment / all | 7 / 79            |  |  |  |
| deaths causally related to treatment / all      | 1 / 1             |  |  |  |
| Respiratory failure                             |                   |  |  |  |
| subjects affected / exposed                     | 8 / 470 (1.70%)   |  |  |  |
| occurrences causally related to treatment / all | 1 / 8             |  |  |  |
| deaths causally related to treatment / all      | 0 / 2             |  |  |  |
| Dyspnoea  |                   |  |  |  |
| subjects affected / exposed                     | 7 / 470 (1.49%)   |  |  |  |
| occurrences causally related to treatment / all | 1 / 7             |  |  |  |
| deaths causally related to treatment / all      | 0 / 0             |  |  |  |
| Hypoxia   |                   |  |  |  |
| subjects affected / exposed                     | 5 / 470 (1.06%)   |  |  |  |
| occurrences causally related to treatment / all | 0 / 5             |  |  |  |
| deaths causally related to treatment / all      | 0 / 0             |  |  |  |
| Acute respiratory failure                       |                   |  |  |  |
| subjects affected / exposed                     | 3 / 470 (0.64%)   |  |  |  |
| occurrences causally related to treatment / all | 0 / 3             |  |  |  |
| deaths causally related to treatment / all      | 0 / 1             |  |  |  |

|   |                 |  |  |  |
|---|-----------------|--|--|--|
| Haemoptysis                                     |                 |  |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |  |
| occurrences causally related to treatment / all | 1 / 2           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Dyspnoea exertional                             |                 |  |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Pulmonary oedema                                |                 |  |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |  |
| occurrences causally related to treatment / all | 2 / 2           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Acute pulmonary oedema                          |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Acute respiratory distress syndrome             |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Interstitial lung disease                       |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 1 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Pneumonia aspiration                            |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Pulmonary arterial hypertension                 |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Pulmonary embolism                              |                 |  |  |  |

|   |                 |  |  |
|---|-----------------|--|--|
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Psychiatric disorders                           |                 |  |  |
| Delirium  |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Mental status changes                           |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Investigations                                  |                 |  |  |
| Catheterisation cardiac                         |                 |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Blood creatinine increased                      |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Coagulation time prolonged                      |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Transaminases increased                         |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Injury, poisoning and procedural complications  |                 |  |  |
| Hand fracture                                   |                 |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |

|   |                 |  |  |  |
|---|-----------------|--|--|--|
| Accidental overdose                             |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 1 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Arteriovenous fistula site haemorrhage          |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Fall  |                 |  |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Intentional overdose                            |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 1 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Pelvic fracture                                 |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Post procedural haemorrhage                     |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 1 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Road traffic accident                           |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Splenic rupture                                 |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Subdural haematoma                              |                 |  |  |  |

|   |                  |  |  |
|---|------------------|--|--|
| subjects affected / exposed                     | 1 / 470 (0.21%)  |  |  |
| occurrences causally related to treatment / all | 0 / 1            |  |  |
| deaths causally related to treatment / all      | 0 / 0            |  |  |
| Cardiac disorders                               |                  |  |  |
| Right ventricular failure                       |                  |  |  |
| subjects affected / exposed                     | 22 / 470 (4.68%) |  |  |
| occurrences causally related to treatment / all | 1 / 27           |  |  |
| deaths causally related to treatment / all      | 0 / 0            |  |  |
| Cardiac failure                                 |                  |  |  |
| subjects affected / exposed                     | 19 / 470 (4.04%) |  |  |
| occurrences causally related to treatment / all | 5 / 25           |  |  |
| deaths causally related to treatment / all      | 2 / 9            |  |  |
| Cardiac arrest                                  |                  |  |  |
| subjects affected / exposed                     | 4 / 470 (0.85%)  |  |  |
| occurrences causally related to treatment / all | 0 / 4            |  |  |
| deaths causally related to treatment / all      | 0 / 1            |  |  |
| Cardiogenic shock                               |                  |  |  |
| subjects affected / exposed                     | 4 / 470 (0.85%)  |  |  |
| occurrences causally related to treatment / all | 0 / 4            |  |  |
| deaths causally related to treatment / all      | 0 / 1            |  |  |
| Atrial fibrillation                             |                  |  |  |
| subjects affected / exposed                     | 3 / 470 (0.64%)  |  |  |
| occurrences causally related to treatment / all | 0 / 3            |  |  |
| deaths causally related to treatment / all      | 0 / 0            |  |  |
| Atrial flutter                                  |                  |  |  |
| subjects affected / exposed                     | 3 / 470 (0.64%)  |  |  |
| occurrences causally related to treatment / all | 0 / 3            |  |  |
| deaths causally related to treatment / all      | 0 / 0            |  |  |
| Cardiac failure congestive                      |                  |  |  |
| subjects affected / exposed                     | 3 / 470 (0.64%)  |  |  |
| occurrences causally related to treatment / all | 0 / 3            |  |  |
| deaths causally related to treatment / all      | 0 / 0            |  |  |
| Cor pulmonale                                   |                  |  |  |

|   |                 |  |  |  |
|---|-----------------|--|--|--|
| subjects affected / exposed                     | 3 / 470 (0.64%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 3           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Myocardial infarction                           |                 |  |  |  |
| subjects affected / exposed                     | 3 / 470 (0.64%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 3           |  |  |  |
| deaths causally related to treatment / all      | 0 / 1           |  |  |  |
| Atrioventricular block complete                 |                 |  |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Cardiac failure acute                           |                 |  |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Cardiopulmonary failure                         |                 |  |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Pericardial effusion                            |                 |  |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Right ventricular dysfunction                   |                 |  |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Supraventricular tachycardia                    |                 |  |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Acute myocardial infarction                     |                 |  |  |  |

|   |                 |  |  |  |
|---|-----------------|--|--|--|
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 1           |  |  |  |
| Acute right ventricular failure                 |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Aortic valve incompetence                       |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Arrhythmia                                      |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Atrioventricular block                          |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Atrioventricular block second degree            |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Cardiac failure chronic                         |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Cardio-respiratory arrest                       |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Cor pulmonale acute                             |                 |  |  |  |

|   |                 |  |  |
|---|-----------------|--|--|
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Coronary artery disease                         |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Pericarditis                                    |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Pulseless electrical activity                   |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Sinus tachycardia                               |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Tricuspid valve incompetence                    |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Nervous system disorders                        |                 |  |  |
| Syncope   |                 |  |  |
| subjects affected / exposed                     | 4 / 470 (0.85%) |  |  |
| occurrences causally related to treatment / all | 1 / 4           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Cerebrovascular accident                        |                 |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |
| deaths causally related to treatment / all      | 0 / 1           |  |  |
| Brain injury                                    |                 |  |  |



|   |                 |  |  |  |
|---|-----------------|--|--|--|
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Coma  |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Headache  |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 1 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Hepatic encephalopathy                          |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Ischaemic stroke                                |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Loss of consciousness                           |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 1 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Metabolic encephalopathy                        |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Presyncope                                      |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Seizure   |                 |  |  |  |

|   |                 |  |  |
|---|-----------------|--|--|
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Blood and lymphatic system disorders            |                 |  |  |
| Anaemia   |                 |  |  |
| subjects affected / exposed                     | 5 / 470 (1.06%) |  |  |
| occurrences causally related to treatment / all | 0 / 5           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Thrombocytopenia                                |                 |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |
| occurrences causally related to treatment / all | 1 / 2           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Anaemia of malignant disease                    |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Erythropenia                                    |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 1 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Haemolytic anaemia                              |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Iron deficiency anaemia                         |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Pancytopenia                                    |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 1 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Ear and labyrinth disorders                     |                 |  |  |

|   |                 |  |  |
|---|-----------------|--|--|
| Vertigo   |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Eye disorders                                   |                 |  |  |
| Amaurosis                                       |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 1 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Endocrine ophthalmopathy                        |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Gastrointestinal disorders                      |                 |  |  |
| Diarrhoea                                       |                 |  |  |
| subjects affected / exposed                     | 6 / 470 (1.28%) |  |  |
| occurrences causally related to treatment / all | 4 / 6           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Upper gastrointestinal haemorrhage              |                 |  |  |
| subjects affected / exposed                     | 3 / 470 (0.64%) |  |  |
| occurrences causally related to treatment / all | 0 / 5           |  |  |
| deaths causally related to treatment / all      | 0 / 1           |  |  |
| Vomiting  |                 |  |  |
| subjects affected / exposed                     | 3 / 470 (0.64%) |  |  |
| occurrences causally related to treatment / all | 3 / 3           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Abdominal pain                                  |                 |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |
| occurrences causally related to treatment / all | 2 / 2           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Melaena   |                 |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |
| occurrences causally related to treatment / all | 1 / 2           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |

|   |                 |  |  |  |
|---|-----------------|--|--|--|
| Abdominal distension                            |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Acute abdomen                                   |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Ascites   |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Colitis   |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Diverticulum                                    |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Enteritis                                       |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Gastric polyps                                  |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Gastric varices haemorrhage                     |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 1 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Gastritis                                       |                 |  |  |  |

|   |                 |  |  |
|---|-----------------|--|--|
| subjects affected / exposed                         | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all     | 1 / 1           |  |  |
| deaths causally related to treatment / all          | 0 / 0           |  |  |
| Gastritis haemorrhagic                              |                 |  |  |
| subjects affected / exposed                         | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all     | 0 / 1           |  |  |
| deaths causally related to treatment / all          | 0 / 0           |  |  |
| Gastrointestinal disorder                           |                 |  |  |
| subjects affected / exposed                         | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all     | 1 / 1           |  |  |
| deaths causally related to treatment / all          | 0 / 0           |  |  |
| Gastrointestinal haemorrhage                        |                 |  |  |
| subjects affected / exposed                         | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all     | 0 / 1           |  |  |
| deaths causally related to treatment / all          | 0 / 0           |  |  |
| Gastrointestinal polyp haemorrhage                  |                 |  |  |
| subjects affected / exposed                         | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all     | 0 / 1           |  |  |
| deaths causally related to treatment / all          | 0 / 0           |  |  |
| Gastrointestinal vascular malformation haemorrhagic |                 |  |  |
| subjects affected / exposed                         | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all     | 2 / 2           |  |  |
| deaths causally related to treatment / all          | 0 / 0           |  |  |
| Gastrooesophageal reflux disease                    |                 |  |  |
| subjects affected / exposed                         | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all     | 1 / 1           |  |  |
| deaths causally related to treatment / all          | 0 / 0           |  |  |
| Ileus   |                 |  |  |
| subjects affected / exposed                         | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all     | 0 / 1           |  |  |
| deaths causally related to treatment / all          | 0 / 0           |  |  |
| Inguinal hernia                                     |                 |  |  |

|   |                 |  |  |
|---|-----------------|--|--|
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Intestinal obstruction                          |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Large intestine polyp                           |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Mechanical ileus                                |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Portal hypertensive gastropathy                 |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Rectal haemorrhage                              |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Hepatobiliary disorders                         |                 |  |  |
| Cholecystitis acute                             |                 |  |  |
| subjects affected / exposed                     | 5 / 470 (1.06%) |  |  |
| occurrences causally related to treatment / all | 0 / 5           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Hepatic function abnormal                       |                 |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Acute hepatic failure                           |                 |  |  |

|   |                 |  |  |  |
|---|-----------------|--|--|--|
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 1           |  |  |  |
| Biliary tract disorder                          |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Cholestasis                                     |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Congestive hepatopathy                          |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Hepatic cirrhosis                               |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 1 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Hepatic failure                                 |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 1           |  |  |  |
| Hepatitis                                       |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Liver injury                                    |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 1 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Subcapsular hepatic haematoma                   |                 |  |  |  |

|   |                 |  |  |
|---|-----------------|--|--|
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Skin and subcutaneous tissue disorders          |                 |  |  |
| Rash  |                 |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |
| occurrences causally related to treatment / all | 1 / 2           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Purpura   |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Renal and urinary disorders                     |                 |  |  |
| Acute kidney injury                             |                 |  |  |
| subjects affected / exposed                     | 7 / 470 (1.49%) |  |  |
| occurrences causally related to treatment / all | 2 / 8           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Renal failure                                   |                 |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |
| deaths causally related to treatment / all      | 0 / 1           |  |  |
| Chronic kidney disease                          |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Glomerulonephritis acute                        |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Haematuria                                      |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Lupus nephritis                                 |                 |  |  |



|   |                 |  |  |
|---|-----------------|--|--|
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Renal vasculitis                                |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Scleroderma renal crisis                        |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Tubulointerstitial nephritis                    |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Urinary bladder polyp                           |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Endocrine disorders                             |                 |  |  |
| Hyperthyroidism                                 |                 |  |  |
| subjects affected / exposed                     | 4 / 470 (0.85%) |  |  |
| occurrences causally related to treatment / all | 0 / 4           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Adrenocortical insufficiency acute              |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Musculoskeletal and connective tissue disorders |                 |  |  |
| Systemic lupus erythematosus                    |                 |  |  |
| subjects affected / exposed                     | 3 / 470 (0.64%) |  |  |
| occurrences causally related to treatment / all | 1 / 3           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |

|   |                  |  |  |
|---|------------------|--|--|
| Osteonecrosis                                   |                  |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%)  |  |  |
| occurrences causally related to treatment / all | 0 / 2            |  |  |
| deaths causally related to treatment / all      | 0 / 0            |  |  |
| Sjogren's syndrome                              |                  |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%)  |  |  |
| occurrences causally related to treatment / all | 0 / 2            |  |  |
| deaths causally related to treatment / all      | 0 / 0            |  |  |
| Muscle atrophy                                  |                  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%)  |  |  |
| occurrences causally related to treatment / all | 1 / 1            |  |  |
| deaths causally related to treatment / all      | 0 / 0            |  |  |
| Osteoarthritis                                  |                  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%)  |  |  |
| occurrences causally related to treatment / all | 0 / 1            |  |  |
| deaths causally related to treatment / all      | 0 / 0            |  |  |
| Infections and infestations                     |                  |  |  |
| Pneumonia                                       |                  |  |  |
| subjects affected / exposed                     | 32 / 470 (6.81%) |  |  |
| occurrences causally related to treatment / all | 5 / 39           |  |  |
| deaths causally related to treatment / all      | 1 / 1            |  |  |
| Septic shock                                    |                  |  |  |
| subjects affected / exposed                     | 9 / 470 (1.91%)  |  |  |
| occurrences causally related to treatment / all | 1 / 9            |  |  |
| deaths causally related to treatment / all      | 0 / 4            |  |  |
| Gastroenteritis                                 |                  |  |  |
| subjects affected / exposed                     | 6 / 470 (1.28%)  |  |  |
| occurrences causally related to treatment / all | 2 / 6            |  |  |
| deaths causally related to treatment / all      | 0 / 0            |  |  |
| Respiratory tract infection                     |                  |  |  |
| subjects affected / exposed                     | 5 / 470 (1.06%)  |  |  |
| occurrences causally related to treatment / all | 0 / 5            |  |  |
| deaths causally related to treatment / all      | 0 / 0            |  |  |
| Sepsis  |                  |  |  |

|   |                 |  |  |  |
|---|-----------------|--|--|--|
| subjects affected / exposed                     | 5 / 470 (1.06%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 5           |  |  |  |
| deaths causally related to treatment / all      | 0 / 1           |  |  |  |
| Urinary tract infection                         |                 |  |  |  |
| subjects affected / exposed                     | 5 / 470 (1.06%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 5           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Appendicitis                                    |                 |  |  |  |
| subjects affected / exposed                     | 3 / 470 (0.64%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 5           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| COVID-19  |                 |  |  |  |
| subjects affected / exposed                     | 3 / 470 (0.64%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 3           |  |  |  |
| deaths causally related to treatment / all      | 0 / 1           |  |  |  |
| COVID-19 pneumonia                              |                 |  |  |  |
| subjects affected / exposed                     | 3 / 470 (0.64%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 3           |  |  |  |
| deaths causally related to treatment / all      | 0 / 2           |  |  |  |
| Bronchitis                                      |                 |  |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Cellulitis                                      |                 |  |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Clostridium difficile colitis                   |                 |  |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Peritonitis                                     |                 |  |  |  |

|   |                 |  |  |
|---|-----------------|--|--|
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |
| occurrences causally related to treatment / all | 1 / 2           |  |  |
| deaths causally related to treatment / all      | 0 / 1           |  |  |
| Upper respiratory tract infection               |                 |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Bacteraemia                                     |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Bacterial translocation                         |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Cholecystitis infective                         |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Diarrhoea infectious                            |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Diverticulitis                                  |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Enteritis infectious                            |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Gangrene  |                 |  |  |

|   |                 |  |  |  |
|---|-----------------|--|--|--|
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Infective exacerbation of bronchiectasis        |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Influenza                                       |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Lower respiratory tract infection               |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Meningitis listeria                             |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 1           |  |  |  |
| Ophthalmic herpes zoster                        |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Pneumonia influenzal                            |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Sialoadenitis                                   |                 |  |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |  |
| Staphylococcal sepsis                           |                 |  |  |  |

|   |                 |  |  |
|---|-----------------|--|--|
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Urosepsis                                       |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Metabolism and nutrition disorders              |                 |  |  |
| Fluid overload                                  |                 |  |  |
| subjects affected / exposed                     | 3 / 470 (0.64%) |  |  |
| occurrences causally related to treatment / all | 0 / 5           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Dehydration                                     |                 |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |
| occurrences causally related to treatment / all | 0 / 2           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Electrolyte imbalance                           |                 |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |
| occurrences causally related to treatment / all | 0 / 3           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Hypokalaemia                                    |                 |  |  |
| subjects affected / exposed                     | 2 / 470 (0.43%) |  |  |
| occurrences causally related to treatment / all | 1 / 2           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Gout  |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Hyperglycaemia                                  |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Hyperuricaemia                                  |                 |  |  |

|   |                 |  |  |
|---|-----------------|--|--|
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Hypervolaemia                                   |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 0 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |
| Metabolic acidosis                              |                 |  |  |
| subjects affected / exposed                     | 1 / 470 (0.21%) |  |  |
| occurrences causally related to treatment / all | 1 / 1           |  |  |
| deaths causally related to treatment / all      | 0 / 0           |  |  |

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

| <b>Non-serious adverse events</b>                     | Adverse Events - Safety Population |  |  |
|---|------------------------------------|--|--|
| Total subjects affected by non-serious adverse events |                                    |  |  |
| subjects affected / exposed                           | 450 / 470 (95.74%)                 |  |  |
| Investigations  |                                    |  |  |
| Weight decreased                                      |                                    |  |  |
| subjects affected / exposed                           | 25 / 470 (5.32%)                   |  |  |
| occurrences (all)                                     | 25                                 |  |  |
| Vascular disorders                                    |                                    |  |  |
| Flushing  |                                    |  |  |
| subjects affected / exposed                           | 201 / 470 (42.77%)                 |  |  |
| occurrences (all)                                     | 204                                |  |  |
| Hypotension   |                                    |  |  |
| subjects affected / exposed                           | 36 / 470 (7.66%)                   |  |  |
| occurrences (all)                                     | 42                                 |  |  |
| Cardiac disorders                                     |                                    |  |  |
| Palpitations  |                                    |  |  |
| subjects affected / exposed                           | 74 / 470 (15.74%)                  |  |  |
| occurrences (all)                                     | 81                                 |  |  |
| Right ventricular failure                             |                                    |  |  |
| subjects affected / exposed                           | 39 / 470 (8.30%)                   |  |  |
| occurrences (all)                                     | 54                                 |  |  |

|  |  |  |  |
|--|--|--|--|
| Cardiac failure<br>subjects affected / exposed<br>occurrences (all)  | 26 / 470 (5.53%)<br>34   |  |  |
| Nervous system disorders<br>Headache<br>subjects affected / exposed<br>occurrences (all)<br><br>Dizziness<br>subjects affected / exposed<br>occurrences (all)  | 328 / 470 (69.79%)<br>348<br><br>120 / 470 (25.53%)<br>131   |  |  |
| Blood and lymphatic system disorders<br>Anaemia<br>subjects affected / exposed<br>occurrences (all)<br><br>Thrombocytopenia<br>subjects affected / exposed<br>occurrences (all)  | 51 / 470 (10.85%)<br>55<br><br>17 / 470 (3.62%)<br>19  |  |  |
| General disorders and administration<br>site conditions<br>Oedema peripheral<br>subjects affected / exposed<br>occurrences (all)<br><br>Fatigue<br>subjects affected / exposed<br>occurrences (all)<br><br>Chest pain<br>subjects affected / exposed<br>occurrences (all)<br><br>Asthenia<br>subjects affected / exposed<br>occurrences (all)<br><br>Pyrexia<br>subjects affected / exposed<br>occurrences (all) | 85 / 470 (18.09%)<br>98<br><br>64 / 470 (13.62%)<br>68<br><br>45 / 470 (9.57%)<br>54<br><br>34 / 470 (7.23%)<br>38<br><br>24 / 470 (5.11%)<br>24 |  |  |
| Gastrointestinal disorders<br>Abdominal distension   |  |  |  |



|   |                    |  |  |
|---|--------------------|--|--|
| subjects affected / exposed                     | 35 / 470 (7.45%)   |  |  |
| occurrences (all)                               | 38                 |  |  |
| Diarrhoea                                       |                    |  |  |
| subjects affected / exposed                     | 311 / 470 (66.17%) |  |  |
| occurrences (all)                               | 354                |  |  |
| Nausea  |                    |  |  |
| subjects affected / exposed                     | 188 / 470 (40.00%) |  |  |
| occurrences (all)                               | 197                |  |  |
| Vomiting  |                    |  |  |
| subjects affected / exposed                     | 147 / 470 (31.28%) |  |  |
| occurrences (all)                               | 161                |  |  |
| Abdominal pain                                  |                    |  |  |
| subjects affected / exposed                     | 40 / 470 (8.51%)   |  |  |
| occurrences (all)                               | 43                 |  |  |
| Abdominal pain upper                            |                    |  |  |
| subjects affected / exposed                     | 38 / 470 (8.09%)   |  |  |
| occurrences (all)                               | 40                 |  |  |
| Gastrooesophageal reflux disease                |                    |  |  |
| subjects affected / exposed                     | 36 / 470 (7.66%)   |  |  |
| occurrences (all)                               | 37                 |  |  |
| Abdominal discomfort                            |                    |  |  |
| subjects affected / exposed                     | 30 / 470 (6.38%)   |  |  |
| occurrences (all)                               | 30                 |  |  |
| Dyspepsia                                       |                    |  |  |
| subjects affected / exposed                     | 28 / 470 (5.96%)   |  |  |
| occurrences (all)                               | 30                 |  |  |
| Colitis   |                    |  |  |
| subjects affected / exposed                     | 25 / 470 (5.32%)   |  |  |
| occurrences (all)                               | 29                 |  |  |
| Respiratory, thoracic and mediastinal disorders |                    |  |  |
| Dyspnoea  |                    |  |  |
| subjects affected / exposed                     | 113 / 470 (24.04%) |  |  |
| occurrences (all)                               | 131                |  |  |
| Pulmonary hypertension                          |                    |  |  |

|   |                    |  |  |
|---|--------------------|--|--|
| subjects affected / exposed                     | 103 / 470 (21.91%) |  |  |
| occurrences (all)                               | 147                |  |  |
| Cough   |                    |  |  |
| subjects affected / exposed                     | 72 / 470 (15.32%)  |  |  |
| occurrences (all)                               | 76                 |  |  |
| Epistaxis                                       |                    |  |  |
| subjects affected / exposed                     | 24 / 470 (5.11%)   |  |  |
| occurrences (all)                               | 26                 |  |  |
| Psychiatric disorders                           |                    |  |  |
| Insomnia  |                    |  |  |
| subjects affected / exposed                     | 40 / 470 (8.51%)   |  |  |
| occurrences (all)                               | 41                 |  |  |
| Musculoskeletal and connective tissue disorders |                    |  |  |
| Pain in jaw                                     |                    |  |  |
| subjects affected / exposed                     | 103 / 470 (21.91%) |  |  |
| occurrences (all)                               | 106                |  |  |
| Myalgia   |                    |  |  |
| subjects affected / exposed                     | 78 / 470 (16.60%)  |  |  |
| occurrences (all)                               | 82                 |  |  |
| Pain in extremity                               |                    |  |  |
| subjects affected / exposed                     | 78 / 470 (16.60%)  |  |  |
| occurrences (all)                               | 90                 |  |  |
| Arthralgia                                      |                    |  |  |
| subjects affected / exposed                     | 57 / 470 (12.13%)  |  |  |
| occurrences (all)                               | 69                 |  |  |
| Back pain                                       |                    |  |  |
| subjects affected / exposed                     | 41 / 470 (8.72%)   |  |  |
| occurrences (all)                               | 45                 |  |  |
| Infections and infestations                     |                    |  |  |
| Upper respiratory tract infection               |                    |  |  |
| subjects affected / exposed                     | 116 / 470 (24.68%) |  |  |
| occurrences (all)                               | 160                |  |  |
| Nasopharyngitis                                 |                    |  |  |
| subjects affected / exposed                     | 61 / 470 (12.98%)  |  |  |
| occurrences (all)                               | 85                 |  |  |
| Pneumonia                                       |                    |  |  |

|   |                         |  |  |
|---|-------------------------|--|--|
| subjects affected / exposed<br>occurrences (all)                            | 50 / 470 (10.64%)<br>59 |  |  |
| Bronchitis<br>subjects affected / exposed<br>occurrences (all)              | 31 / 470 (6.60%)<br>41  |  |  |
| Urinary tract infection<br>subjects affected / exposed<br>occurrences (all) | 30 / 470 (6.38%)<br>37  |  |  |
| Metabolism and nutrition disorders  |                         |  |  |
| Hypokalaemia<br>subjects affected / exposed<br>occurrences (all)            | 50 / 470 (10.64%)<br>56 |  |  |
| Decreased appetite<br>subjects affected / exposed<br>occurrences (all)      | 41 / 470 (8.72%)<br>43  |  |  |

## More information

### Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date              | Amendment  |
|-------------------|--|
| 14 March 2012     | <ul style="list-style-type: none"><li>Added that AEs extending beyond the final visit were followed for up to 30 days.</li><li>Clarified timing of subject contact to assess death and/or AEs following the last study visit.</li><li>Updated Guidelines and Definitions for Recording AEs (Section 15.4) to reflect current data capture conventions for AEs.</li></ul>   |
| 13 June 2012      | <ul style="list-style-type: none"><li>Duration of contraceptive use for WOCBP following last dose of study drug was expanded to 30 days.</li><li>Pregnancy reporting procedures were updated.</li><li>Updated Guidelines and Definitions for Recording AEs (Section 15.4) to reflect current data capture conventions for AEs regarding action taken.</li></ul>  |
| 05 December 2012  | <ul style="list-style-type: none"><li>Dosing was changed from twice daily (BID) to TID.</li><li>Results of an additional open-label study were added to better understand TID dosing pharmacokinetics.</li><li>Clinical laboratory assessments updated to be assessed at all Follow-up Visits.</li><li>Timing of TID dosing following meals was updated.</li><li>Exercise capacity (6MWD and Borg dyspnea score) timing changed to following the last study dose.</li><li>Added that site personnel will be unblinded to treatment assignments following the Study Termination assessments for TDE-PH-310.</li><li>Removed caloric requirements for meals preceding the 6MWT.</li></ul>  |
| 10 March 2014     | <ul style="list-style-type: none"><li>Clarified the logistics of dosing every 6 to 8 hours TID, including the intake of only a partial meal prior to study drug administration.</li><li>Updated newly approved PAH therapies and background data for oral treprostinil.</li><li>Updated estimated study duration to 4 years.</li><li>Clarified abstinence in inclusion criterion to align with regulatory agency review.</li><li>Allowed subjects who temporarily used a prostacyclin (28 days or less) to be included in the study.</li><li>Method for recording and reporting AEs associated with progression of PAH was clarified.</li><li>Storage temperature of study drug updated to be consistent with study drug labels.</li></ul> |
| 09 January 2015   | <ul style="list-style-type: none"><li>Reduced sample size based on the amendment to TDE-PH-310.</li></ul>  |
| 29 September 2016 | <ul style="list-style-type: none"><li>Increased the number of subjects enrolled from approximately 610 subjects to up to 850 subjects.</li><li>Added clarification that clinical worsening events in TDE-PH-310 include cases of morbidity or mortality.</li><li>Updated the number of subjects that have been treated with Remodulin from 7000 to 17,000.</li><li>Added Uptravi® (Actelion Pharmaceuticals US, Inc.) as an approved pharmacotherapy for PAH.</li><li>Information regarding TDE-PH-304 was revised to include data from the 01 September 2015 data cut.</li></ul>  |

|              |  |
|--------------|--|
| 13 July 2018 | <ul style="list-style-type: none"> <li>• Added exploratory objectives for optional evaluation of pharmacogenomics.</li> <li>• Increased the estimated study duration from 4 years to approximately 6 years.</li> </ul> |
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Notes:

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## **Interruptions (globally)**

Were there any global interruptions to the trial? No

## **Limitations and caveats**

None reported