



Clinical trial results:

An open-label, multicenter, follow-up trial to evaluate long-term safety and efficacy of brivaracetam used as adjunctive treatment at a flexible dose up to a maximum of 200 mg/day in subjects aged 16 years or older suffering from Epilepsy

Summary

| | |
|--------------------------|-------------------------------|
| EudraCT number | 2004-002140-10 |
| Trial protocol | BE CZ DE GB FI ES IT SE HU AT |
| Global end of trial date | 28 May 2019 |

Results information

| | |
|--------------------------------|------------------|
| Result version number | v1 |
| This version publication date | 18 December 2019 |
| First version publication date | 18 December 2019 |

Trial information

Trial identification

| | |
|-----------------------|--------|
| Sponsor protocol code | N01125 |
|-----------------------|--------|

Additional study identifiers

| | |
|------------------------------------|-------------|
| ISRCTN number | - |
| ClinicalTrials.gov id (NCT number) | NCT00175916 |
| WHO universal trial number (UTN) | - |

Notes:

Sponsors

| | |
|------------------------------|---|
| Sponsor organisation name | UCB Pharma S.A. |
| Sponsor organisation address | Allée de la Recherche 60, Brussels, Belgium, B-1070 |
| Public contact | Clin Trial Reg & Results Disclosure, UCB BIOSCIENCES GmbH, clinicaltrials@ucb.com |
| Scientific contact | Clin Trial Reg & Results Disclosure, UCB BIOSCIENCES GmbH, clinicaltrials@ucb.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? | Yes |

Notes:

Results analysis stage

| | |
|--|--------------|
| Analysis stage | Final |
| Date of interim/final analysis | 15 July 2019 |
| Is this the analysis of the primary completion data? | Yes |
| Primary completion date | 28 May 2019 |
| Global end of trial reached? | Yes |
| Global end of trial date | 28 May 2019 |
| Was the trial ended prematurely? | No |

Notes:

General information about the trial

Main objective of the trial:

To evaluate the long-term safety and tolerability of brivaracetam (BRV) at individualized doses with a maximum of 200mg/day in subjects suffering from epilepsy

Protection of trial subjects:

During the conduct of the study all participants were closely monitored.

Background therapy:

Background therapy as permitted in the protocol.

Evidence for comparator:

Not applicable

| | |
|---|-------------------|
| Actual start date of recruitment | 08 September 2005 |
| Long term follow-up planned | No |
| Independent data monitoring committee (IDMC) involvement? | No |

Notes:

Population of trial subjects

Subjects enrolled per country

| | |
|--------------------------------------|------------------------|
| Country: Number of subjects enrolled | Austria: 24 |
| Country: Number of subjects enrolled | Belgium: 28 |
| Country: Number of subjects enrolled | Canada: 9 |
| Country: Number of subjects enrolled | Hong Kong: 10 |
| Country: Number of subjects enrolled | Czech Republic: 52 |
| Country: Number of subjects enrolled | Finland: 30 |
| Country: Number of subjects enrolled | France: 99 |
| Country: Number of subjects enrolled | Germany: 86 |
| Country: Number of subjects enrolled | Hungary: 11 |
| Country: Number of subjects enrolled | Israel: 2 |
| Country: Number of subjects enrolled | Italy: 49 |
| Country: Number of subjects enrolled | Netherlands: 19 |
| Country: Number of subjects enrolled | Norway: 10 |
| Country: Number of subjects enrolled | Poland: 141 |
| Country: Number of subjects enrolled | Russian Federation: 47 |
| Country: Number of subjects enrolled | Serbia: 5 |
| Country: Number of subjects enrolled | Singapore: 6 |
| Country: Number of subjects enrolled | South Africa: 1 |
| Country: Number of subjects enrolled | Korea, Republic of: 79 |
| Country: Number of subjects enrolled | Spain: 23 |

| | |
|--------------------------------------|------------------|
| Country: Number of subjects enrolled | Sweden: 19 |
| Country: Number of subjects enrolled | Switzerland: 12 |
| Country: Number of subjects enrolled | Taiwan: 24 |
| Country: Number of subjects enrolled | Tunisia: 10 |
| Country: Number of subjects enrolled | Ukraine: 48 |
| Country: Number of subjects enrolled | United States: 9 |
| Worldwide total number of subjects | 853 |
| EEA total number of subjects | 591 |

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) | 7 |
| Adults (18-64 years) | 834 |
| From 65 to 84 years | 12 |
| 85 years and over | 0 |

Subject disposition

Recruitment

Recruitment details:

The study started to enroll patients in September 2005 and concluded in May 2019.

Pre-assignment

Screening details:

Participants Flow refers to the Safety Set (SS).

Period 1

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

Arms

| | |
|-----------|--------------|
| Arm title | Brivaracetam |
|-----------|--------------|

Arm description:

Brivaracetam (BRV) was administered with a maximum of 200 mg/day, twice, daily, incremented by 50 mg/day on a weekly basis, during the Up-Titration. During the Down- Titration Period, the BRV dose was decreased in steps of a maximum of 50 mg/day on a weekly basis. A last down-titration step at 20 mg/day for 1 week was included prior to the Post-Treatment Period.

| | |
|--|--------------------|
| Arm type | Experimental |
| Investigational medicinal product name | BRIVARACETAM |
| Investigational medicinal product code | BRV |
| Other name | UCB34714 |
| Pharmaceutical forms | Film-coated tablet |
| Routes of administration | Oral use |

Dosage and administration details:

10 mg and 25 mg tablets. Flexible dosing up to 200 mg/day, twice daily.

| Number of subjects in period 1 | Brivaracetam |
|---------------------------------|--------------|
| Started | 853 |
| Completed | 234 |
| Not completed | 619 |
| Adverse event, serious fatal | 19 |
| Moved overseas | 1 |
| Lack of compliance | 8 |
| Sponsor decision | 17 |
| Patient's request | 2 |
| Vigabatrin intake | 1 |
| Site was closed | 9 |
| Consent withdrawn by subject | 1 |
| Suicidal behaviour | 1 |
| Loss of job and economic burden | 1 |

| | |
|--------------------------------|-----|
| Adverse event, non-fatal | 81 |
| Subject Choice | 98 |
| Pregnancy | 1 |
| Patient went to prison | 1 |
| Treating physician's choice | 1 |
| Lost to follow-up | 17 |
| Seizure - free | 4 |
| Lack of efficacy | 354 |
| Patient cannot record seizures | 1 |
| Administrative reason | 1 |

Baseline characteristics

Reporting groups

| | |
|-----------------------|--------------|
| Reporting group title | Brivaracetam |
|-----------------------|--------------|

Reporting group description:

Brivaracetam (BRV) was administered with a maximum of 200 mg/day, twice, daily, incremented by 50 mg/day on a weekly basis, during the Up-Titration. During the Down- Titration Period, the BRV dose was decreased in steps of a maximum of 50 mg/day on a weekly basis. A last down-titration step at 20 mg/day for 1 week was included prior to the Post-Treatment Period.

| Reporting group values | Brivaracetam | Total | |
|-------------------------|--------------|-------|--|
| Number of subjects | 853 | 853 | |
| Age categorical | | | |
| Units: Subjects | | | |
| <=18 years | 14 | 14 | |
| Between 18 and 65 years | 827 | 827 | |
| >=65 years | 12 | 12 | |
| Age continuous | | | |
| Units: years | | | |
| arithmetic mean | 37.5 | | |
| standard deviation | ± 11.8 | - | |
| Gender categorical | | | |
| Units: Subjects | | | |
| Male | 435 | 435 | |
| Female | 418 | 418 | |

End points

End points reporting groups

| | |
|--|-----------------------------|
| Reporting group title | Brivaracetam |
| Reporting group description: Brivaracetam (BRV) was administered with a maximum of 200 mg/day, twice, daily, incremented by 50 mg/day on a weekly basis, during the Up-Titration. During the Down- Titration Period, the BRV dose was decreased in steps of a maximum of 50 mg/day on a weekly basis. A last down-titration step at 20 mg/day for 1 week was included prior to the Post-Treatment Period. | |
| Subject analysis set title | Brivaracetam (SS) |
| Subject analysis set type | Safety analysis |
| Subject analysis set description: Brivaracetam (BRV) was administered with a maximum of 200 mg/day, twice, daily, incremented by 50 mg/day on a weekly basis, during the Up-Titration. During the Down- Titration Period, the BRV dose was decreased in steps of a maximum of 50 mg/day on a weekly basis. A last down-titration step at 20 mg/day for 1 week was included prior to the Post-Treatment Period. Participants formed the Safety Set (SS). | |
| Subject analysis set title | Brivaracetam (POS Efficacy) |
| Subject analysis set type | Per protocol |
| Subject analysis set description: Brivaracetam (BRV) was administered with a maximum of 200 mg/day, twice, daily, incremented by 50 mg/day on a weekly basis, during the Up-Titration. During the Down- Titration Period, the BRV dose was decreased in steps of a maximum of 50 mg/day on a weekly basis. A last down-titration step at 20 mg/day for 1 week was included prior to the Post-Treatment Period. Participants formed the Partial Onset Seizure Efficacy Set (POS Efficacy). | |

Primary: Percentage of participants with at least one treatment-emergent adverse event (TEAE)

| | |
|--|---|
| End point title | Percentage of participants with at least one treatment-emergent adverse event (TEAE) ^[1] |
| End point description: Treatment-emergent adverse events (TEAEs) were defined as those events which started on or after the date of first dose of investigational medicinal product (IMP), or events in which severity worsened on or after the date of first dose of study medication. The event does not necessarily have a causal relationship with that treatment or usage. | |
| End point type | Primary |
| End point timeframe: From entry Visit 1 through End of Treatment (up to a maximum of 13 and a half years - 162 months) | |
| Notes: [1] - No statistical analyses have been specified for this primary end point. It is expected there is at least one statistical analysis for each primary end point. Justification: No formal statistical hypothesis testing was planned for this study. Results were summarized as descriptive statistics only. | |

| | | | | |
|-----------------------------------|----------------------|--|--|--|
| End point values | Brivaracetam (SS) | | | |
| Subject group type | Subject analysis set | | | |
| Number of subjects analysed | 853 | | | |
| Units: Percentage of participants | | | | |
| number (not applicable) | 84.4 | | | |

Statistical analyses

No statistical analyses for this end point

Primary: Percentage of participants who withdrew due to an adverse event (AE)

| | |
|-----------------|---|
| End point title | Percentage of participants who withdrew due to an adverse event (AE) ^[2] |
|-----------------|---|

End point description:

An AE is any untoward medical occurrence in a participant or trial participant that is administered a drug or biologic (medicinal product) or that is using a medical device. The event does not necessarily have a causal relationship with that treatment or usage.

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

End point timeframe:

From entry Visit 1 through End of Treatment (up to a maximum of 13 and a half years - 162 months)

Notes:

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

Justification: No formal statistical hypothesis testing was planned for this study. Results were summarized as descriptive statistics only.

| End point values | Brivaracetam (SS) | | | |
|-----------------------------------|----------------------|--|--|--|
| Subject group type | Subject analysis set | | | |
| Number of subjects analysed | 853 | | | |
| Units: Percentage of participants | | | | |
| number (not applicable) | 11.6 | | | |

Statistical analyses

No statistical analyses for this end point

Primary: Percentage of participants with at least one serious adverse event (SAE)

| | |
|-----------------|---|
| End point title | Percentage of participants with at least one serious adverse event (SAE) ^[3] |
|-----------------|---|

End point description:

A serious adverse event (SAE) is any untoward medical occurrence that at any dose:

- Results in death
- Is life-threatening
- Requires in patient hospitalization or prolongation of existing hospitalization
- Is a congenital anomaly or birth defect
- Is an infection that requires treatment parenteral antibiotics
- Other important medical events which based on medical or scientific judgement may jeopardize the patients or may require medical or surgical intervention to prevent any of the above.

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

End point timeframe:

From entry Visit 1 through End of Treatment (up to a maximum of 13 and a half years - 162 months)

Notes:

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

Justification: No formal statistical hypothesis testing was planned for this study. Results were summarized as descriptive statistics only.

| | | | | |
|-----------------------------------|----------------------|--|--|--|
| End point values | Brivaracetam (SS) | | | |
| Subject group type | Subject analysis set | | | |
| Number of subjects analysed | 853 | | | |
| Units: Percentage of participants | | | | |
| number (not applicable) | 29.4 | | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Partial onset seizure (POS) (type I) frequency per 28 days during the Evaluation Period

| | |
|-----------------|---|
| End point title | Partial onset seizure (POS) (type I) frequency per 28 days during the Evaluation Period |
|-----------------|---|

End point description:

The 28 day adjusted seizure frequency was calculated by dividing the number of partial seizures by the number of days for which the diary was completed, and multiplying the resulting value by 28.

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

End point timeframe:

From Baseline of the previous study to the Evaluation Period (up to a maximum of 13 and a half years - 162 months)

| | | | | |
|---------------------------------------|-----------------------------|--|--|--|
| End point values | Brivaracetam (POS Efficacy) | | | |
| Subject group type | Subject analysis set | | | |
| Number of subjects analysed | 729 | | | |
| Units: Seizures per 28 days | | | | |
| median (inter-quartile range (Q1-Q3)) | | | | |
| Baseline | 8.4 (5.0 to 16.1) | | | |
| On Treatment | 4.9 (2.1 to 10.8) | | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Percent change in Partial Onset Seizure (POS) (Type I) frequency per 28 days from Baseline of the previous study to the Evaluation Period

| | |
|-----------------|---|
| End point title | Percent change in Partial Onset Seizure (POS) (Type I) frequency per 28 days from Baseline of the previous study to the Evaluation Period |
|-----------------|---|

End point description:

The percent change from the previous study baselines, in Partial Onset Seizure (POS) (Type I) frequency per 28 days is defined as:
(the value at the previous study baselines) minus (the value at each time-points during the evaluation period) divided by the value at the previous study baselines.

| | |
|--|-----------|
| End point type | Secondary |
| End point timeframe: | |
| From Baseline of the previous study to the Evaluation Period (up to a maximum of 13 and a half years - 162 months) | |

| | | | | |
|---------------------------------------|-----------------------------|--|--|--|
| End point values | Brivaracetam (POS Efficacy) | | | |
| Subject group type | Subject analysis set | | | |
| Number of subjects analysed | 729 | | | |
| Units: Percent change | | | | |
| median (inter-quartile range (Q1-Q3)) | 43.1 (9.9 to 71.5) | | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Responder rate in POS (type I) frequency over the Evaluation Period

| | |
|---|---|
| End point title | Responder rate in POS (type I) frequency over the Evaluation Period |
| End point description: | |
| A responder is defined as a participant with a $\geq 50\%$ reduction in seizure frequency from the Baseline Period of the previous study. | |
| End point type | Secondary |
| End point timeframe: | |
| From Baseline of the previous study to the Evaluation Period (up to a maximum of 13 and a half years - 162 months) | |

| | | | | |
|-----------------------------------|-----------------------------|--|--|--|
| End point values | Brivaracetam (POS Efficacy) | | | |
| Subject group type | Subject analysis set | | | |
| Number of subjects analysed | 729 | | | |
| Units: Percentage of participants | | | | |
| number (not applicable) | 43.6 | | | |

Statistical analyses

No statistical analyses for this end point

Adverse events

Adverse events information

Timeframe for reporting adverse events:

From the Entry Visit, at Month 0 and up to the Last Visit at Year 11.

| | |
|-----------------|----------------|
| Assessment type | Non-systematic |
|-----------------|----------------|

Dictionary used

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

| | |
|--------------------|------|
| Dictionary version | 15.0 |
|--------------------|------|

Reporting groups

| | |
|-----------------------|-------------------|
| Reporting group title | Brivaracetam (SS) |
|-----------------------|-------------------|

Reporting group description:

Brivaracetam (BRV) was administered with a maximum of 200 mg/day, twice, daily, incremented by 50 mg/day on a weekly basis, during the Up-Titration. During the Down- Titration Period, the BRV dose was decreased in steps of a maximum of 50 mg/day on a weekly basis. A last down-titration step at 20 mg/day for 1 week was included prior to the Post-Treatment Period. Participants formed the Safety Set (SS).

| Serious adverse events | Brivaracetam (SS) | | |
|---|--------------------|--|--|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 248 / 853 (29.07%) | | |
| number of deaths (all causes) | 19 | | |
| number of deaths resulting from adverse events | 2 | | |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) | | | |
| Prostate cancer | | | |
| subjects affected / exposed | 4 / 853 (0.47%) | | |
| occurrences causally related to treatment / all | 0 / 4 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Astrocytoma | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Basal cell carcinoma | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Breast cancer | | | |

| | | | | |
|---|-----------------|--|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Breast cancer metastatic | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Chronic lymphocytic leukaemia | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Colon cancer | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Ependymoma | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Fibroma | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Lung neoplasm malignant | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Mesothelioma | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 1 | | | |
| Mixed oligo-astrocytoma | | | | |

| | | | |
|---|-----------------|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Neoplasm prostate | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Ovarian neoplasm | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Prostate cancer recurrent | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Testicular neoplasm | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Uterine leiomyoma | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Vascular disorders | | | |
| Circulatory collapse | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Haematoma | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Hypertension | | | |

| | | | |
|---|-----------------|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Hypertensive crisis | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Venous thrombosis | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Surgical and medical procedures | | | |
| Artificial urinary sphincter implant | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Cataract operation | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Cholecystectomy | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Gallbladder operation | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Hernia repair | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Radiotherapy | | | |

| | | | |
|---|-----------------|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Shoulder operation | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Tonsillectomy | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Tracheostomy | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Urethral repair | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Pregnancy, puerperium and perinatal conditions | | | |
| Pregnancy | | | |
| subjects affected / exposed | 4 / 853 (0.47%) | | |
| occurrences causally related to treatment / all | 0 / 4 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Abortion | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Abortion complete | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Foetal growth restriction | | | |

| | | | |
|--|-----------------|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Pregnancy on contraceptive | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Pregnancy on oral contraceptive | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| General disorders and administration site conditions | | | |
| Pyrexia | | | |
| subjects affected / exposed | 5 / 853 (0.59%) | | |
| occurrences causally related to treatment / all | 0 / 5 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Death | | | |
| subjects affected / exposed | 4 / 853 (0.47%) | | |
| occurrences causally related to treatment / all | 1 / 4 | | |
| deaths causally related to treatment / all | 1 / 4 | | |
| Fatigue | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | |
| occurrences causally related to treatment / all | 2 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Unevaluable event | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | |
| occurrences causally related to treatment / all | 0 / 4 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Chest pain | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Device failure | | | |

| | | | |
|---|-----------------|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Drowning | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Gait disturbance | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Haemorrhagic cyst | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Implant site haematoma | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Irritability | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Sudden death | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Immune system disorders | | | |
| Anaphylactic reaction | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Immunodeficiency | | | |

| | | | |
|---|-----------------|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Reproductive system and breast disorders | | | |
| Ovarian cyst | | | |
| subjects affected / exposed | 4 / 853 (0.47%) | | |
| occurrences causally related to treatment / all | 0 / 4 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Epididymitis | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Menometrorrhagia | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Menorrhagia | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Menstrual disorder | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Pelvic fluid collection | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Postmenopausal haemorrhage | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Uterine polyp | | | |

| | | | |
|---|-----------------|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Respiratory, thoracic and mediastinal disorders | | | |
| Asthma | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | |
| occurrences causally related to treatment / all | 0 / 3 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Acute respiratory failure | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Dyspnoea | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Interstitial lung disease | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Lung disorder | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Pneumonia aspiration | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Pulmonary embolism | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Vocal cord polyp | | | |

| | | | |
|---|-----------------|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Psychiatric disorders | | | |
| Suicidal ideation | | | |
| subjects affected / exposed | 7 / 853 (0.82%) | | |
| occurrences causally related to treatment / all | 5 / 7 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Depression | | | |
| subjects affected / exposed | 6 / 853 (0.70%) | | |
| occurrences causally related to treatment / all | 1 / 7 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Psychotic disorder | | | |
| subjects affected / exposed | 3 / 853 (0.35%) | | |
| occurrences causally related to treatment / all | 3 / 4 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Aggression | | | |
| subjects affected / exposed | 3 / 853 (0.35%) | | |
| occurrences causally related to treatment / all | 2 / 3 | | |
| deaths causally related to treatment / all | 1 / 1 | | |
| Suicide attempt | | | |
| subjects affected / exposed | 3 / 853 (0.35%) | | |
| occurrences causally related to treatment / all | 0 / 3 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Abnormal behaviour | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | |
| occurrences causally related to treatment / all | 1 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Acute psychosis | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | |
| occurrences causally related to treatment / all | 2 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Anxiety | | | |

| | | | |
|---|-----------------|--|--|
| subjects affected / exposed | 2 / 853 (0.23%) | | |
| occurrences causally related to treatment / all | 2 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Confusional state | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | |
| occurrences causally related to treatment / all | 1 / 2 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Depressed mood | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | |
| occurrences causally related to treatment / all | 1 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Dysthymic disorder | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | |
| occurrences causally related to treatment / all | 1 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Suicidal behaviour | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Agitation | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Conversion disorder | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Decreased interest | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Delirium tremens | | | |

| | | | |
|---|-----------------|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Dissociative disorder | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Insomnia | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Mental disorder | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 4 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Panic attack | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Panic disorder | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Polydipsia psychogenic | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Restlessness | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Hepatobiliary disorders | | | |
| Cholelithiasis | | | |

| | | | |
|---|------------------|--|--|
| subjects affected / exposed | 3 / 853 (0.35%) | | |
| occurrences causally related to treatment / all | 0 / 3 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Biliary colic | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Cholecystitis | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Cholecystitis acute | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Investigations | | | |
| Investigation | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Thyroid function test abnormal | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Injury, poisoning and procedural complications | | | |
| Head injury | | | |
| subjects affected / exposed | 10 / 853 (1.17%) | | |
| occurrences causally related to treatment / all | 3 / 11 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Clavicle fracture | | | |
| subjects affected / exposed | 5 / 853 (0.59%) | | |
| occurrences causally related to treatment / all | 0 / 5 | | |
| deaths causally related to treatment / all | 0 / 0 | | |

| | | | | |
|---|-----------------|--|--|--|
| Contusion | | | | |
| subjects affected / exposed | 5 / 853 (0.59%) | | | |
| occurrences causally related to treatment / all | 2 / 5 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Ankle fracture | | | | |
| subjects affected / exposed | 4 / 853 (0.47%) | | | |
| occurrences causally related to treatment / all | 0 / 4 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Fall | | | | |
| subjects affected / exposed | 4 / 853 (0.47%) | | | |
| occurrences causally related to treatment / all | 0 / 8 | | | |
| deaths causally related to treatment / all | 0 / 1 | | | |
| Femur fracture | | | | |
| subjects affected / exposed | 4 / 853 (0.47%) | | | |
| occurrences causally related to treatment / all | 0 / 4 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Laceration | | | | |
| subjects affected / exposed | 4 / 853 (0.47%) | | | |
| occurrences causally related to treatment / all | 0 / 4 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Concussion | | | | |
| subjects affected / exposed | 3 / 853 (0.35%) | | | |
| occurrences causally related to treatment / all | 0 / 3 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Extradural haematoma | | | | |
| subjects affected / exposed | 3 / 853 (0.35%) | | | |
| occurrences causally related to treatment / all | 0 / 3 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Facial bones fracture | | | | |
| subjects affected / exposed | 3 / 853 (0.35%) | | | |
| occurrences causally related to treatment / all | 2 / 3 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Hand fracture | | | | |

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|---|-----------------|--|--|--|
| subjects affected / exposed | 3 / 853 (0.35%) | | | |
| occurrences causally related to treatment / all | 0 / 3 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Spinal fracture | | | | |
| subjects affected / exposed | 3 / 853 (0.35%) | | | |
| occurrences causally related to treatment / all | 0 / 3 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Toxicity to various agents | | | | |
| subjects affected / exposed | 3 / 853 (0.35%) | | | |
| occurrences causally related to treatment / all | 0 / 3 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Hip fracture | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Jaw fracture | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Ligament rupture | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Lower limb fracture | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Meniscus lesion | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Poisoning | | | | |

| | | | | |
|---|-----------------|--|--|--|
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 1 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Skull fracture | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Skull fractured base | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Thermal burn | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Tibia fracture | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 1 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Upper limb fracture | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Accident | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 1 | | | |
| Accidental exposure | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Accidental overdose | | | | |

| | | | | |
|---|-----------------|--|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Bursa injury | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Cartilage injury | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Chest injury | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Craniocerebral injury | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Face injury | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Femoral neck fracture | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Fibula fracture | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Forearm fracture | | | | |

| | | | | |
|---|-----------------|--|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Fracture | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Incorrect dose administered | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 1 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Joint dislocation | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Lumbar vertebral fracture | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Muscle rupture | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Near drowning | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Open wound | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Overdose | | | | |

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|---|-----------------|--|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Postoperative hernia | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Radius fracture | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Rib fracture | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Road traffic accident | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 1 | | | |
| Spinal column injury | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Traumatic haematoma | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Wound | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Wrist fracture | | | | |

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|---|-----------------|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Congenital, familial and genetic disorders | | | |
| Baltic myoclonic epilepsy | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | |
| occurrences causally related to treatment / all | 0 / 5 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Cardiac disorders | | | |
| Supraventricular tachycardia | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Acute coronary syndrome | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Angina pectoris | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Atrial flutter | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Cardiac disorder | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Cardiac failure | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |

| | | | |
|---|------------------|--|--|
| Coronary artery disease | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Myocardial infarction | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Sinus tachycardia | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Nervous system disorders | | | |
| Convulsion | | | |
| subjects affected / exposed | 36 / 853 (4.22%) | | |
| occurrences causally related to treatment / all | 10 / 54 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Epilepsy | | | |
| subjects affected / exposed | 11 / 853 (1.29%) | | |
| occurrences causally related to treatment / all | 2 / 13 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Status epilepticus | | | |
| subjects affected / exposed | 10 / 853 (1.17%) | | |
| occurrences causally related to treatment / all | 2 / 12 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Grand mal convulsion | | | |
| subjects affected / exposed | 8 / 853 (0.94%) | | |
| occurrences causally related to treatment / all | 4 / 12 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Myoclonus | | | |
| subjects affected / exposed | 9 / 853 (1.06%) | | |
| occurrences causally related to treatment / all | 1 / 20 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Myoclonic epilepsy | | | |

| | | | | |
|---|-----------------|--|--|--|
| subjects affected / exposed | 4 / 853 (0.47%) | | | |
| occurrences causally related to treatment / all | 3 / 11 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Seizure cluster | | | | |
| subjects affected / exposed | 4 / 853 (0.47%) | | | |
| occurrences causally related to treatment / all | 2 / 4 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Somnolence | | | | |
| subjects affected / exposed | 3 / 853 (0.35%) | | | |
| occurrences causally related to treatment / all | 2 / 3 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Cerebrovascular accident | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Complex partial seizures | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 1 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Headache | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Hypoaesthesia | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Partial seizures with secondary generalisation | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 1 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Altered state of consciousness | | | | |

| | | | |
|---|-----------------|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Ataxia | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 1 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Aura | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Balance disorder | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Brachial plexopathy | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Cerebral haematoma | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Cerebral infarction | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Coordination abnormal | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Dizziness | | | |

| | | | | |
|---|-----------------|--|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Dysarthria | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 1 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Encephalitis | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 1 | | | |
| Hemiplegia | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Hydrocephalus | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Migraine | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Partial seizures | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Presyncope | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Psychomotor hyperactivity | | | | |

| | | | |
|---|-----------------|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Radiculitis lumbosacral | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Status migrainosus | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Subarachnoid haemorrhage | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Toxic encephalopathy | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Tremor | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Blood and lymphatic system disorders | | | |
| Anaemia macrocytic | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Ear and labyrinth disorders | | | |
| Vertigo | | | |
| subjects affected / exposed | 4 / 853 (0.47%) | | |
| occurrences causally related to treatment / all | 3 / 6 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Hypoacusis | | | |

| | | | |
|---|-----------------|--|--|
| subjects affected / exposed | 2 / 853 (0.23%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Tinnitus | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Vertigo positional | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Eye disorders | | | |
| Cataract | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Corneal erosion | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Opsoclonus myoclonus | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Vision blurred | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Visual impairment | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Gastrointestinal disorders | | | |

| | | | | |
|---|-----------------|--|--|--|
| Abdominal pain | | | | |
| subjects affected / exposed | 5 / 853 (0.59%) | | | |
| occurrences causally related to treatment / all | 0 / 5 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Vomiting | | | | |
| subjects affected / exposed | 3 / 853 (0.35%) | | | |
| occurrences causally related to treatment / all | 0 / 3 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Constipation | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Diarrhoea | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 1 / 4 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Dysphagia | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 0 / 4 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Gastric ulcer | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 1 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Gastritis | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Gastrointestinal haemorrhage | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 1 / 2 | | | |
| deaths causally related to treatment / all | 0 / 1 | | | |
| Nausea | | | | |

| | | | | |
|---|-----------------|--|--|--|
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 1 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Abdominal hernia | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Abdominal pain upper | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Anal fissure | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Colitis | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Colitis ulcerative | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Duodenitis | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 1 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Enteritis | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Gastric polyps | | | | |

| | | | |
|---|-----------------|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Ileus | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Inguinal hernia | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 3 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Intestinal obstruction | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 4 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Pancreatitis | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Proctocolitis | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Skin and subcutaneous tissue disorders | | | |
| Angioedema | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Dermatomyositis | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Hidradenitis | | | |

| | | | |
|---|-----------------|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Rash | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Swelling face | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Renal and urinary disorders | | | |
| Nephrolithiasis | | | |
| subjects affected / exposed | 3 / 853 (0.35%) | | |
| occurrences causally related to treatment / all | 1 / 6 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Bladder pain | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Calculus bladder | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Calculus ureteric | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Calculus urinary | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Dysuria | | | |

| | | | |
|---|-----------------|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Renal failure acute | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Urinary tract disorder | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Endocrine disorders | | | |
| Hypothyroidism | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Thyroiditis | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Musculoskeletal and connective tissue disorders | | | |
| Intervertebral disc protrusion | | | |
| subjects affected / exposed | 7 / 853 (0.82%) | | |
| occurrences causally related to treatment / all | 0 / 7 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Back pain | | | |
| subjects affected / exposed | 4 / 853 (0.47%) | | |
| occurrences causally related to treatment / all | 0 / 5 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Arthralgia | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |

| | | | | |
|---|-----------------|--|--|--|
| Intervertebral disc disorder | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Bursitis | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Femoroacetabular impingement | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Groin pain | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Haemarthrosis | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Lumbar spinal stenosis | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Musculoskeletal pain | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Pain in extremity | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Rhabdomyolysis | | | | |

| | | | |
|---|-----------------|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Spinal osteoarthritis | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Systemic lupus erythematosus | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Infections and infestations | | | |
| Pneumonia | | | |
| subjects affected / exposed | 9 / 853 (1.06%) | | |
| occurrences causally related to treatment / all | 2 / 14 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Sepsis | | | |
| subjects affected / exposed | 6 / 853 (0.70%) | | |
| occurrences causally related to treatment / all | 0 / 6 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Upper respiratory tract infection | | | |
| subjects affected / exposed | 4 / 853 (0.47%) | | |
| occurrences causally related to treatment / all | 0 / 4 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Urinary tract infection | | | |
| subjects affected / exposed | 4 / 853 (0.47%) | | |
| occurrences causally related to treatment / all | 0 / 4 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Appendicitis | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Postoperative wound infection | | | |

| | | | | |
|---|-----------------|--|--|--|
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Pyelonephritis | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 1 | | | |
| Septic shock | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 2 | | | |
| Skin infection | | | | |
| subjects affected / exposed | 2 / 853 (0.23%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Bronchitis | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Bronchopneumonia | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Device related infection | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Ear infection | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Gastroenteritis viral | | | | |

| | | | | |
|---|-----------------|--|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Herpes zoster | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Incision site infection | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Infected bites | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Localised infection | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Lung infection | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Pneumonia mycoplasmal | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Pulmonary tuberculosis | | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Respiratory tract infection | | | | |

| | | | |
|---|-----------------|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Tooth infection | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Tuberculosis | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Urosepsis | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Vestibular neuronitis | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Viral infection | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Metabolism and nutrition disorders | | | |
| Hyponatraemia | | | |
| subjects affected / exposed | 6 / 853 (0.70%) | | |
| occurrences causally related to treatment / all | 0 / 6 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Dehydration | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Diabetes mellitus | | | |

| | | | |
|---|-----------------|--|--|
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Histamine intolerance | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Hyperkalaemia | | | |
| subjects affected / exposed | 1 / 853 (0.12%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |

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

| Non-serious adverse events | Brivaracetam (SS) | | |
|---|--------------------|--|--|
| Total subjects affected by non-serious adverse events | | | |
| subjects affected / exposed | 569 / 853 (66.71%) | | |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) | | | |
| Somnolence | | | |
| subjects affected / exposed | 73 / 853 (8.56%) | | |
| occurrences (all) | 104 | | |
| Injury, poisoning and procedural complications | | | |
| Fall | | | |
| subjects affected / exposed | 47 / 853 (5.51%) | | |
| occurrences (all) | 62 | | |
| Contusion | | | |
| subjects affected / exposed | 45 / 853 (5.28%) | | |
| occurrences (all) | 68 | | |
| Vascular disorders | | | |
| Hypertension | | | |
| subjects affected / exposed | 43 / 853 (5.04%) | | |
| occurrences (all) | 53 | | |
| Nervous system disorders | | | |
| Headache | | | |

| | | | |
|--|--------------------|--|--|
| subjects affected / exposed | 186 / 853 (21.81%) | | |
| occurrences (all) | 419 | | |
| Dizziness | | | |
| subjects affected / exposed | 123 / 853 (14.42%) | | |
| occurrences (all) | 191 | | |
| Convulsion | | | |
| subjects affected / exposed | 112 / 853 (13.13%) | | |
| occurrences (all) | 158 | | |
| General disorders and administration site conditions | | | |
| Fatigue | | | |
| subjects affected / exposed | 84 / 853 (9.85%) | | |
| occurrences (all) | 106 | | |
| Ear and labyrinth disorders | | | |
| Vertigo | | | |
| subjects affected / exposed | 58 / 853 (6.80%) | | |
| occurrences (all) | 114 | | |
| Gastrointestinal disorders | | | |
| Diarrhoea | | | |
| subjects affected / exposed | 78 / 853 (9.14%) | | |
| occurrences (all) | 112 | | |
| Nausea | | | |
| subjects affected / exposed | 55 / 853 (6.45%) | | |
| occurrences (all) | 78 | | |
| Vomiting | | | |
| subjects affected / exposed | 53 / 853 (6.21%) | | |
| occurrences (all) | 89 | | |
| Psychiatric disorders | | | |
| Insomnia | | | |
| subjects affected / exposed | 71 / 853 (8.32%) | | |
| occurrences (all) | 95 | | |
| Depression | | | |
| subjects affected / exposed | 65 / 853 (7.62%) | | |
| occurrences (all) | 80 | | |
| Musculoskeletal and connective tissue disorders | | | |
| Back pain | | | |

| | | | |
|-----------------------------------|--------------------|--|--|
| subjects affected / exposed | 77 / 853 (9.03%) | | |
| occurrences (all) | 99 | | |
| Arthralgia | | | |
| subjects affected / exposed | 52 / 853 (6.10%) | | |
| occurrences (all) | 73 | | |
| Infections and infestations | | | |
| Nasopharyngitis | | | |
| subjects affected / exposed | 157 / 853 (18.41%) | | |
| occurrences (all) | 332 | | |
| Urinary tract infection | | | |
| subjects affected / exposed | 75 / 853 (8.79%) | | |
| occurrences (all) | 125 | | |
| Influenza | | | |
| subjects affected / exposed | 66 / 853 (7.74%) | | |
| occurrences (all) | 104 | | |
| Upper respiratory tract infection | | | |
| subjects affected / exposed | 50 / 853 (5.86%) | | |
| occurrences (all) | 127 | | |
| Bronchitis | | | |
| subjects affected / exposed | 47 / 853 (5.51%) | | |
| occurrences (all) | 68 | | |

More information

Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date | Amendment |
|------------------|--|
| 01 April 2005 | Limitation of the maximal dose to 150 mg/day. |
| 07 April 2006 | Issued to fulfill requirements by the German Central Ethics Committee; however, the amendment was not country-specific, but applied to all study sites. Updates made to several sections of the protocol to clarify wording used and study procedures. |
| 05 May 2006 | Allowed the inclusion of study participants with genetically ascertained Unverricht-Lundborg Disease (ULD) who might have benefited from BRV as adjunctive treatment in a previous confirmatory study. Furthermore, specific sections related to treatment of study participants with ULD were added. |
| 02 February 2007 | <ul style="list-style-type: none">• Updated the exclusion criteria (suppression of exclusion criteria linked to laboratory values on the basis of favorable Phase 2 data).• Updated BRV background information.• Expanded study by including study participants with POS and study participants with generalized epilepsy coming from BRV Phase 3 studies (N01252, N01254, and possibly N01253), as well as collection and analysis of their data.• Allowed the Investigator to adjust dosage of concomitant antiepileptic drug(s) (AED(s)). Withdrawal of concomitant AED(s) resulting in monotherapy with BRV was permitted.• Addition of long-term exploratory data, namely Hospital Anxiety and Depression Scale (HADS) for study participants coming from N01114, and HADS, EuroQol 5 Dimensions (EQ-5D) and socioprofessional data for study participants coming from N01252, N01254, and possibly N01253. |
| 01 June 2007 | Issued as a follow up to the Food and Drug Administration (FDA) feedback received on N01253, where the FDA specifically requested to add an additional down-titration step for study participants with POS taking BRV 50 mg/day or more—a last down-titration step at 20 mg/day for 1 week was recommended prior to the Study Post-Treatment Period. |
| 01 June 2007 | Update to Amendment 6; was issued as a follow up to the FDA feedback received on N01253 requesting that an additional down-titration step for study participants taking 50 mg/day or more be added. The amendment also did the following: <ul style="list-style-type: none">• Harmonized the duration of N01125 with the BRV program for study participants with ULD. The program was to continue until an FDA approval for the indication of ULD was obtained, or until the development program for the indication was stopped by the sponsor.• Clarified the use of 10 and 50 mg oral tablets.• Modified the instructions on the study drug storage conditions.• Clarified study procedures. |
| 26 October 2007 | Update to Amendment 6 and Amendment 9; was issued to remove some restrictions imposed on study participants switching from their previous study to this long-term follow-up (LTFU) study. The amendment also did the following: <ul style="list-style-type: none">• Clarified the inclusion criterion for birth control methods.• Clarified end of study conditions.• Modified study drug discontinuation procedures as described in Amendment 9. |

| | |
|-----------------|---|
| 04 April 2008 | <p>Amendment to Amendment 8. Updates made to several sections of the protocol to clarify study procedures and FDA warning for suicidality and suicidal thoughts for study participants taking AEDs.</p> <p>The amendment also did the following:</p> <ul style="list-style-type: none"> • Clarified the study objective. • Clarified the inclusion criterion regarding contraceptive methods (female study participants with childbearing potential were allowed to enter the study if their sexual inactivity was judged to be reliable by the Investigator). • Specified that doses beyond 40 mg/day increments were only to be made using 10 or 25 mg tablets. |
| 03 January 2011 | <p>Amendments reduced the number of assessments for the study participants in view of the quantity of data already collected, the good safety profile of the drug, the extension of the study and the focus on safety aspects. Amendment 24 is the amendment to Protocol Amendment 18 for study participants with POS/PGS. Amendment 25 is the amendment to Protocol Amendment 10 for study participants with ULD.</p> <p>Integrated Amendment 25 combined Amendment 24 and 25, as well as specified the following:</p> <ul style="list-style-type: none"> • Study participants were not allowed to convert to BRV monotherapy. • The maximum allowable daily dose of BRV was increased from 150 mg/day to 200 mg/day to align with more recent LTFU studies. The maximum dose was chosen following consultation with regulatory authorities. • Removed 2.5 mg BRV tablets and all capsules. • Introduced the Partner Pregnancy Consent form. |
| 25 October 2011 | <ul style="list-style-type: none"> • Addition of the suicidality assessment and the requirements per the Food and Drug Administration (FDA) Final Rule and update of the study variables. • Updated procedures for reporting serious adverse events (SAEs). • Specified that BRV packaging was updated (80 tablet containers no longer supplied). |
| 12 March 2015 | <ul style="list-style-type: none"> • Updated contact information. • Addition of procedures for study participants enrolling from another study (N01315). • Deletion of outdated exposure numbers. • Addition of language allowing all participants to enroll into a managed access program (or similar). • Updated protocol adherence language. • Added Sponsor declaration page. |

Notes:

Interruptions (globally)

Were there any global interruptions to the trial? No

Limitations and caveats

None reported