



Clinical trial results:

INBUILD®: A double-blind, randomised, placebo-controlled trial evaluating the efficacy and safety of nintedanib over 52 weeks in patients with Progressive Fibrosing Interstitial Lung Disease (PF-ILD)

Summary

| | |
|--------------------------|----------------------|
| EudraCT number | 2015-003360-37 |
| Trial protocol | FR ES BE DE GB PL IT |
| Global end of trial date | 12 August 2019 |

Results information

| | |
|--------------------------------|-----------------|
| Result version number | v2 (current) |
| This version publication date | 11 January 2022 |
| First version publication date | 23 August 2020 |
| Version creation reason | |

Trial information

Trial identification

| | |
|-----------------------|----------|
| Sponsor protocol code | 1199.247 |
|-----------------------|----------|

Additional study identifiers

| | |
|------------------------------------|-------------|
| ISRCTN number | - |
| ClinicalTrials.gov id (NCT number) | NCT02999178 |
| WHO universal trial number (UTN) | - |

Notes:

Sponsors

| | |
|------------------------------|---|
| Sponsor organisation name | Boehringer Ingelheim |
| Sponsor organisation address | Binger Strasse 173, Ingelheim am Rhein, Germany, 55216 |
| Public contact | Boehringer Ingelheim Call Center, QRPE Processes and Systems Coordination Clinical Trial Information Disclosure, +1 18002430127, clintriage.rdg@boehringer-ingelheim.com |
| Scientific contact | QRPE Processes and Systems Coordination Clinical Trial Information Disclosure, Boehringer Ingelheim, +1 18002430127, clintriage.rdg@boehringer-ingelheim.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 | 11 September 2019 |
| Is this the analysis of the primary completion data? | Yes |
| Primary completion date | 23 April 2019 |
| Global end of trial reached? | Yes |
| Global end of trial date | 12 August 2019 |
| Was the trial ended prematurely? | No |

Notes:

General information about the trial

Main objective of the trial:

The aim of the current study was to investigate the efficacy and safety of nintedanib over 52 weeks in patients with Progressive Fibrosing Interstitial Lung Disease (PF-ILD) defined as patients who present with features of diffuse fibrosing lung disease of >10% extent on high-resolution computed tomography (HRCT) and whose lung function and respiratory symptoms or chest imaging have worsened despite treatment with unapproved medications used in clinical practice to treat ILD. There is currently no efficacious treatment available for PF-ILD. Based on its efficacy and safety in Idiopathic Pulmonary Fibrosis (IPF), it is anticipated that Nintedanib will be a new treatment option for patients with PF-ILD.

Protection of trial subjects:

Only subjects that met all the study inclusion and none of the exclusion criteria were to be entered in the study. All subjects were free to withdraw from the clinical trial at any time for any reason given. Close monitoring of all subjects was adhered to throughout the trial conduct. Rescue medication was allowed for all subjects as required.

Background therapy: -

Evidence for comparator: -

| | |
|---|-----------------|
| Actual start date of recruitment | 17 January 2017 |
| 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 | China: 25 |
| Country: Number of subjects enrolled | Japan: 166 |
| Country: Number of subjects enrolled | Korea, Democratic People's Republic of: 39 |
| Country: Number of subjects enrolled | Canada: 17 |
| Country: Number of subjects enrolled | United States: 211 |
| Country: Number of subjects enrolled | Belgium: 29 |
| Country: Number of subjects enrolled | Germany: 79 |
| Country: Number of subjects enrolled | Spain: 65 |
| Country: Number of subjects enrolled | France: 87 |
| Country: Number of subjects enrolled | United Kingdom: 43 |
| Country: Number of subjects enrolled | Italy: 56 |
| Country: Number of subjects enrolled | Poland: 43 |
| Country: Number of subjects enrolled | Russian Federation: 55 |
| Country: Number of subjects enrolled | Argentina: 43 |
| Country: Number of subjects enrolled | Chile: 52 |

| | |
|------------------------------------|------|
| Worldwide total number of subjects | 1010 |
| EEA total number of subjects | 359 |

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) | 404 |
| From 65 to 84 years | 593 |
| 85 years and over | 13 |

Subject disposition

Recruitment

Recruitment details:

Randomised (1:1 ratio), placebo-controlled, double-blind, parallel-group trial comparing nintedanib to placebo over a 52-week treatment period (Part A). Subjects continued on blinded, randomised treatment beyond 52 weeks (Part B). Data base lock (DBL) one was on 6-June-2019, DBL two was on 11-September-2019. Overall Study Period=Part A and B.

Pre-assignment

Screening details:

All subjects were screened for eligibility prior to participation in the trial. Subjects attended a specialist site which ensured that they (the subjects) strictly met all inclusion and none of the exclusion criteria. Subjects were not to be allocated to a treatment group if any of the entry criteria were violated.

Period 1

| | |
|------------------------------|---|
| Period 1 title | Overall Study (overall period) |
| Is this the baseline period? | Yes |
| Allocation method | Randomised - controlled |
| Blinding used | Double blind |
| Roles blinded | Investigator, Monitor, Carer, Data analyst, Assessor, Subject |

Arms

| | |
|------------------------------|-------------------|
| Are arms mutually exclusive? | Yes |
| Arm title | 150 mg Nintedanib |

Arm description:

150 milligram (mg) Nintedanib as soft gelatine capsule, administered orally, twice daily (bid), with optional dose reduction to 100 mg bid to manage adverse events (AEs). Continuous daily dosing over a 52-week treatment period (Part A). After completion of the 52-week treatment period, subjects continued on blinded treatment until the end of the trial or until a reason for treatment withdrawal was met (Part B).

| | |
|--|---------------|
| Arm type | Experimental |
| Investigational medicinal product name | Nintedanib |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Capsule, soft |
| Routes of administration | Oral use |

Dosage and administration details:

150 milligram (mg) Nintedanib as soft gelatine capsule, administered orally, twice daily (bid), with optional dose reduction to 100 mg bid to manage adverse events (AEs). Continuous daily dosing over a 52-week treatment period (Part A). After completion of the 52-week treatment period, subjects continued on blinded treatment until the end of the trial or until a reason for treatment withdrawal was met (Part B).

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

Arm description:

150 mg Nintedanib matching placebo, soft gelatine capsule, administered orally, bid, with optional dose reduction to 100 mg bid to manage AEs. Continuous daily dosing over a 52-week treatment period (Part A). After completion of the 52-week treatment period, subjects continued on blinded treatment until the end of the trial or until a reason for treatment withdrawal was met (Part B).

| | |
|--|---------------|
| Arm type | Placebo |
| Investigational medicinal product name | Placebo |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Capsule, soft |
| Routes of administration | Oral use |

Dosage and administration details:

150 mg Nintedanib matching placebo, soft gelatine capsule, administered orally, bid, with optional dose reduction to 100 mg bid to manage AEs. Continuous daily dosing over a 52-week treatment period (Part A). After completion of the 52-week treatment period, subjects continued on blinded treatment until the end of the trial or until a reason for treatment withdrawal was met (Part B).

| Number of subjects in period 1^[1] | 150 mg Nintedanib | Placebo |
|---|-------------------|---------|
| Started | 332 | 331 |
| Completed | 218 | 231 |
| Not completed | 114 | 100 |
| Other reason not defined above | 7 | 13 |
| Adverse event, serious fatal | 15 | 30 |
| Consent withdrawn by subject | 21 | 21 |
| Adverse event, non-fatal | 70 | 32 |
| Lost to follow-up | - | 2 |
| Protocol deviation | 1 | 2 |

Notes:

[1] - The number of subjects reported to be in the baseline period are not the same as the worldwide number enrolled in the trial. It is expected that these numbers will be the same.

Justification: Baseline characteristics are based on patients who were randomised after successfully completing the screening period and received at least one dose of the trial medication.

Baseline characteristics

Reporting groups

| | |
|--|-------------------|
| Reporting group title | 150 mg Nintedanib |
| Reporting group description: | |
| 150 milligram (mg) Nintedanib as soft gelatine capsule, administered orally, twice daily (bid), with optional dose reduction to 100 mg bid to manage adverse events (AEs). Continuous daily dosing over a 52-week treatment period (Part A). After completion of the 52-week treatment period, subjects continued on blinded treatment until the end of the trial or until a reason for treatment withdrawal was met (Part B). | |
| Reporting group title | Placebo |
| Reporting group description: | |
| 150 mg Nintedanib matching placebo, soft gelatine capsule, administered orally, bid, with optional dose reduction to 100 mg bid to manage AEs. Continuous daily dosing over a 52-week treatment period (Part A). After completion of the 52-week treatment period, subjects continued on blinded treatment until the end of the trial or until a reason for treatment withdrawal was met (Part B). | |

| Reporting group values | 150 mg Nintedanib | Placebo | Total |
|---|-------------------|---------|-------|
| Number of subjects | 332 | 331 | 663 |
| Age categorical | | | |
| Subject set (=Treated set): This set included all randomised subjects who received at least 1 dose of trial medication. | | | |
| Units: Subjects | | | |
| In utero | 0 | 0 | 0 |
| Preterm newborn infants (gestational age < 37 wks) | 0 | 0 | 0 |
| Newborns (0-27 days) | 0 | 0 | 0 |
| Infants and toddlers (28 days-23 months) | 0 | 0 | 0 |
| Children (2-11 years) | 0 | 0 | 0 |
| Adolescents (12-17 years) | 0 | 0 | 0 |
| Adults (18-64 years) | 139 | 121 | 260 |
| From 65-84 years | 189 | 205 | 394 |
| 85 years and over | 4 | 5 | 9 |
| Age Continuous | | | |
| Subject set (=Treated set): This set included all randomised subjects who received at least 1 dose of trial medication. | | | |
| Units: years | | | |
| arithmetic mean | 65.2 | 66.3 | |
| standard deviation | ± 9.7 | ± 9.8 | - |
| Sex: Female, Male | | | |
| Subject set (=Treated set): This set included all randomised subjects who received at least 1 dose of trial medication. | | | |
| Units: | | | |
| Female | 153 | 154 | 307 |
| Male | 179 | 177 | 356 |
| Race (NIH/OMB) | | | |
| Subject set (=Treated set): This set included all randomised subjects who received at least 1 dose of trial medication. | | | |
| Units: Subjects | | | |
| American Indian or Alaska Native | 0 | 0 | 0 |
| Asian | 83 | 80 | 163 |

| | | | |
|---|----------|----------|-----|
| Native Hawaiian or Other Pacific Islander | 1 | 0 | 1 |
| Black or African American | 5 | 5 | 10 |
| White | 242 | 246 | 488 |
| More than one race | 1 | 0 | 1 |
| Unknown or Not Reported | 0 | 0 | 0 |
| Ethnicity (NIH/OMB) | | | |
| Subject set (=Treated set): This set included all randomised subjects who received at least 1 dose of trial medication. | | | |
| Units: Subjects | | | |
| Hispanic or Latino | 47 | 49 | 96 |
| Not Hispanic or Latino | 285 | 282 | 567 |
| Unknown or Not Reported | 0 | 0 | 0 |
| Baseline High Resolution Computed Tomography (HRCT) fibrotic pattern | | | |
| HRCT fibrotic pattern, i.e. imaging pattern of the lung disease on high-resolution computed tomography assessed by central review. HRCT fibrotic pattern had two categories: 'Usual Interstitial Pneumonia (UIP)-like fibrotic pattern only', 'Other fibrotic patterns'. | | | |
| Subject set (=Treated set): This set included all randomised subjects who received at least 1 dose of trial medication. | | | |
| Units: Subjects | | | |
| UIP-like fibrotic pattern only | 206 | 206 | 412 |
| Other fibrotic patterns | 126 | 125 | 251 |
| Baseline Forced Vital Capacity (FVC) - Overall Population | | | |
| FVC is the volume of air (measured in milliliter) which can be forcibly exhaled from the lungs after taking the deepest breath possible. | | | |
| Subject set (=Treated set): This set included all randomised subjects who received at least 1 dose of trial medication. | | | |
| Units: Milliliter (mL) | | | |
| arithmetic mean | 2340.07 | 2321.15 | |
| standard deviation | ± 740.19 | ± 727.97 | - |
| Baseline FVC - Subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only | | | |
| FVC is the volume of air (measured in milliliter) which can be forcibly exhaled from the lungs after taking the deepest breath possible. | | | |
| Subject set (=Treated set): This set included all randomised subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only who received at least 1 dose of trial medication. | | | |
| The arithmetic mean and Standard Deviation shown in the table below are based on: 206 subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern treated with 150 mg Nintedanib, 206 subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern treated with Placebo. | | | |
| Units: Milliliter (mL) | | | |
| arithmetic mean | 2363.43 | 2373.59 | |
| standard deviation | ± 762.89 | ± 720.05 | - |

End points

End points reporting groups

| | |
|--|-------------------|
| Reporting group title | 150 mg Nintedanib |
| Reporting group description: 150 milligram (mg) Nintedanib as soft gelatine capsule, administered orally, twice daily (bid), with optional dose reduction to 100 mg bid to manage adverse events (AEs). Continuous daily dosing over a 52-week treatment period (Part A). After completion of the 52-week treatment period, subjects continued on blinded treatment until the end of the trial or until a reason for treatment withdrawal was met (Part B). | |
| Reporting group title | Placebo |
| Reporting group description: 150 mg Nintedanib matching placebo, soft gelatine capsule, administered orally, bid, with optional dose reduction to 100 mg bid to manage AEs. Continuous daily dosing over a 52-week treatment period (Part A). After completion of the 52-week treatment period, subjects continued on blinded treatment until the end of the trial or until a reason for treatment withdrawal was met (Part B). | |

Primary: Annual rate of decline in Forced Vital Capacity - Overall population

| | |
|--|--|
| End point title | Annual rate of decline in Forced Vital Capacity - Overall population |
| End point description: Forced Vital Capacity (FVC) is the volume of air (measured in milliliter) which can be forcibly exhaled from the lungs after taking the deepest breath possible. Overall population consists of all randomized subjects with High Resolution Computed Tomography (HRCT) fibrotic pattern=UIP-like fibrotic pattern only or HRCT fibrotic pattern= Other fibrotic patterns. Annual rate of decline in Forced Vital Capacity in milliliter (mL) per year in the overall population is based on a random coefficient regression with fixed effects for treatment, HRCT fibrotic pattern, and baseline FVC [mL], and including treatment-by-time and baseline-by-time interactions. Within-subject errors are modelled by an unstructured variance-covariance matrix. Overall Population: All randomised subjects in the overall population who received at least 1 dose of trial medication. | |
| End point type | Primary |
| End point timeframe: Baseline, 2, 4, 6, 12, 24, 36, 52 weeks after first drug intake (planned post-baseline visits) | |

| End point values | 150 mg Nintedanib | Placebo | | |
|--|----------------------------|------------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 332 ^[1] | 331 ^[2] | | |
| Units: Milliliter per year | | | | |
| least squares mean (confidence interval 95%) | -80.82 (-110.42 to -51.22) | -187.78 (-216.92 to -158.64) | | |

Notes:

[1] - Overall Population

[2] - Overall Population

Statistical analyses

| | |
|----------------------------|------------------------|
| Statistical analysis title | Statistical Analysis 1 |
|----------------------------|------------------------|

Statistical analysis description:

The decrease in FVC was assumed to be linear within each participant over 52 weeks. The intercepts and slopes were assumed to be normally distributed with unstructured covariance matrix. The within participant error was assumed to be independent and normally distributed with mean 0 and a common variance. The Kenward-Roger approximation was used to estimate denominator degrees of freedom and adjust standard errors (SEs).

| | |
|---|-------------------------------------|
| Comparison groups | 150 mg Nintedanib v Placebo |
| Number of subjects included in analysis | 663 |
| Analysis specification | Pre-specified |
| Analysis type | superiority ^[3] |
| P-value | < 0.0001 ^[4] |
| Method | Mixed models analysis |
| Parameter estimate | Difference of adjusted annual rates |
| Point estimate | 106.96 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | 65.42 |
| upper limit | 148.5 |
| Variability estimate | Standard error of the mean |
| Dispersion value | 21.15 |

Notes:

[3] - Fixed effects: Treatment, HRCT fibrotic pattern, baseline FVC (mL), treatment-by-time, baseline-by-time interactions. Random effects: time, intercept. Difference of adjusted annual rates of decline was calculated as Nintedanib – Placebo.

[4] - Treatment comparison of slopes was assessed through the treatment-by-time interaction coefficient. P-value was not adjusted for multiple comparisons. P-value .0001 is actually <.0001.

Primary: Annual rate of decline in Forced Vital Capacity - Subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only

| | |
|-----------------|--|
| End point title | Annual rate of decline in Forced Vital Capacity - Subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only |
|-----------------|--|

End point description:

Forced Vital Capacity (FVC) is the volume of air (measured in milliliter) which can be forcibly exhaled from the lungs after taking the deepest breath possible. Annual rate of decline in Forced Vital Capacity in milliliter (mL) per year in subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only is based on a random coefficient regression with fixed effects for treatment, baseline FVC [mL], and including treatment-by-time and baseline-by-time interactions. Within-subject errors are modelled by an unstructured variance-covariance matrix.

Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only: All randomised subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only who received at least 1 dose of trial medication.

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

End point timeframe:

Baseline, 2, 4, 6, 12, 24, 36, 52 weeks after first drug intake (planned post-baseline visits)

| End point values | 150 mg Nintedanib | Placebo | | |
|--|--------------------|---------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 206 ^[5] | 206 ^[6] | | |
| Units: Milliliter per year | | | | |
| least squares mean (confidence interval 95%) | -82.87 (-123.73 to | -211.07 (-251.38 to | | |

Notes:

[5] - Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only

[6] - Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only

Statistical analyses

| Statistical analysis title | Statistical Analysis 2 |
|---|-------------------------------------|
| Statistical analysis description: | |
| The decrease in FVC was assumed to be linear within each participant over 52 weeks. The intercepts and slopes were assumed to be normally distributed with unstructured covariance matrix. The within participant error was assumed to be independent and normally distributed with mean 0 and a common variance. The Kenward-Roger approximation was used to estimate denominator degrees of freedom and adjust standard errors (SEs). | |
| Comparison groups | 150 mg Nintedanib v Placebo |
| Number of subjects included in analysis | 412 |
| Analysis specification | Pre-specified |
| Analysis type | superiority ^[7] |
| P-value | < 0.0001 ^[8] |
| Method | Mixed models analysis |
| Parameter estimate | Difference of adjusted annual rates |
| Point estimate | 128.2 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | 70.81 |
| upper limit | 185.59 |
| Variability estimate | Standard error of the mean |
| Dispersion value | 29.17 |

Notes:

[7] - Fixed effects: Treatment, baseline FVC (mL), treatment-by-time, baseline-by-time interactions. Random effects: time, intercept. Difference of adjusted annual rates of decline was calculated as Nintedanib – Placebo.

[8] - Treatment comparison of slopes was assessed through the treatment-by-time interaction coefficient. P-value was not adjusted for multiple comparisons. P-value .0001 is actually <.0001.

Secondary: Absolute change from baseline in King's Brief Interstitial Lung Disease Questionnaire (K-BILD) Total score at week 52 - Overall population

| | |
|-----------------|--|
| End point title | Absolute change from baseline in King's Brief Interstitial Lung Disease Questionnaire (K-BILD) Total score at week 52 - Overall population |
|-----------------|--|

End point description:

King's Brief Interstitial Lung Disease questionnaire (K-BILD) consists of 15 items and 3 domains: breathlessness and activities, psychological, chest symptoms ranging from 0-100, with 100 representing the best health status. If missing items were >50% per domain, the domain score was set to missing. If any of the domain scores were missing, the total score was set to missing. Absolute change from baseline at week 52 was based on a Mixed Model Repeated Measures (MMRM), with fixed effects for baseline K-BILD Total score, HRCT fibrotic pattern, visit, treatment-by-visit interaction, baseline-by-visit interactions and random effect for subject. Visit was the repeated measure. Within-subject errors were modelled by unstructured variance-covariance matrix.

Overall Population: All randomised subjects in the overall population who received at least 1 dose of trial medication.

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

End point timeframe:

Baseline, 12, 24, 36, 52 weeks after first drug intake (planned post-baseline visits)

| End point values | 150 mg Nintedanib | Placebo | | |
|--|----------------------|-----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 332 ^[9] | 330 ^[10] | | |
| Units: Unit on scale | | | | |
| least squares mean (confidence interval 95%) | 0.55 (-0.62 to 1.72) | -0.79 (-1.94 to 0.37) | | |

Notes:

[9] - Overall Population

[10] - Overall Population

Statistical analyses

| Statistical analysis title | Statistical Analysis 3 |
|---|--------------------------------------|
| Comparison groups | 150 mg Nintedanib v Placebo |
| Number of subjects included in analysis | 662 |
| Analysis specification | Pre-specified |
| Analysis type | other ^[11] |
| P-value | = 0.1115 |
| Method | Mixed Model Repeated Measures (MMRM) |
| Parameter estimate | Adjusted mean difference |
| Point estimate | 1.34 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | -0.31 |
| upper limit | 2.98 |
| Variability estimate | Standard error of the mean |
| Dispersion value | 0.84 |

Notes:

[11] - No formal hypotheses were tested.

Fixed effects: baseline K-BILD Total score, visit, treatment-by-visit and baseline-by-visit interactions, random effect: participant.

Adjusted mean difference was calculated as Nintedanib – Placebo.

Secondary: Absolute change from baseline in King's Brief Interstitial Lung Disease (K-BILD) Questionnaire Total score at week 52 - Subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only

| | |
|-----------------|--|
| End point title | Absolute change from baseline in King's Brief Interstitial Lung Disease (K-BILD) Questionnaire Total score at week 52 - Subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only |
|-----------------|--|

End point description:

King's Brief Interstitial Lung Disease questionnaire (K-BILD) consists of 15 items and 3 domains: breathlessness, activities, psychological, chest symptoms ranging from 0-100, with 100 representing best health status. If missing items were >50% per domain, the domain score was set to missing. If any of the domain scores were missing, the total score was set to missing. Absolute change from baseline at week 52 was based on a Mixed Model Repeated Measures (MMRM), with fixed effects for baseline K-BILD Total score, HRCT fibrotic pattern, visit, treatment-by-visit interaction, baseline-by-visit interactions and random effect for subject and visit as repeated measure. Within-subject errors were modelled by unstructured variance-covariance matrix.

Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only: All randomised subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only who received at least 1 dose of trial medication.

| | |
|---|-----------|
| End point type | Secondary |
| End point timeframe: | |
| Baseline, 12, 24, 36, 52 weeks after first drug intake (planned post-baseline visits) | |

| End point values | 150 mg Nintedanib | Placebo | | |
|--|----------------------|-----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 206 ^[12] | 205 ^[13] | | |
| Units: Unit on scale | | | | |
| least squares mean (confidence interval 95%) | 0.75 (-0.82 to 2.31) | -0.78 (-2.34 to 0.78) | | |

Notes:

[12] - Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only

[13] - Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only

Statistical analyses

| | |
|---|--------------------------------------|
| Statistical analysis title | Statistical Analysis 4 |
| Comparison groups | 150 mg Nintedanib v Placebo |
| Number of subjects included in analysis | 411 |
| Analysis specification | Pre-specified |
| Analysis type | |
| P-value | = 0.1747 |
| Method | Mixed Model Repeated Measures (MMRM) |
| Parameter estimate | Adjusted mean difference |
| Point estimate | 1.53 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | -0.68 |
| upper limit | 3.74 |
| Variability estimate | Standard error of the mean |
| Dispersion value | 1.12 |

Secondary: Time to first acute Interstitial Lung Disease (ILD) exacerbation or death over 52 weeks - Overall population

| | |
|-----------------|--|
| End point title | Time to first acute Interstitial Lung Disease (ILD) exacerbation or death over 52 weeks - Overall population |
|-----------------|--|

End point description:

Time to first acute ILD exacerbation or death over 52 weeks was defined as time to first acute ILD exacerbation or death due to any cause within the first 52 weeks and was computed as earliest of date of first documented acute ILD exacerbation or death – date of first drug intake + 1. Subjects alive who did not experience any ILD exacerbation event or with unknown status within the first 52 weeks were censored. The value '99999' stands for non-calculable because the 25 percentile was not reached.

Overall Population: All randomised subjects in the overall population who received at least 1 dose of trial medication.

| | |
|---|-----------|
| End point type | Secondary |
| End point timeframe: | |
| From first drug intake until date of first acute ILD exacerbation or date of death or last contact date, up to 372 days | |

| | | | | |
|---------------------------------------|------------------------|------------------------|--|--|
| End point values | 150 mg Nintedanib | Placebo | | |
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 332 ^[14] | 331 ^[15] | | |
| Units: Days | | | | |
| median (inter-quartile range (Q1-Q3)) | 99999 (99999 to 99999) | 99999 (99999 to 99999) | | |

Notes:

[14] - Overall Population

[15] - Overall Population

Statistical analyses

| | |
|---|-----------------------------|
| Statistical analysis title | Statistical Analysis 5 |
| Comparison groups | 150 mg Nintedanib v Placebo |
| Number of subjects included in analysis | 663 |
| Analysis specification | Pre-specified |
| Analysis type | |
| P-value | = 0.3948 |
| Method | Logrank |
| Parameter estimate | Hazard ratio (HR) |
| Point estimate | 0.8 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | 0.48 |
| upper limit | 1.34 |

Secondary: Time to first acute Interstitial Lung Disease (ILD) exacerbation or death over 52 weeks – Subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only

| | |
|-----------------|--|
| End point title | Time to first acute Interstitial Lung Disease (ILD) exacerbation or death over 52 weeks – Subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only |
|-----------------|--|

End point description:

Time to first acute ILD exacerbation or death over 52 weeks was defined as time to first acute ILD exacerbation or death due to any cause within the first 52 weeks and was computed as earliest of date of first documented acute ILD exacerbation or death – date of first drug intake + 1. Subjects alive who did not experience any ILD exacerbation event or with unknown status within the first 52 weeks were censored. The value '99999' stands for non-calculable because the 25 percentile was not reached.

Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only: All randomised subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only who received at least 1 dose of trial medication.

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

End point timeframe:

From first drug intake until date of first acute ILD exacerbation or date of death or last contact date, up to 372 days

| End point values | 150 mg Nintedanib | Placebo | | |
|---------------------------------------|------------------------|------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 206 ^[16] | 206 ^[17] | | |
| Units: Days | | | | |
| median (inter-quartile range (Q1-Q3)) | 99999 (99999 to 99999) | 99999 (99999 to 99999) | | |

Notes:

[16] - Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only

[17] - Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only

Statistical analyses

| Statistical analysis title | Statistical Analysis 6 |
|---|-----------------------------|
| Comparison groups | 150 mg Nintedanib v Placebo |
| Number of subjects included in analysis | 412 |
| Analysis specification | Pre-specified |
| Analysis type | |
| P-value | = 0.1985 |
| Method | Logrank |
| Parameter estimate | Hazard ratio (HR) |
| Point estimate | 0.67 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | 0.36 |
| upper limit | 1.24 |

Secondary: Time to death over 52 weeks - Overall population

| | |
|---|--|
| End point title | Time to death over 52 weeks - Overall population |
| End point description: | |
| Time to death over 52 weeks defined as the time from date of first drug intake until date of death from any cause for subjects with known date of death (from any cause) within the first 52 weeks. Subjects with no event (death from any cause) or unknown status within the first 52 weeks were censored. The value '99999' stands for non-calculable because the 25 percentile was not reached. | |
| Overall Population: All randomised subjects in the overall population who received at least 1 dose of trial medication. | |
| End point type | Secondary |
| End point timeframe: | |
| From first drug intake until date of death or last contact date, up to 372 days | |

| End point values | 150 mg Nintedanib | Placebo | | |
|---------------------------------------|------------------------|------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 332 ^[18] | 331 ^[19] | | |
| Units: Days | | | | |
| median (inter-quartile range (Q1-Q3)) | 99999 (99999 to 99999) | 99999 (99999 to 99999) | | |

Notes:

[18] - Overall Population

[19] - Overall Population

Statistical analyses

| Statistical analysis title | Statistical Analysis 7 |
|---|-----------------------------|
| Comparison groups | 150 mg Nintedanib v Placebo |
| Number of subjects included in analysis | 663 |
| Analysis specification | Pre-specified |
| Analysis type | |
| P-value | = 0.8544 |
| Method | Logrank |
| Parameter estimate | Hazard ratio (HR) |
| Point estimate | 0.94 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | 0.47 |
| upper limit | 1.86 |

Secondary: Time to death over 52 weeks - Subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only

| | |
|-----------------|--|
| End point title | Time to death over 52 weeks - Subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only |
|-----------------|--|

End point description:

Time to death over 52 weeks defined as the time from date of first drug intake until date of death from any cause for subjects with known date of death (from any cause) within the first 52 weeks. Subjects with no event (death from any cause) or unknown status within the first 52 weeks were censored. The value '99999' stands for non-calculable because the 25 percentile was not reached.

Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only: All randomised subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only who received at least 1 dose of trial medication.

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

End point timeframe:

From first drug intake until date of death or last contact date, up to 372 days

| | | | | |
|---------------------------------------|------------------------|------------------------|--|--|
| End point values | 150 mg Nintedanib | Placebo | | |
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 206 ^[20] | 206 ^[21] | | |
| Units: Days | | | | |
| median (inter-quartile range (Q1-Q3)) | 99999 (99999 to 99999) | 99999 (99999 to 99999) | | |

Notes:

[20] - Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only

[21] - Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only

Statistical analyses

| | |
|---|-----------------------------|
| Statistical analysis title | Statistical Analysis 8 |
| Comparison groups | 150 mg Nintedanib v Placebo |
| Number of subjects included in analysis | 412 |
| Analysis specification | Pre-specified |
| Analysis type | |
| P-value | = 0.3291 |
| Method | Logrank |
| Parameter estimate | Hazard ratio (HR) |
| Point estimate | 0.68 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | 0.32 |
| upper limit | 1.47 |

Secondary: Time to death due to respiratory cause over 52 weeks - Overall population

| | |
|-----------------|---|
| End point title | Time to death due to respiratory cause over 52 weeks - Overall population |
|-----------------|---|

End point description:

Time to death due to respiratory cause over 52 weeks is defined as the time from date of first drug intake until date of death attributed to respiratory causes (determined by an independent Adjudication Committee) for subjects with known date of death (from respiratory causes) within the first 52 weeks. Subjects with no event (death from respiratory causes) or unknown status within the first 52 weeks were censored. As less than 4.95% of the total of subjects in the analysis population experienced an event, only descriptive statistics were performed, as pre-specified. The value '99999' stands for non-calculable because the 25 percentile was not reached. No statistical analysis provided for Time to death due to respiratory cause over 52 weeks.

Overall Population: All randomised subjects in the overall population who received at least 1 dose of trial medication.

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

End point timeframe:

From date of first trial drug intake up to date of death from respiratory causes or last contact date, up to 372 days

| End point values | 150 mg Nintedanib | Placebo | | |
|---------------------------------------|------------------------|------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 332 ^[22] | 331 ^[23] | | |
| Units: Days | | | | |
| median (inter-quartile range (Q1-Q3)) | 99999 (99999 to 99999) | 99999 (99999 to 99999) | | |

Notes:

[22] - Overall population

[23] - Overall population

Statistical analyses

No statistical analyses for this end point

Secondary: Time to death due to respiratory cause over 52 weeks - Subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only

| | |
|-----------------|---|
| End point title | Time to death due to respiratory cause over 52 weeks - Subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only |
|-----------------|---|

End point description:

Time to death due to respiratory cause over 52 weeks is defined as the time from date of first drug intake until date of death attributed to respiratory causes (determined by an independent Adjudication Committee) for subjects with known date of death (from respiratory causes) within the first 52 weeks. Subjects with no event (death from respiratory causes) or unknown status within the first 52 weeks were censored. As less than 4.95% of the total of subjects in the analysis population experienced an event, only descriptive statistics were performed, as pre-specified. The value '99999' stands for non-calculable because the 25 percentile was not reached. No statistical analysis provided for Time to death due to respiratory cause over 52.

Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only: All randomised subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only who received at least 1 dose of trial medication.

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

End point timeframe:

From date of first trial drug intake up to date of death from respiratory causes or last contact date, up to 372 days

| End point values | 150 mg Nintedanib | Placebo | | |
|---------------------------------------|------------------------|------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 206 ^[24] | 206 ^[25] | | |
| Units: Days | | | | |
| median (inter-quartile range (Q1-Q3)) | 99999 (99999 to 99999) | 99999 (99999 to 99999) | | |

Notes:

[24] - Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only

[25] - Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only

Statistical analyses

No statistical analyses for this end point

Secondary: Time to progression or death over 52 weeks - Overall population

| | |
|-----------------|---|
| End point title | Time to progression or death over 52 weeks - Overall population |
|-----------------|---|

End point description:

Time to progression or death over 52 weeks is as the time from date of first drug intake to date of progression, or date of death (from any cause) if a subject died earlier. Subjects with no event (progression or death from any cause) or unknown status were censored. Date of progression defined as the date when $\geq 10\%$ of absolute decline in FVC percent predicted compared to baseline occurred for the first time. Forced Vital Capacity (FVC) is the volume of air (measured in milliliter) forcibly exhaled from the lungs after taking the deepest breath possible. Predicted normal values of FVC were calculated according to the Global Lung Initiative. FVC percent predicted (FVC % pred) is the FVC divided by its predicted value in percent. The value '99999' stands for non-calculable because the 50 percentile was not reached.

Overall Population: All randomised subjects in the overall population who received at least 1 dose of trial medication.

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

End point timeframe:

From first drug intake until date of progression or date of death or last contact date, up to 372 days

| End point values | 150 mg Nintedanib | Placebo | | |
|---------------------------------------|----------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 332 ^[26] | 331 ^[27] | | |
| Units: Days | | | | |
| median (inter-quartile range (Q1-Q3)) | 99999 (367 to 99999) | 99999 (269 to 99999) | | |

Notes:

[26] - Overall Population

[27] - Overall Population

Statistical analyses

| Statistical analysis title | Statistical Analysis 9 |
|---|-----------------------------|
| Comparison groups | 150 mg Nintedanib v Placebo |
| Number of subjects included in analysis | 663 |
| Analysis specification | Pre-specified |
| Analysis type | |
| P-value | = 0.0017 |
| Method | Logrank |
| Parameter estimate | Hazard ratio (HR) |
| Point estimate | 0.65 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | 0.49 |
| upper limit | 0.85 |

Secondary: Time to progression or death over 52 weeks - Subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only

| | |
|-----------------|---|
| End point title | Time to progression or death over 52 weeks - Subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only |
|-----------------|---|

End point description:

Time to progression or death over 52 weeks defined as time from date of first drug intake to date of

progression, or date of death (from any cause) if a participant died earlier. Subjects with no event (progression or death from any cause) or unknown status were censored. Date of progression defined as the date when $\geq 10\%$ of absolute decline in FVC percent predicted compared to baseline occurred for the first time. FVC is the volume of air (measured in milliliter) forcibly exhaled from the lungs after taking the deepest breath possible. Predicted normal values of FVC were calculated according to the Global Lung Initiative. FVC percent predicted (FVC % pred) is the FVC divided by its predicted value in percent. The value '99999' stands for non-calculable because the 50 percentile was not reached. Subjects with HRCT fibrotic pattern= UIP-like fibrotic pattern (HRCT=UIP FP) only: All randomised subjects with HRCT=UIP FP only who received at least 1 dose of trial medication.

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

End point timeframe:

From first drug intake until date of progression or date of death or last contact date, up to 372 days

| End point values | 150 mg Nintedanib | Placebo | | |
|---------------------------------------|----------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 206 ^[28] | 206 ^[29] | | |
| Units: Days | | | | |
| median (inter-quartile range (Q1-Q3)) | 99999 (365 to 99999) | 99999 (254 to 99999) | | |

Notes:

[28] - Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only

[29] - Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only

Statistical analyses

| | |
|---|-----------------------------|
| Statistical analysis title | Statistical Analysis 10 |
| Comparison groups | 150 mg Nintedanib v Placebo |
| Number of subjects included in analysis | 412 |
| Analysis specification | Pre-specified |
| Analysis type | |
| P-value | = 0.0081 |
| Method | Logrank |
| Parameter estimate | Hazard ratio (HR) |
| Point estimate | 0.64 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | 0.45 |
| upper limit | 0.89 |

Secondary: Percentage of subjects with a relative decline from baseline in FVC percent predicted of more than 10 percent at week 52 - Overall population

| | |
|-----------------|---|
| End point title | Percentage of subjects with a relative decline from baseline in FVC percent predicted of more than 10 percent at week 52 - Overall population |
|-----------------|---|

End point description:

Forced Vital Capacity (FVC) is the volume of air (measured in milliliter) which can be forcibly exhaled from the lungs after taking the deepest breath possible. Predicted normal values of FVC were calculated according to the Global Lung Initiative. FVC percent predicted (FVC % pred) is the FVC divided by its predicted value in percent. Subjects with relative decline from baseline in FVC % pred greater than 10%

at week 52 were those subjects with a negative relative change from baseline in FVC % pred at week 52 the absolute value of which being greater than 10% and those subjects with missing data (worst case analysis).

Overall Population: All randomised subjects in the overall population who received at least 1 dose of trial medication.

| | |
|---|-----------|
| End point type | Secondary |
| End point timeframe: | |
| Baseline and up to 52 weeks after first drug intake | |

| End point values | 150 mg Nintedanib | Placebo | | |
|-------------------------------|---------------------|---------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 332 ^[30] | 331 ^[31] | | |
| Units: Percentage of subjects | | | | |
| number (not applicable) | 40.7 | 48.9 | | |

Notes:

[30] - Overall Population

[31] - Overall Population

Statistical analyses

| | |
|---|-----------------------------|
| Statistical analysis title | Statistical Analysis 11 |
| Comparison groups | 150 mg Nintedanib v Placebo |
| Number of subjects included in analysis | 663 |
| Analysis specification | Pre-specified |
| Analysis type | |
| Method | Regression, Logistic |
| Parameter estimate | Adjusted Odds Ratio |
| Point estimate | 0.7 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | 0.52 |
| upper limit | 0.96 |

Secondary: Percentage of subjects with a relative decline from baseline in FVC percent predicted of more than 10 percent at week 52 - Subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only

| | |
|-----------------|---|
| End point title | Percentage of subjects with a relative decline from baseline in FVC percent predicted of more than 10 percent at week 52 - Subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only |
|-----------------|---|

End point description:

Forced Vital Capacity (FVC) is the volume of air (measured in milliliter) which can be forcibly exhaled from the lungs after taking the deepest breath possible. Predicted normal values of FVC were calculated according to the Global Lung Initiative. FVC percent predicted (FVC % pred) is the FVC divided by its predicted value in percent. Subjects with relative decline from baseline in FVC % pred greater than 10% at week 52 were those subjects with a negative relative change from baseline in FVC % pred at week 52 the absolute value of which being greater than 10% and those subjects with missing data (worst case analysis).

Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only: All randomised subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only who received at least 1 dose of trial medication.

| | |
|---|-----------|
| End point type | Secondary |
| End point timeframe: | |
| Baseline and up to 52 weeks after first drug intake | |

| End point values | 150 mg Nintedanib | Placebo | | |
|-----------------------------------|---------------------|---------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 206 ^[32] | 206 ^[33] | | |
| Units: Percentage of participants | | | | |
| number (not applicable) | 41.3 | 52.4 | | |

Notes:

[32] - Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only

[33] - Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only

Statistical analyses

| | |
|---|-----------------------------|
| Statistical analysis title | Statistical Analysis 12 |
| Comparison groups | 150 mg Nintedanib v Placebo |
| Number of subjects included in analysis | 412 |
| Analysis specification | Pre-specified |
| Analysis type | |
| Method | Regression, Logistic |
| Parameter estimate | Adjusted Odds Ratio |
| Point estimate | 0.63 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | 0.43 |
| upper limit | 0.94 |

Secondary: Percentage of subjects with a relative decline from baseline in FVC percent predicted of more than 5 percent at week 52 - Overall population

| | |
|-----------------|--|
| End point title | Percentage of subjects with a relative decline from baseline in FVC percent predicted of more than 5 percent at week 52 - Overall population |
|-----------------|--|

End point description:

Forced Vital Capacity (FVC) is the volume of air (measured in milliliter) which can be forcibly exhaled from the lungs after taking the deepest breath possible. Predicted normal values of FVC were calculated according to the Global Lung Initiative. FVC percent predicted (FVC % pred) is the FVC divided by its predicted value in percent. Subjects with relative decline from baseline in FVC % pred greater than 5% at week 52 were those subjects with a negative relative change from baseline in FVC % pred at week 52 the absolute value of which being greater than 5% and those subjects with missing data (worst case analysis).

Overall Population: All randomised subjects in the overall population who received at least 1 dose of trial medication.

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

End point timeframe:

Baseline and up to 52 weeks after first drug intake

| End point values | 150 mg Nintedanib | Placebo | | |
|-------------------------------|---------------------|---------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 332 ^[34] | 331 ^[35] | | |
| Units: Percentage of subjects | | | | |
| number (not applicable) | 52.4 | 68.6 | | |

Notes:

[34] - Overall population

[35] - Overall population

Statistical analyses

| Statistical analysis title | Statistical Analysis 13 |
|---|-----------------------------|
| Comparison groups | 150 mg Nintedanib v Placebo |
| Number of subjects included in analysis | 663 |
| Analysis specification | Pre-specified |
| Analysis type | |
| Method | Regression, Logistic |
| Parameter estimate | Adjusted Odds Ratio |
| Point estimate | 0.5 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | 0.36 |
| upper limit | 0.68 |

Secondary: Percentage of subjects with a relative decline from baseline in FVC percent predicted of more than 5 percent at week 52 - Subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only

| | |
|-----------------|--|
| End point title | Percentage of subjects with a relative decline from baseline in FVC percent predicted of more than 5 percent at week 52 - Subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only |
|-----------------|--|

End point description:

Forced Vital Capacity (FVC) is the volume of air (measured in milliliter) which can be forcibly exhaled from the lungs after taking the deepest breath possible. Predicted normal values of FVC were calculated according to the Global Lung Initiative. FVC percent predicted (FVC % pred) is the FVC divided by its predicted value in percent. Subjects with relative decline from baseline in FVC % pred greater than 5% at week 52 were those subjects with a negative relative change from baseline in FVC % pred at week 52 the absolute value of which being greater than 5% and those subjects with missing data (worst case analysis).

Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only: All randomised subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only who received at least 1 dose of trial medication.

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

End point timeframe:

Baseline and up to 52 weeks after first drug intake

| End point values | 150 mg Nintedanib | Placebo | | |
|-------------------------------|---------------------|---------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 206 ^[36] | 206 ^[37] | | |
| Units: Percentage of subjects | | | | |
| number (not applicable) | 52.4 | 70.4 | | |

Notes:

[36] - Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only

[37] - Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only

Statistical analyses

| Statistical analysis title | Statistical Analysis 14 |
|---|-----------------------------|
| Comparison groups | 150 mg Nintedanib v Placebo |
| Number of subjects included in analysis | 412 |
| Analysis specification | Pre-specified |
| Analysis type | |
| Method | Regression, Logistic |
| Parameter estimate | Adjusted Odds Ratio |
| Point estimate | 0.46 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | 0.31 |
| upper limit | 0.69 |

Secondary: Absolute change from baseline in Living with Pulmonary Fibrosis (L-PF) Symptoms dyspnea domain score at week 52 - Overall population

| | |
|-----------------|--|
| End point title | Absolute change from baseline in Living with Pulmonary Fibrosis (L-PF) Symptoms dyspnea domain score at week 52 - Overall population |
|-----------------|--|

End point description:

Living with Pulmonary Fibrosis (L-PF) questionnaire with 44 items in two modules: Symptoms (23 items with three domains: dyspnea, cough and fatigue and a total score) and Impacts (21 items as a single score). L-PF Symptoms dyspnea domain score (dyspnea score) ranges from 0-100, with higher scores indicating greater impairment. A score was set to missing if ≥ 50 % items were missing. Absolute change from baseline at week 52 based on a Mixed Model Repeated Measures, with fixed effects for baseline dyspnea score, HRCT fibrotic pattern, visit, treatment-by-visit interaction, baseline dyspnea score-by-visit interaction and random effect for subject, visit as repeated measure. Adjusted mean is based on all analysed subjects in the model (not only subjects with a baseline and measurement at week 52).

Overall Population: All randomised subjects in the overall population who received at least 1 dose of trial medication.

| | |
|---|-----------|
| End point type | Secondary |
| End point timeframe: | |
| Baseline, 12, 24, 36, 52 weeks after first drug intake (planned post-baseline visits) | |

| End point values | 150 mg Nintedanib | Placebo | | |
|--|---------------------|---------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 329 ^[38] | 323 ^[39] | | |
| Units: Unit on scale | | | | |
| least squares mean (confidence interval 95%) | 4.28 (2.43 to 6.14) | 7.81 (5.97 to 9.66) | | |

Notes:

[38] - Overall Population

[39] - Overall Population

Statistical analyses

| Statistical analysis title | Statistical Analysis 15 |
|---|-------------------------------|
| Comparison groups | 150 mg Nintedanib v Placebo |
| Number of subjects included in analysis | 652 |
| Analysis specification | Pre-specified |
| Analysis type | |
| Method | Mixed Model Repeated Measures |
| Parameter estimate | Adjusted mean difference |
| Point estimate | -3.53 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | -6.14 |
| upper limit | -0.92 |
| Variability estimate | Standard error of the mean |
| Dispersion value | 1.33 |

Secondary: Absolute change from baseline in L-PF Symptoms dyspnea domain score at week 52 - Subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only

| | |
|-----------------|---|
| End point title | Absolute change from baseline in L-PF Symptoms dyspnea domain score at week 52 - Subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only |
|-----------------|---|

End point description:

Living with Pulmonary Fibrosis (L-PF) questionnaire with 44 items in two modules: Symptoms (23 items with three domains: dyspnea, cough and fatigue and a total score) and Impacts (21 items as a single score). L-PF Symptoms dyspnea domain score (dyspnea score) ranges from 0-100, with higher scores indicating greater impairment. A score was set to missing if ≥50 % items were missing. Absolute change from baseline at week 52 based on a Mixed Model Repeated Measures, with fixed effects for baseline dyspnea score, visit, treatment-by-visit interaction, baseline dyspnea score treatment-by-visit interaction and random effect for subject, visit as repeated measure. Adjusted mean is based on all analysed subjects in the model (not only subjects with a baseline and measurement at week 52).

Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only: All randomised subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only who received at least 1 dose of trial medication.

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

End point timeframe:

Baseline, 12, 24, 36, 52 weeks after first drug intake (planned post-baseline visits)

| End point values | 150 mg Nintedanib | Placebo | | |
|--|---------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 204 ^[40] | 201 ^[41] | | |
| Units: Unit on scale | | | | |
| least squares mean (confidence interval 95%) | 4.14 (1.81 to 6.47) | 8.32 (5.99 to 10.66) | | |

Notes:

[40] - Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only

[41] - Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only

Statistical analyses

| Statistical analysis title | Statistical Analysis 16 |
|---|-------------------------------|
| Comparison groups | 150 mg Nintedanib v Placebo |
| Number of subjects included in analysis | 405 |
| Analysis specification | Pre-specified |
| Analysis type | |
| Method | Mixed Model Repeated Measures |
| Parameter estimate | Adjusted mean difference |
| Point estimate | -4.18 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | -7.48 |
| upper limit | -0.88 |
| Variability estimate | Standard error of the mean |
| Dispersion value | 1.68 |

Secondary: Absolute change from baseline in L-PF Symptoms cough domain score at week 52 - Overall population

| | |
|-----------------|---|
| End point title | Absolute change from baseline in L-PF Symptoms cough domain score at week 52 - Overall population |
|-----------------|---|

End point description:

Living with Pulmonary Fibrosis (L-PF) questionnaire with 44 items in two modules: Symptoms (23 items with three domains: dyspnea, cough and fatigue and a total score) and Impacts (21 items as a single score). L-PF Symptoms cough domain score (cough score) ranges from 0-100, higher scores indicating greater impairment. A score was set to missing if ≥50 % items were missing. Absolute change from baseline at week 52 based on a Mixed Model Repeated Measures, with fixed effects for baseline cough score, HRCT fibrotic pattern, visit, treatment-by-visit interaction, baseline cough score-by-visit interaction and random effect for subject, visit as repeated measure. Adjusted mean is based on all analysed subjects in the model (not only subjects with a baseline and measurement at week 52).

Overall Population: All randomised subjects in the overall population who received at least 1 dose of trial medication.

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

End point timeframe:

Baseline, 12, 24, 36, 52 weeks after first drug intake (planned post-baseline visits)

| End point values | 150 mg Nintedanib | Placebo | | |
|--|-----------------------|---------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 327 ^[42] | 320 ^[43] | | |
| Units: Unit on scale | | | | |
| least squares mean (confidence interval 95%) | -1.84 (-4.36 to 0.69) | 4.25 (1.74 to 6.76) | | |

Notes:

[42] - Overall population

[43] - Overall population

Statistical analyses

| Statistical analysis title | Statistical Analysis 17 |
|---|-------------------------------|
| Comparison groups | 150 mg Nintedanib v Placebo |
| Number of subjects included in analysis | 647 |
| Analysis specification | Pre-specified |
| Analysis type | |
| Method | Mixed Model Repeated Measures |
| Parameter estimate | Adjusted mean difference |
| Point estimate | -6.09 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | -9.65 |
| upper limit | -2.53 |
| Variability estimate | Standard error of the mean |
| Dispersion value | 1.81 |

Secondary: Absolute change from baseline in Living with Pulmonary Fibrosis (L-PF) Symptoms cough domain score at week 52 - Subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only

| | |
|-----------------|--|
| End point title | Absolute change from baseline in Living with Pulmonary Fibrosis (L-PF) Symptoms cough domain score at week 52 - Subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only |
|-----------------|--|

End point description:

Living with Pulmonary Fibrosis (L-PF) with 44 items in two modules: Symptoms (23 items with three domains: dyspnea, cough and fatigue and a total score) and Impacts (21 items as a single score). L-PF Symptoms cough domain score (cough score) ranges from 0-100, higher scores indicating greater impairment. A score was set to missing if ≥50 % items were missing. Absolute change from baseline at week 52 based on a Mixed Model Repeated Measures, with fixed effects for baseline cough score, visit, treatment-by-visit interaction, baseline cough score-by-visit interaction and random effect for subject, visit as repeated measure. Adjusted mean is based on all analysed subjects in the model (not only subjects with a baseline and measurement at week 52).

Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only: All randomised subjects with HRCT fibrotic pattern=UIP-like fibrotic pattern only who received at least 1 dose of trial medication.

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

End point timeframe:

Baseline, 12, 24, 36, 52 weeks after first drug intake (planned post-baseline visits)

| End point values | 150 mg Nintedanib | Placebo | | |
|--|-----------------------|---------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 203 ^[44] | 199 ^[45] | | |
| Units: Unit on scale | | | | |
| least squares mean (confidence interval 95%) | -3.20 (-6.43 to 0.04) | 4.09 (0.85 to 7.32) | | |

Notes:

[44] - Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only

[45] - Subjects with HRCT fibrotic pattern = UIP-like fibrotic pattern only

Statistical analyses

| Statistical analysis title | Statistical Analysis 18 |
|---|-------------------------------|
| Comparison groups | 150 mg Nintedanib v Placebo |
| Number of subjects included in analysis | 402 |
| Analysis specification | Pre-specified |
| Analysis type | |
| Method | Mixed Model Repeated Measures |
| Parameter estimate | Adjusted mean difference |
| Point estimate | -7.28 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | -11.86 |
| upper limit | -2.71 |
| Variability estimate | Standard error of the mean |
| Dispersion value | 2.33 |

Adverse events

Adverse events information

Timeframe for reporting adverse events:

Treatment period plus 28 days (residual effect period), up to 836 days.

Time frame for All-Cause-Mortality: Treatment period plus Follow-up, up to 900 days.

Adverse event reporting additional description:

All participants who signed the informed consent.

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

Dictionary used

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

| | |
|--------------------|------|
| Dictionary version | 22.0 |
|--------------------|------|

Reporting groups

| | |
|-----------------------|-------------------|
| Reporting group title | 150 mg Nintedanib |
|-----------------------|-------------------|

Reporting group description:

150 milligram (mg) Nintedanib as soft gelatine capsule, administered orally, twice daily (bid), with optional dose reduction to 100 mg bid to manage adverse events (AEs). Continuous daily dosing over a 52-week treatment period (Part A). After completion of the 52-week treatment period, participants continued on blinded treatment until the end of the trial or until a reason for treatment withdrawal was met (Part B).

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

Reporting group description:

150 mg Nintedanib matching placebo, soft gelatine capsule, administered orally, bid, with optional dose reduction to 100 mg bid to manage AEs. Continuous daily dosing over a 52-week treatment period (Part A). After completion of the 52-week treatment period, participants continued on blinded treatment until the end of the trial or until a reason for treatment withdrawal was met (Part B).

| Serious adverse events | 150 mg Nintedanib | Placebo | |
|---|--------------------|--------------------|--|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 147 / 332 (44.28%) | 164 / 331 (49.55%) | |
| number of deaths (all causes) | 36 | 45 | |
| number of deaths resulting from adverse events | 15 | 30 | |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) | | | |
| Basal cell carcinoma | | | |
| subjects affected / exposed | 2 / 332 (0.60%) | 4 / 331 (1.21%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 5 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Bladder cancer | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Bowen's disease | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 3 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Bronchial carcinoma | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cancer pain | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Colon cancer | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Gallbladder adenocarcinoma | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hepatic cancer | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hepatocellular carcinoma | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Lung neoplasm malignant | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 1 | |
| Lung squamous cell carcinoma metastatic | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 1 | |
| Lymphangiosis carcinomatosa | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Neoplasm malignant | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 2 / 331 (0.60%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 1 | |
| Salivary gland adenoma | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Skin cancer | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Small cell lung cancer | | | |
| subjects affected / exposed | 2 / 332 (0.60%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Squamous cell carcinoma | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Squamous cell carcinoma of lung | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Transitional cell carcinoma | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Vascular disorders | | | |
| Aortic aneurysm | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Aortic aneurysm rupture | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 1 / 1 | |
| Arteritis | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Circulatory collapse | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Deep vein thrombosis | | | |
| subjects affected / exposed | 2 / 332 (0.60%) | 2 / 331 (0.60%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Diabetic vascular disorder | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hypertensive crisis | | | |
| subjects affected / exposed | 2 / 332 (0.60%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Peripheral artery stenosis | | | |

| | | | |
|--|-----------------|-----------------|--|
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Shock haemorrhagic | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 1 / 1 | |
| Vasculitis | | | |
| subjects affected / exposed | 2 / 332 (0.60%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| General disorders and administration site conditions | | | |
| Asthenia | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cardiac death | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 1 | |
| Chest pain | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Condition aggravated | | | |
| subjects affected / exposed | 2 / 332 (0.60%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Death | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 1 | 0 / 0 | |
| Discomfort | | | |

| | | | |
|---|------------------|-----------------|--|
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Disease progression | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 2 / 331 (0.60%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| General physical health deterioration | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pyrexia | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Sudden cardiac death | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 1 | |
| Sudden death | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 1 | |
| Reproductive system and breast disorders | | | |
| Prostatitis | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Respiratory, thoracic and mediastinal disorders | | | |
| Acute respiratory failure | | | |
| subjects affected / exposed | 16 / 332 (4.82%) | 7 / 331 (2.11%) | |
| occurrences causally related to treatment / all | 0 / 19 | 0 / 8 | |
| deaths causally related to treatment / all | 0 / 5 | 0 / 2 | |

| | | | |
|---|-----------------|------------------|--|
| Asthma | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Chronic respiratory failure | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 6 / 331 (1.81%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 8 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 1 | |
| Cough | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Dyspnoea | | | |
| subjects affected / exposed | 6 / 332 (1.81%) | 13 / 331 (3.93%) | |
| occurrences causally related to treatment / all | 0 / 6 | 0 / 20 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 1 | |
| Eosinophilic pneumonia chronic | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Haemoptysis | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hypersensitivity pneumonitis | | | |
| subjects affected / exposed | 2 / 332 (0.60%) | 4 / 331 (1.21%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 5 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 1 | |
| Hypoxia | | | |
| subjects affected / exposed | 3 / 332 (0.90%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 3 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Idiopathic interstitial pneumonia | | | |

| | | | |
|---|------------------|-------------------|--|
| subjects affected / exposed | 2 / 332 (0.60%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Interstitial lung disease | | | |
| subjects affected / exposed | 19 / 332 (5.72%) | 45 / 331 (13.60%) | |
| occurrences causally related to treatment / all | 0 / 22 | 1 / 53 | |
| deaths causally related to treatment / all | 0 / 2 | 0 / 7 | |
| Lung disorder | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Organising pneumonia | | | |
| subjects affected / exposed | 2 / 332 (0.60%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pleuritic pain | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pneumomediastinum | | | |
| subjects affected / exposed | 2 / 332 (0.60%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pneumonia aspiration | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 2 / 331 (0.60%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 1 | |
| Pneumonitis | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pneumothorax | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 6 / 332 (1.81%) | 6 / 331 (1.81%) | |
| occurrences causally related to treatment / all | 0 / 8 | 0 / 6 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 1 | |
| Pneumothorax spontaneous | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pulmonary arterial hypertension | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 2 / 331 (0.60%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pulmonary embolism | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 5 / 331 (1.51%) | |
| occurrences causally related to treatment / all | 0 / 1 | 1 / 5 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pulmonary fibrosis | | | |
| subjects affected / exposed | 7 / 332 (2.11%) | 5 / 331 (1.51%) | |
| occurrences causally related to treatment / all | 0 / 7 | 1 / 5 | |
| deaths causally related to treatment / all | 0 / 2 | 0 / 0 | |
| Pulmonary hypertension | | | |
| subjects affected / exposed | 5 / 332 (1.51%) | 9 / 331 (2.72%) | |
| occurrences causally related to treatment / all | 0 / 5 | 0 / 9 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pulmonary oedema | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Respiratory arrest | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Respiratory disorder | | | |

| | | | |
|---|------------------|------------------|--|
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Respiratory distress | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 3 / 331 (0.91%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 3 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 2 | |
| Respiratory failure | | | |
| subjects affected / exposed | 11 / 332 (3.31%) | 10 / 331 (3.02%) | |
| occurrences causally related to treatment / all | 0 / 15 | 0 / 11 | |
| deaths causally related to treatment / all | 0 / 4 | 0 / 5 | |
| Psychiatric disorders | | | |
| Anxiety disorder | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Drug abuse | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Suicide attempt | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Investigations | | | |
| Alanine aminotransferase increased | | | |
| subjects affected / exposed | 2 / 332 (0.60%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 2 / 2 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Aspartate aminotransferase increased | | | |
| subjects affected / exposed | 2 / 332 (0.60%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 2 / 2 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |

| | | | |
|---|-----------------|-----------------|--|
| Blood lactate dehydrogenase increased | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Electrocardiogram Q wave abnormal | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Gamma-glutamyltransferase increased | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hepatic enzyme increased | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 1 / 1 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Rotavirus test positive | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Transaminases increased | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Injury, poisoning and procedural complications | | | |
| Anastomotic stenosis | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Coronary artery restenosis | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Fall | | | |
| subjects affected / exposed | 3 / 332 (0.90%) | 4 / 331 (1.21%) | |
| occurrences causally related to treatment / all | 1 / 4 | 0 / 4 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Humerus fracture | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Lower limb fracture | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Rib fracture | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Spinal compression fracture | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 2 / 331 (0.60%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Spinal fracture | | | |
| subjects affected / exposed | 2 / 332 (0.60%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Subdural haematoma | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Thoracic vertebral fracture | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Wrist fracture | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cardiac disorders | | | |
| Acute coronary syndrome | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Acute myocardial infarction | | | |
| subjects affected / exposed | 3 / 332 (0.90%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 3 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Angina pectoris | | | |
| subjects affected / exposed | 2 / 332 (0.60%) | 3 / 331 (0.91%) | |
| occurrences causally related to treatment / all | 0 / 2 | 2 / 3 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Angina unstable | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Arteriosclerosis coronary artery | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 1 | 0 / 0 | |
| Atrial fibrillation | | | |
| subjects affected / exposed | 5 / 332 (1.51%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 5 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Atrial flutter | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 1 / 332 (0.30%) | 2 / 331 (0.60%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Atrial thrombosis | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Bradycardia | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Bundle branch block left | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cardiac arrest | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 1 | 0 / 0 | |
| Cardiac failure | | | |
| subjects affected / exposed | 3 / 332 (0.90%) | 2 / 331 (0.60%) | |
| occurrences causally related to treatment / all | 0 / 4 | 0 / 3 | |
| deaths causally related to treatment / all | 0 / 1 | 0 / 0 | |
| Cardiac failure chronic | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cardiac failure congestive | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 2 / 331 (0.60%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 1 | 0 / 0 | |
| Chronic right ventricular failure | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cor pulmonale acute | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Coronary artery disease | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 3 / 331 (0.91%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 3 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Coronary artery occlusion | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Ischaemic cardiomyopathy | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Long QT syndrome | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Myocardial infarction | | | |
| subjects affected / exposed | 2 / 332 (0.60%) | 2 / 331 (0.60%) | |
| occurrences causally related to treatment / all | 0 / 2 | 1 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 1 / 1 | |
| Myocardial ischaemia | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Prinzmetal angina | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Right ventricular failure | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Supraventricular tachycardia | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Systolic anterior motion of mitral valve | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Nervous system disorders | | | |
| Cerebellar infarction | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cerebral haemorrhage | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 1 / 1 | |
| Cerebral infarction | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cerebrovascular accident | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Dementia | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hypokinesia | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Loss of consciousness | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Neuropathy peripheral | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Sciatica | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Syncope | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Transient ischaemic attack | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 3 / 331 (0.91%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 3 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Blood and lymphatic system disorders | | | |
| Blood loss anaemia | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Disseminated intravascular coagulation | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Leukocytosis | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pancytopenia | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Ear and labyrinth disorders | | | |
| Deafness unilateral | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Mixed deafness | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Vertigo | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Eye disorders | | | |
| Amaurosis fugax | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cataract | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 2 / 331 (0.60%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Glaucoma | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 1 / 332 (0.30%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Retinal artery occlusion | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Retinal vascular thrombosis | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Gastrointestinal disorders | | | |
| Abdominal pain | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Abdominal pain upper | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Colitis ischaemic | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Constipation | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Diarrhoea | | | |
| subjects affected / exposed | 3 / 332 (0.90%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 2 / 3 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Dyspepsia | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Enterocolitis haemorrhagic | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Gastrointestinal haemorrhage | | | |
| subjects affected / exposed | 3 / 332 (0.90%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 2 / 3 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Gastrooesophageal reflux disease | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Haematemesis | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Haemorrhoids | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Ileus | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 3 / 331 (0.91%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 3 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pancreatitis | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pancreatitis acute | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Rectal prolapse | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hepatobiliary disorders | | | |
| Cholecystitis acute | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cholelithiasis | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Drug-induced liver injury | | | |
| subjects affected / exposed | 6 / 332 (1.81%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 6 / 7 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hepatic cirrhosis | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 1 | |
| Liver injury | | | |
| subjects affected / exposed | 3 / 332 (0.90%) | 2 / 331 (0.60%) | |
| occurrences causally related to treatment / all | 3 / 3 | 2 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Skin and subcutaneous tissue disorders | | | |
| Henoch-Schonlein purpura | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pyoderma gangrenosum | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Renal and urinary disorders | | | |
| Acute kidney injury | | | |
| subjects affected / exposed | 3 / 332 (0.90%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 3 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Calculus bladder | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Glomerulonephritis | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Haematuria | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Nephrolithiasis | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Renal failure | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Ureterolithiasis | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Urinary tract obstruction | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Endocrine disorders | | | |
| Inappropriate antidiuretic hormone secretion | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Musculoskeletal and connective tissue disorders | | | |
| Arthralgia | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Back pain | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 2 / 331 (0.60%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 3 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Connective tissue disorder | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 1 | |
| Groin pain | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Intervertebral disc protrusion | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Lumbar spinal stenosis | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |

| | | | |
|---|-----------------|-----------------|--|
| Myositis | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Osteoarthritis | | | |
| subjects affected / exposed | 2 / 332 (0.60%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Osteonecrosis | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Osteoporosis | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Polymyositis | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Rotator cuff syndrome | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Scleroderma | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Sjogren's syndrome | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Spinal pain | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Spinal stenosis | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Systemic lupus erythematosus | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 2 / 331 (0.60%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 3 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Systemic sclerosis | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Winged scapula | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Infections and infestations | | | |
| Adenovirus infection | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Appendicitis | | | |
| subjects affected / exposed | 2 / 332 (0.60%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Atypical pneumonia | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Bacterial sepsis | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 1 | 0 / 0 | |
| Bronchitis | | | |
| subjects affected / exposed | 4 / 332 (1.20%) | 5 / 331 (1.51%) | |
| occurrences causally related to treatment / all | 0 / 4 | 0 / 8 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 2 | |
| Bronchopulmonary aspergillosis | | | |
| subjects affected / exposed | 2 / 332 (0.60%) | 2 / 331 (0.60%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cellulitis | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Clostridium difficile colitis | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Diverticulitis | | | |
| subjects affected / exposed | 2 / 332 (0.60%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 3 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Encephalitis | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Febrile infection | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Gastroenteritis norovirus | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Herpes zoster | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 2 / 331 (0.60%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Herpes zoster oticus | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Infectious pleural effusion | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 1 | |
| Influenza | | | |
| subjects affected / exposed | 4 / 332 (1.20%) | 4 / 331 (1.21%) | |
| occurrences causally related to treatment / all | 0 / 5 | 0 / 5 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Leishmaniasis | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Localised infection | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Lower respiratory tract infection | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 3 / 331 (0.91%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 3 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Lung infection | | | |

| | | | |
|---|------------------|------------------|--|
| subjects affected / exposed | 3 / 332 (0.90%) | 3 / 331 (0.91%) | |
| occurrences causally related to treatment / all | 0 / 3 | 0 / 4 | |
| deaths causally related to treatment / all | 0 / 1 | 0 / 0 | |
| Meningitis aseptic | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Metapneumovirus infection | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Orchitis | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pneumococcal infection | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pneumonia | | | |
| subjects affected / exposed | 24 / 332 (7.23%) | 16 / 331 (4.83%) | |
| occurrences causally related to treatment / all | 0 / 27 | 0 / 19 | |
| deaths causally related to treatment / all | 0 / 2 | 0 / 3 | |
| Pneumonia bacterial | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 3 / 331 (0.91%) | |
| occurrences causally related to treatment / all | 0 / 1 | 1 / 3 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pneumonia legionella | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pneumonia pneumococcal | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 0 / 332 (0.00%) | 3 / 331 (0.91%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 3 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pneumonia viral | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 2 / 331 (0.60%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pseudomembranous colitis | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pulmonary sepsis | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 1 | 0 / 0 | |
| Pyelonephritis acute | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Respiratory syncytial virus infection | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Respiratory tract infection | | | |
| subjects affected / exposed | 3 / 332 (0.90%) | 3 / 331 (0.91%) | |
| occurrences causally related to treatment / all | 0 / 3 | 1 / 5 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Sepsis | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 2 / 331 (0.60%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Septic shock | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 2 / 332 (0.60%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 1 | 0 / 0 | |
| Sinusitis | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Skin infection | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Staphylococcal sepsis | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Urinary tract infection | | | |
| subjects affected / exposed | 2 / 332 (0.60%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Urosepsis | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Viral infection | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Viral upper respiratory tract infection | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Metabolism and nutrition disorders | | | |
| Decreased appetite | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Diabetes mellitus | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Fluid overload | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hyperglycaemia | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hypervolaemia | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hypokalaemia | | | |
| subjects affected / exposed | 1 / 332 (0.30%) | 0 / 331 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Malnutrition | | | |
| subjects affected / exposed | 0 / 332 (0.00%) | 1 / 331 (0.30%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |

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

| Non-serious adverse events | 150 mg Nintedanib | Placebo | |
|---|--------------------|--------------------|--|
| Total subjects affected by non-serious adverse events | | | |
| subjects affected / exposed | 308 / 332 (92.77%) | 266 / 331 (80.36%) | |
| Investigations | | | |
| Alanine aminotransferase increased | | | |
| subjects affected / exposed | 47 / 332 (14.16%) | 12 / 331 (3.63%) | |
| occurrences (all) | 53 | 17 | |
| Aspartate aminotransferase increased | | | |
| subjects affected / exposed | 41 / 332 (12.35%) | 12 / 331 (3.63%) | |
| occurrences (all) | 49 | 16 | |
| Gamma-glutamyltransferase increased | | | |
| subjects affected / exposed | 22 / 332 (6.63%) | 6 / 331 (1.81%) | |
| occurrences (all) | 29 | 6 | |
| Weight decreased | | | |
| subjects affected / exposed | 49 / 332 (14.76%) | 18 / 331 (5.44%) | |
| occurrences (all) | 53 | 18 | |
| Nervous system disorders | | | |
| Dizziness | | | |
| subjects affected / exposed | 19 / 332 (5.72%) | 15 / 331 (4.53%) | |
| occurrences (all) | 34 | 16 | |
| Headache | | | |
| subjects affected / exposed | 37 / 332 (11.14%) | 27 / 331 (8.16%) | |
| occurrences (all) | 52 | 37 | |
| General disorders and administration site conditions | | | |
| Asthenia | | | |
| subjects affected / exposed | 18 / 332 (5.42%) | 14 / 331 (4.23%) | |
| occurrences (all) | 20 | 17 | |
| Chest pain | | | |
| subjects affected / exposed | 17 / 332 (5.12%) | 14 / 331 (4.23%) | |
| occurrences (all) | 21 | 14 | |
| Fatigue | | | |
| subjects affected / exposed | 34 / 332 (10.24%) | 21 / 331 (6.34%) | |
| occurrences (all) | 38 | 25 | |
| Oedema peripheral | | | |

| | | | |
|---|---------------------------|--------------------------|--|
| subjects affected / exposed occurrences (all) | 18 / 332 (5.42%) 18 | 22 / 331 (6.65%) 28 | |
| Pyrexia subjects affected / exposed occurrences (all) | 17 / 332 (5.12%) 19 | 18 / 331 (5.44%) 20 | |
| Gastrointestinal disorders | | | |
| Abdominal pain subjects affected / exposed occurrences (all) | 34 / 332 (10.24%) 42 | 9 / 331 (2.72%) 10 | |
| Abdominal pain upper subjects affected / exposed occurrences (all) | 33 / 332 (9.94%) 46 | 6 / 331 (1.81%) 6 | |
| Constipation subjects affected / exposed occurrences (all) | 25 / 332 (7.53%) 29 | 32 / 331 (9.67%) 36 | |
| Diarrhoea subjects affected / exposed occurrences (all) | 239 / 332 (71.99%) 577 | 85 / 331 (25.68%) 115 | |
| Nausea subjects affected / exposed occurrences (all) | 100 / 332 (30.12%) 173 | 33 / 331 (9.97%) 45 | |
| Vomiting subjects affected / exposed occurrences (all) | 64 / 332 (19.28%) 129 | 16 / 331 (4.83%) 20 | |
| Hepatobiliary disorders | | | |
| Hepatic function abnormal subjects affected / exposed occurrences (all) | 19 / 332 (5.72%) 27 | 3 / 331 (0.91%) 4 | |
| Respiratory, thoracic and mediastinal disorders | | | |
| Cough subjects affected / exposed occurrences (all) | 40 / 332 (12.05%) 48 | 50 / 331 (15.11%) 66 | |
| Dyspnoea subjects affected / exposed occurrences (all) | 49 / 332 (14.76%) 54 | 46 / 331 (13.90%) 56 | |
| Skin and subcutaneous tissue disorders | | | |

| | | | |
|---|--|--|--|
| Pruritus subjects affected / exposed occurrences (all) | 12 / 332 (3.61%) 14 | 18 / 331 (5.44%) 19 | |
| Psychiatric disorders Insomnia subjects affected / exposed occurrences (all) | 18 / 332 (5.42%) 19 | 18 / 331 (5.44%) 19 | |
| Musculoskeletal and connective tissue disorders Arthralgia subjects affected / exposed occurrences (all) Back pain subjects affected / exposed occurrences (all) | 12 / 332 (3.61%) 13 28 / 332 (8.43%) 31 | 23 / 331 (6.95%) 24 26 / 331 (7.85%) 34 | |
| Infections and infestations Bronchitis subjects affected / exposed occurrences (all) Nasopharyngitis subjects affected / exposed occurrences (all) Respiratory tract infection subjects affected / exposed occurrences (all) Upper respiratory tract infection subjects affected / exposed occurrences (all) Urinary tract infection subjects affected / exposed occurrences (all) | 44 / 332 (13.25%) 62 54 / 332 (16.27%) 72 18 / 332 (5.42%) 28 26 / 332 (7.83%) 31 22 / 332 (6.63%) 29 | 62 / 331 (18.73%) 86 48 / 331 (14.50%) 68 12 / 331 (3.63%) 19 25 / 331 (7.55%) 29 20 / 331 (6.04%) 22 | |
| Metabolism and nutrition disorders Decreased appetite subjects affected / exposed occurrences (all) | 54 / 332 (16.27%) 69 | 22 / 331 (6.65%) 22 | |

More information

Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date | Amendment |
|------------------|--|
| 21 December 2016 | To address a recommendation by the FDA, the primary analysis of the primary endpoint was also planned to be performed in the complementary population of patients with other High Resolution Computed Tomography (HRCT) fibrotic patterns; Serum banking was changed from mandatory to optional to ensure that the trial could be conducted according to regulatory and ethical requirements in the participating countries; Flow chart Part B was updated to ensure that Electrocardiogram (ECG) was also performed at end of trial part B (EOTB); Scoring instructions for Living with Pulmonary Fibrosis (L-PF) domains were updated; Information was added to adapt informed consent handling for specific regulatory requirements in Japan; |
| 08 June 2018 | Following main changes were introduced: End of trial (EOT) and roll over in the open-label extension trial: After BI communicated end of the trial, EOTB Visit was performed in all ongoing patients. Patients receiving trial medication until end of Part B could be eligible for open-label treatment with nintedanib in a separate trial. Trial 1199.247 was planned to last until all patients completed EOTB Visit and Follow-up Visit as applicable; End of trial part A (EOTA) was done in cases of premature trial medication discontinuation during Part A of the trial with a Follow-up Visit 4 weeks later. A scheduled visit (V3-V9) could be skipped if EOTA or Follow-up Visit occurred within 4 weeks prior to scheduled visits; In case of premature discontinuation of trial medication during Part B, EOTB was done as soon as possible after last drug intake and a Follow-up Visit was to be completed 4 weeks after EOTB. A scheduled visit could be skipped if EOTB or Follow-up Visit occurred within 4 weeks prior to scheduled visits. For patients completing the trial regularly, EOTB was scheduled after BI's communication of the end of the trial. For patients not rolling over in the separate open-label trial, a Follow-up Visit was completed 4 weeks after EOTB. The specific time window for EOTB was removed, time intervals for Visits X and Xa corrected, and the need for Interactive Response Technology (IRT) call included; All adverse events (AE)s (non-serious and serious), all AE of special interest (AESIs) were collected after the EOT, including the residual effect period until the individual patient's end of trial; Additional AE analyses were specified to take the half-life of the trial drug into account: AEs that occurred between start of treatment and up to 7 days after date of last dose of trial medication were analysed in addition; Details were added regarding drug induced liver injury (DILI) handling: Potential DILI cases were defined as AESIs and a DILI checklist had to be completed. |

Notes:

Interruptions (globally)

Were there any global interruptions to the trial? No

Limitations and caveats

None reported