



Clinical trial results:

External Natural History Controlled, open-Label Intervention Study to Assess the Efficacy and Safety of Long-Term Treatment with Raxone® in Leber's Hereditary Optic Neuropathy (LHON)

Summary

| | |
|--------------------------|-------------------------|
| EudraCT number | 2015-004405-16 |
| Trial protocol | AT DE BE PT ES BG PL IT |
| Global end of trial date | 29 March 2021 |

Results information

| | |
|--------------------------------|----------------|
| Result version number | v1 (current) |
| This version publication date | 28 August 2022 |
| First version publication date | 28 August 2022 |

Trial information

Trial identification

| | |
|-----------------------|------------|
| Sponsor protocol code | SNT-IV-005 |
|-----------------------|------------|

Additional study identifiers

| | |
|------------------------------------|-------------|
| ISRCTN number | - |
| ClinicalTrials.gov id (NCT number) | NCT02774005 |
| WHO universal trial number (UTN) | - |

Notes:

Sponsors

| | |
|------------------------------|--|
| Sponsor organisation name | Santhera Pharmaceuticals (Switzerland) Ltd |
| Sponsor organisation address | Hohenrainstrasse 24, Pratteln, Switzerland, 4133 |
| Public contact | Regulatory Affairs Manager, Santhera Pharmaceuticals (Switzerland) Ltd, 41 79 811 01 98, julien.gaudias@santhera.com |
| Scientific contact | Regulatory Affairs Manager, Santhera Pharmaceuticals (Switzerland) Ltd, 41 79 811 01 98, julien.gaudias@santhera.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 | 13 April 2022 |
| Is this the analysis of the primary completion data? | Yes |
| Primary completion date | 29 March 2021 |
| Global end of trial reached? | Yes |
| Global end of trial date | 29 March 2021 |
| Was the trial ended prematurely? | No |

Notes:

General information about the trial

Main objective of the trial:

To assess efficacy of Raxone® in the promotion of recovery or stabilization of visual acuity in patients treated with Raxone® ≤1 year after the onset of symptoms, compared to an external natural history control group of idebenone naïve patients

Protection of trial subjects:

This study was conducted according to the guidelines of Good Clinical Practice (GCP), ICH E3 (CPMP/ICH/135/95), the US Code of Federal Regulations governing Protection of Human Subjects (21 CFR 50), Financial Disclosure by Clinical Investigators (21 CFR 54), Institutional Review Boards (21 CFR 56), Investigational New Drug Application (21 CFR 312), and Applications for FDA Approval to Market a New Drug (21 CFR 314), in compliance with the World Medical Assembly Declaration of Helsinki and its most recent amendments and applicable local regulatory requirements and laws

Background therapy: -

Evidence for comparator: -

| | |
|---|---------------|
| Actual start date of recruitment | 15 March 2016 |
| 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 | Poland: 39 |
| Country: Number of subjects enrolled | Portugal: 4 |
| Country: Number of subjects enrolled | Spain: 12 |
| Country: Number of subjects enrolled | United Kingdom: 29 |
| Country: Number of subjects enrolled | Austria: 9 |
| Country: Number of subjects enrolled | Belgium: 15 |
| Country: Number of subjects enrolled | Bulgaria: 5 |
| Country: Number of subjects enrolled | Germany: 4 |
| Country: Number of subjects enrolled | Italy: 12 |
| Country: Number of subjects enrolled | United States: 70 |
| Worldwide total number of subjects | 199 |
| EEA total number of subjects | 129 |

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) | 29 |
| Adults (18-64 years) | 164 |
| From 65 to 84 years | 6 |
| 85 years and over | 0 |

Subject disposition

Recruitment

Recruitment details:

214 patients were assessed for eligibility. 15 patients were excluded because they did not meet the inclusions criteria. A total of 199 patients were enrolled in the study (198 received treatment and were included in the Safety Population). There were 196 patients in the ITT population.

Pre-assignment

Screening details:

214 patients were assessed for eligibility. 15 patients were excluded because they did not meet the inclusions criteria. A total of 199 patients were enrolled in the study (198 received treatment and were included in the Safety Population). There were 196 patients in the ITT population.

Period 1

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

Blinding implementation details:

not blinded

Arms

| | |
|-----------|---------------------|
| Arm title | Idebenone 300mg TiD |
|-----------|---------------------|

Arm description:

All patients received Raxone® study drug at the same dose; there was no randomization procedure. Patients received 900 mg Raxone® (2 tablets 3 times daily (TiD) with meals) for 24 months.

| | |
|--|--------------|
| Arm type | Experimental |
| Investigational medicinal product name | Raxone |
| Investigational medicinal product code | |
| Other name | idebenone |
| Pharmaceutical forms | Tablet |
| Routes of administration | Oral use |

Dosage and administration details:

Patients received 900 mg Raxone® (2 tablets 3 times daily with meals) for 24 months.

| Number of subjects in period 1 | Idebenone 300mg TiD |
|---|---------------------|
| Started | 199 |
| Completed | 138 |
| Not completed | 61 |
| Adverse event, serious fatal | 1 |
| Pt unable to return for visits. Sent medicati | 1 |
| Consent withdrawn by subject | 23 |
| Due to Covid 19 lockdown V9 was not completed | 1 |
| Lack of compliance with study medication | 4 |

| | |
|--|----|
| cardiologist imposed travel restriction | 1 |
| Adverse event, non-fatal | 8 |
| Pt not willing to perform onsiteV9. didnt withdraw | 1 |
| Lost to follow-up | 7 |
| another study | 1 |
| subject is enrolling in a different LHON study tha | 1 |
| Genetic diagnosis reveals that a patient does not | 12 |

Baseline characteristics

Reporting groups

| | |
|--------------------------------|---------------|
| Reporting group title | Overall trial |
| Reporting group description: - | |

| Reporting group values | Overall trial | Total | |
|--|---------------|-------|--|
| Number of subjects | 199 | 199 | |
| Age categorical | | | |
| Units: Subjects | | | |
| In utero | 0 | 0 | |
| Preterm newborn infants (gestational age < 37 wks) | 0 | 0 | |
| Newborns (0-27 days) | 0 | 0 | |
| Infants and toddlers (28 days-23 months) | 0 | 0 | |
| Children (2-11 years) | 0 | 0 | |
| Adolescents (12-17 years) | 29 | 29 | |
| Adults (18-64 years) | 164 | 164 | |
| From 65-84 years | 6 | 6 | |
| 85 years and over | 0 | 0 | |
| Age continuous | | | |
| Age continuous entry numbers are based on the Safety Population n=198. | | | |
| Units: years | | | |
| median | 34.2 | | |
| standard deviation | ± 15.2 | - | |
| Gender categorical | | | |
| Gender categorical entry numbers are based on the safety Population n=198. | | | |
| Units: Subjects | | | |
| Female | 53 | 53 | |
| Male | 146 | 146 | |

Subject analysis sets

| | |
|----------------------------|--|
| Subject analysis set title | External natural history control group |
| Subject analysis set type | Per protocol |

Subject analysis set description:

Natural History (NH) comparator group: Eligible subjects/eyes for matching (n=372 pts/731eyes), Natural History comparator Group matched to LEROS mITT used for Evaluation of 12months endpoints, NH matched N=106

| Reporting group values | External natural history control group | | |
|--|--|--|--|
| Number of subjects | 106 | | |
| Age categorical | | | |
| Units: Subjects | | | |
| In utero | 0 | | |
| Preterm newborn infants (gestational age < 37 wks) | 0 | | |
| Newborns (0-27 days) | 0 | | |

| | | | |
|--|-----|--|--|
| Infants and toddlers (28 days-23 months) | 0 | | |
| Children (2-11 years) | 0 | | |
| Adolescents (12-17 years) | 0 | | |
| Adults (18-64 years) | 372 | | |
| From 65-84 years | 0 | | |
| 85 years and over | 0 | | |
| Age continuous | | | |
| Age continuous entry numbers are based on the Safety Population n=198. | | | |
| Units: years | | | |
| median | | | |
| standard deviation | ± | | |
| Gender categorical | | | |
| Gender categorical entry numbers are based on the safety Population n=198. | | | |
| Units: Subjects | | | |
| Female | 88 | | |
| Male | 18 | | |

End points

End points reporting groups

| | |
|---|--|
| Reporting group title | Idebenone 300mg TiD |
| Reporting group description: All patients received Raxone® study drug at the same dose; there was no randomization procedure. Patients received 900 mg Raxone® (2 tablets 3 times daily (TiD) with meals) for 24 months. | |
| Subject analysis set title | External natural history control group |
| Subject analysis set type | Per protocol |
| Subject analysis set description: Natural History (NH) comparator group: Eligible subjects/eyes for matching (n=372 pts/731eyes), Natural History comparator Group matched to LEROS mITT used for Evaluation of 12months endpoints, NH matched N=106 | |

Primary: Proportion of eyes that achieved CRB at M12 in those pts that started treatment with Raxone ≤1 year after onset of symptoms, compared to eyes in matching external NH control group

| | |
|--|---|
| End point title | Proportion of eyes that achieved CRB at M12 in those pts that started treatment with Raxone ≤1 year after onset of symptoms, compared to eyes in matching external NH control group |
| End point description: PEP was the proportion of eyes that achieved a Clinically Relevant Benefit (CRB) (that is, in which there was either a Clinically Relevant Recovery [CRR] of VA from Baseline or a Clinically Relevant Stabilization [CRS]) at Month 12 in those patients that started treatment with Raxone® ≤1 year after the onset of symptoms, compared to eyes in the matching external NH control group. | |
| End point type | Primary |
| End point timeframe: at Month 12 | |

| End point values | Idebenone 300mg TiD | External natural history control group | | |
|-----------------------------|---------------------|--|--|--|
| Subject group type | Reporting group | Subject analysis set | | |
| Number of subjects analysed | 80 ^[1] | 106 ^[2] | | |
| Units: eyes | | | | |
| number (not applicable) | 60 | 40 | | |

Notes:

[1] - Overall Number of Eyes Analyzed for PEP:142

[2] - Overall Number of Eyes Analyzed for PEP: 193

Natural history group matched to mITT LEROS: N=106

Statistical analyses

| | |
|----------------------------|--|
| Statistical analysis title | primary endpoint |
| Comparison groups | Idebenone 300mg TiD v External natural history control group |

| | |
|---|-------------------------|
| Number of subjects included in analysis | 186 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.0021 ^[3] |
| Method | Wald-Chi-Squares |

Notes:

[3] - P-values for Type 3 Tests are based on Wald Chi-Squares

Secondary: SEP1:Components of the primary endpoint: proportion of eyes with CRR of VA from Baseline at Month 12 compared to matching external NH control group

| | |
|-----------------|---|
| End point title | SEP1:Components of the primary endpoint: proportion of eyes with CRR of VA from Baseline at Month 12 compared to matching external NH control group |
|-----------------|---|

End point description:

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

End point timeframe:

at Month 12

| | | | | |
|-----------------------------|---------------------|--|--|--|
| End point values | Idebenone 300mg TiD | | | |
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 80 ^[4] | | | |
| Units: eyes | | | | |
| number (not applicable) | | | | |
| eyes with CRR | 47 | | | |

Notes:

[4] - Overall Number of eyes Analyzed:142

Statistical analyses

No statistical analyses for this end point

Secondary: SEP2: Components of the primary endpoint: proportion of eyes in which Baseline VA better than 1.0 logMAR was maintained at Month 12 (CRS) compared to matching external NH control group

| | |
|-----------------|--|
| End point title | SEP2: Components of the primary endpoint: proportion of eyes in which Baseline VA better than 1.0 logMAR was maintained at Month 12 (CRS) compared to matching external NH control group |
|-----------------|--|

End point description:

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

End point timeframe:

at Month 12

| | | | | |
|-----------------------------|------------------------|--|--|--|
| End point values | Idebenone 300mg TiD | | | |
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 22 ^[5] | | | |
| Units: eyes | | | | |
| number (not applicable) | | | | |
| eyes with CRS | 20 | | | |

Notes:

[5] - Overall Number of eyes Analyzed:31

Statistical analyses

No statistical analyses for this end point

Adverse events

Adverse events information

Timeframe for reporting adverse events:

>24 months

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

Dictionary used

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

| | |
|--------------------|----|
| Dictionary version | 24 |
|--------------------|----|

Reporting groups

| | |
|-----------------------|------------------|
| Reporting group title | Raxone 300mg TiD |
|-----------------------|------------------|

Reporting group description: -

| Serious adverse events | Raxone 300mg TiD | | |
|--|-------------------|--|--|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 27 / 198 (13.64%) | | |
| number of deaths (all causes) | 1 | | |
| number of deaths resulting from adverse events | 0 | | |
| General disorders and administration site conditions | | | |
| Disease Reoccurrence | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Multiple organ dysfunction syndrome | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Immune system disorders | | | |
| Hypogammaglobulinaemia | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Social circumstances | | | |
| Miscarriage of partner | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |

| | | | |
|---|-----------------|--|--|
| Psychiatric disorders | | | |
| Suicide attempt | | | |
| subjects affected / exposed | 3 / 198 (1.52%) | | |
| occurrences causally related to treatment / all | 0 / 3 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Alcohol abuse | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Anxiety disorder | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Delirium | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Depression | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Major depression | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Psychotic behaviour | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Suicidal ideation | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Investigations | | | |

| | | | | |
|---|-----------------|--|--|--|
| Alanine aminotransferase increased | | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | | |
| occurrences causally related to treatment / all | 1 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Aspartate aminotransferase increased | | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Blood creatine phosphokinase increased | | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Gamma-glutamyltransferase increased | | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | | |
| occurrences causally related to treatment / all | 1 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Urobilinogen urine increased | | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Injury, poisoning and procedural complications | | | | |
| Ankle fracture | | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Thermal burn | | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Cardiac disorders | | | | |
| Cardiac arrest | | | | |

| | | | |
|---|-----------------|--|--|
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Myocardial infarction | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Nervous system disorders | | | |
| Dizziness | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Epilepsy | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Migraine | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Multiple sclerosis | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Syncope | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Gastrointestinal disorders | | | |
| Pancreatitis | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Hepatobiliary disorders | | | |

| | | | |
|---|-----------------|--|--|
| Hepatic failure | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Skin and subcutaneous tissue disorders | | | |
| Drug reaction with eosinophilia and systemic | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Rash maculo-papular | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Renal and urinary disorders | | | |
| Acute kidney injury | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Infections and infestations | | | |
| Appendicitis | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Diverticulitis | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Diverticulitis intestinal perforated | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Pyelonephritis | | | |

| | | | |
|---|-----------------|--|--|
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Trichomoniasis | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Urinary tract infection | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Viral infection | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Vulvovaginitis | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Metabolism and nutrition disorders | | | |
| Ketoacidosis | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Metabolic acidosis | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |

Frequency threshold for reporting non-serious adverse events: 0 %

| | | | |
|---|--------------------|--|--|
| Non-serious adverse events | Raxone 300mg TiD | | |
| Total subjects affected by non-serious adverse events | | | |
| subjects affected / exposed | 148 / 198 (74.75%) | | |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) | | | |
| Anogenital warts | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Vascular disorders | | | |
| Hot flush | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Hypertension | | | |
| subjects affected / exposed | 3 / 198 (1.52%) | | |
| occurrences (all) | 3 | | |
| Orthostatic hypotension | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Raynaud's phenomenon | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| General disorders and administration site conditions | | | |
| Chest pain | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 2 | | |
| Chills | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Cyst | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 3 | | |
| Fatigue | | | |
| subjects affected / exposed | 8 / 198 (4.04%) | | |
| occurrences (all) | 8 | | |
| Influenza like illness | | | |
| subjects affected / exposed | 4 / 198 (2.02%) | | |
| occurrences (all) | 5 | | |

| | | | |
|--|----------------------|--|--|
| Malaise subjects affected / exposed occurrences (all) | 5 / 198 (2.53%) 5 | | |
| Medical device pain subjects affected / exposed occurrences (all) | 1 / 198 (0.51%) 2 | | |
| Pain subjects affected / exposed occurrences (all) | 4 / 198 (2.02%) 4 | | |
| Polyp subjects affected / exposed occurrences (all) | 1 / 198 (0.51%) 1 | | |
| Immune system disorders Seasonal allergy subjects affected / exposed occurrences (all) | 3 / 198 (1.52%) 6 | | |
| Social circumstances Orthosis user subjects affected / exposed occurrences (all) | 1 / 198 (0.51%) 1 | | |
| Reproductive system and breast disorders Cervical dysplasia subjects affected / exposed occurrences (all) | 1 / 198 (0.51%) 1 | | |
| Dysmenorrhoea subjects affected / exposed occurrences (all) | 3 / 198 (1.52%) 9 | | |
| Testicular pain subjects affected / exposed occurrences (all) | 1 / 198 (0.51%) 1 | | |
| Upper-airway cough syndrome subjects affected / exposed occurrences (all) | 1 / 198 (0.51%) 1 | | |
| Respiratory, thoracic and mediastinal disorders Allergic bronchitis | | | |

| | | | |
|------------------------------------|------------------|--|--|
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Asthma | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 10 | | |
| Cough | | | |
| subjects affected / exposed | 12 / 198 (6.06%) | | |
| occurrences (all) | 14 | | |
| Dysphonia | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Dyspnoea | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Epistaxis | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Nasal congestion | | | |
| subjects affected / exposed | 4 / 198 (2.02%) | | |
| occurrences (all) | 7 | | |
| Oropharyngeal pain | | | |
| subjects affected / exposed | 14 / 198 (7.07%) | | |
| occurrences (all) | 22 | | |
| Pulmonary congestion | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Respiratory acidosis | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Sinus congestion | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 2 | | |
| Tonsillar hypertrophy | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Upper respiratory tract congestion | | | |

| | | | |
|---|-----------------|--|--|
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Wheezing | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Psychiatric disorders | | | |
| Adjustment disorder with depressed mood | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Anger | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Anxiety | | | |
| subjects affected / exposed | 4 / 198 (2.02%) | | |
| occurrences (all) | 4 | | |
| Confusional state | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Depressed mood | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Depression | | | |
| subjects affected / exposed | 8 / 198 (4.04%) | | |
| occurrences (all) | 8 | | |
| Depressive symptom | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Hallucination | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Hallucination, visual | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Insomnia | | | |

| | | | |
|--------------------------------------|------------------|--|--|
| subjects affected / exposed | 4 / 198 (2.02%) | | |
| occurrences (all) | 4 | | |
| Irritability | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Mood altered | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Mood swings | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Panic attack | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Restlessness | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Sleep disorder | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 2 | | |
| Suicidal behaviour | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Suicidal ideation | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Glycosuria | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Investigations | | | |
| Alanine aminotransferase increased | | | |
| subjects affected / exposed | 15 / 198 (7.58%) | | |
| occurrences (all) | 16 | | |
| Aspartate aminotransferase increased | | | |

| | | | |
|--|------------------|--|--|
| subjects affected / exposed | 13 / 198 (6.57%) | | |
| occurrences (all) | 13 | | |
| Bacterial test positive | | | |
| subjects affected / exposed | 4 / 198 (2.02%) | | |
| occurrences (all) | 4 | | |
| Blood alkaline phosphatase increased | | | |
| subjects affected / exposed | 3 / 198 (1.52%) | | |
| occurrences (all) | 3 | | |
| Blood bicarbonate decreased | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 2 | | |
| Blood bilirubin increased | | | |
| subjects affected / exposed | 3 / 198 (1.52%) | | |
| occurrences (all) | 4 | | |
| Blood cholesterol increased | | | |
| subjects affected / exposed | 4 / 198 (2.02%) | | |
| occurrences (all) | 4 | | |
| Blood creatine phosphokinase | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Blood creatine phosphokinase increased | | | |
| subjects affected / exposed | 14 / 198 (7.07%) | | |
| occurrences (all) | 15 | | |
| Blood creatinine increased | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Blood glucose increased | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Blood phosphorus decreased | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 2 | | |
| Blood triglycerides increased | | | |
| subjects affected / exposed | 5 / 198 (2.53%) | | |
| occurrences (all) | 6 | | |

| | | | |
|-------------------------------------|-----------------|--|--|
| Blood urea decreased | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Blood urea increased | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Blood uric acid increased | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 2 | | |
| Eosinophil count increased | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Gamma-glutamyltransferase increased | | | |
| subjects affected / exposed | 9 / 198 (4.55%) | | |
| occurrences (all) | 9 | | |
| Gastric pH decreased | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Haematocrit decreased | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 2 | | |
| Haemoglobin decreased | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 2 | | |
| Liver function test increased | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Lymphocyte count decreased | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Lymphocyte count increased | | | |
| subjects affected / exposed | 3 / 198 (1.52%) | | |
| occurrences (all) | 3 | | |
| Mean cell volume increased | | | |

| | | | |
|----------------------------------|-----------------|--|--|
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 2 | | |
| Monocyte count decreased | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Monocyte count increased | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 3 | | |
| Neutrophil count decreased | | | |
| subjects affected / exposed | 4 / 198 (2.02%) | | |
| occurrences (all) | 4 | | |
| Neutrophil count increased | | | |
| subjects affected / exposed | 3 / 198 (1.52%) | | |
| occurrences (all) | 3 | | |
| Protein urine present | | | |
| subjects affected / exposed | 4 / 198 (2.02%) | | |
| occurrences (all) | 5 | | |
| Red blood cell count decreased | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 2 | | |
| Transaminases increased | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Urinary sediment present | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 2 | | |
| Urine ketone body present | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 2 | | |
| Weight increased | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| White blood cell count decreased | | | |
| subjects affected / exposed | 3 / 198 (1.52%) | | |
| occurrences (all) | 3 | | |
| White blood cell count increased | | | |

| | | | |
|--|-----------------|--|--|
| subjects affected / exposed | 3 / 198 (1.52%) | | |
| occurrences (all) | 3 | | |
| White blood cells urine positive | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Injury, poisoning and procedural complications | | | |
| Arthropod bite | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Arthropod sting | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 2 | | |
| Contusion | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 2 | | |
| Corneal abrasion | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Foot fracture | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 2 | | |
| Foreign body in eye | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 2 | | |
| Head injury | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Heat stroke | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Lower limb fracture | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Overdose | | | |

| | | | |
|--|-----------------|--|--|
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Product administration error | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Radius fracture | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Skin laceration | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Sunburn | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Tendon rupture | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Thermal burn | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Wound | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Congenital, familial and genetic disorders | | | |
| Hereditary optic atrophy | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Cardiac disorders | | | |
| Coronary artery disease | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Tachycardia | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Nervous system disorders | | | |

| | | | |
|----------------------------------|-------------------|--|--|
| Burning sensation | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Dizziness | | | |
| subjects affected / exposed | 4 / 198 (2.02%) | | |
| occurrences (all) | 5 | | |
| Generalised tonic-clonic seizure | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Headache | | | |
| subjects affected / exposed | 37 / 198 (18.69%) | | |
| occurrences (all) | 131 | | |
| Hyperaesthesia | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Migraine | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 2 | | |
| Ophthalmic migraine | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 2 | | |
| Presyncope | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Seizure | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Sinus headache | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Somnolence | | | |
| subjects affected / exposed | 4 / 198 (2.02%) | | |
| occurrences (all) | 4 | | |
| Syncope | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |

| | | | |
|--|--|--|--|
| Tremor subjects affected / exposed occurrences (all) | 1 / 198 (0.51%) 1 | | |
| Blood and lymphatic system disorders Anaemia subjects affected / exposed occurrences (all) Splenomegaly subjects affected / exposed occurrences (all) | 2 / 198 (1.01%) 2 1 / 198 (0.51%) 1 | | |
| Ear and labyrinth disorders Ear pain subjects affected / exposed occurrences (all) Excessive cerumen production subjects affected / exposed occurrences (all) Hypoacusis subjects affected / exposed occurrences (all) Motion sickness subjects affected / exposed occurrences (all) | 3 / 198 (1.52%) 3 1 / 198 (0.51%) 1 1 / 198 (0.51%) 1 1 / 198 (0.51%) 1 | | |
| Eye disorders Blepharitis subjects affected / exposed occurrences (all) Eye haemorrhage subjects affected / exposed occurrences (all) Eye pain subjects affected / exposed occurrences (all) Eyelid pain subjects affected / exposed occurrences (all) Lacrimation increased | 1 / 198 (0.51%) 1 1 / 198 (0.51%) 1 5 / 198 (2.53%) 5 1 / 198 (0.51%) 1 | | |

| | | | |
|-----------------------------|------------------|--|--|
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Ocular hyperaemia | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 2 | | |
| Photophobia | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Photopsia | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Pupils unequal | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Vision blurred | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 2 | | |
| Visual acuity reduced | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Visual impairment | | | |
| subjects affected / exposed | 5 / 198 (2.53%) | | |
| occurrences (all) | 5 | | |
| Gastrointestinal disorders | | | |
| Abdominal discomfort | | | |
| subjects affected / exposed | 3 / 198 (1.52%) | | |
| occurrences (all) | 4 | | |
| Abdominal migraine | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Abdominal pain | | | |
| subjects affected / exposed | 8 / 198 (4.04%) | | |
| occurrences (all) | 10 | | |
| Abdominal pain upper | | | |
| subjects affected / exposed | 13 / 198 (6.57%) | | |
| occurrences (all) | 14 | | |

| | | | |
|----------------------------------|------------------|--|--|
| Constipation | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 2 | | |
| Dental caries | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Dental necrosis | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Diarrhoea | | | |
| subjects affected / exposed | 19 / 198 (9.60%) | | |
| occurrences (all) | 28 | | |
| Dyspepsia | | | |
| subjects affected / exposed | 5 / 198 (2.53%) | | |
| occurrences (all) | 9 | | |
| Eosinophilic oesophagitis | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Food poisoning | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Frequent bowel movements | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Gastritis | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 10 | | |
| Gastrointestinal pain | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 2 | | |
| Gastrooesophageal reflux disease | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Infrequent bowel movements | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |

| | | | |
|--|------------------------|--|--|
| Malpositioned teeth subjects affected / exposed occurrences (all) | 1 / 198 (0.51%) 2 | | |
| Nausea subjects affected / exposed occurrences (all) | 15 / 198 (7.58%) 20 | | |
| Salivary hypersecretion subjects affected / exposed occurrences (all) | 1 / 198 (0.51%) 1 | | |
| Tooth disorder subjects affected / exposed occurrences (all) | 1 / 198 (0.51%) 1 | | |
| Tooth impacted subjects affected / exposed occurrences (all) | 1 / 198 (0.51%) 1 | | |
| Toothache subjects affected / exposed occurrences (all) | 7 / 198 (3.54%) 14 | | |
| Vomiting subjects affected / exposed occurrences (all) | 6 / 198 (3.03%) 7 | | |
| Pyrexia subjects affected / exposed occurrences (all) | 5 / 198 (2.53%) 6 | | |
| Hepatobiliary disorders Hepatosplenomegaly subjects affected / exposed occurrences (all) | 1 / 198 (0.51%) 1 | | |
| Hypersensitivity subjects affected / exposed occurrences (all) | 1 / 198 (0.51%) 1 | | |
| Skin and subcutaneous tissue disorders Pregnancy of partner subjects affected / exposed occurrences (all) | 2 / 198 (1.01%) 2 | | |
| Acne | | | |

| | | | |
|-----------------------------|-----------------|--|--|
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 3 | | |
| Alopecia | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Ingrown hair | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Pruritus | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Psoriasis | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Rash | | | |
| subjects affected / exposed | 6 / 198 (3.03%) | | |
| occurrences (all) | 7 | | |
| Rash pruritic | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Scab | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Skin fissures | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Skin irritation | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Skin lesion | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Renal and urinary disorders | | | |
| Chromaturia | | | |
| subjects affected / exposed | 3 / 198 (1.52%) | | |
| occurrences (all) | 6 | | |

| | | | |
|---|-----------------------|--|--|
| Haematuria subjects affected / exposed occurrences (all) | 1 / 198 (0.51%) 1 | | |
| Nephrolithiasis subjects affected / exposed occurrences (all) | 1 / 198 (0.51%) 1 | | |
| Urine abnormality subjects affected / exposed occurrences (all) | 3 / 198 (1.52%) 3 | | |
| Prostatitis subjects affected / exposed occurrences (all) | 1 / 198 (0.51%) 1 | | |
| Endocrine disorders Hyperthyroidism subjects affected / exposed occurrences (all) | 1 / 198 (0.51%) 1 | | |
| Thyroiditis subjects affected / exposed occurrences (all) | 1 / 198 (0.51%) 1 | | |
| Musculoskeletal and connective tissue disorders Arthralgia subjects affected / exposed occurrences (all) | 3 / 198 (1.52%) 4 | | |
| Arthritis subjects affected / exposed occurrences (all) | 1 / 198 (0.51%) 1 | | |
| Back pain subjects affected / exposed occurrences (all) | 9 / 198 (4.55%) 13 | | |
| Intervertebral disc protrusion subjects affected / exposed occurrences (all) | 1 / 198 (0.51%) 1 | | |
| Musculoskeletal chest pain subjects affected / exposed occurrences (all) | 2 / 198 (1.01%) 2 | | |
| Musculoskeletal discomfort | | | |

| | | | |
|-------------------------------|-----------------|--|--|
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Myalgia | | | |
| subjects affected / exposed | 3 / 198 (1.52%) | | |
| occurrences (all) | 5 | | |
| Neck pain | | | |
| subjects affected / exposed | 3 / 198 (1.52%) | | |
| occurrences (all) | 3 | | |
| Osteoporosis | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Pain in extremity | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 2 | | |
| Pain in jaw | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Periarthritis | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Synovial cyst | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Tendonitis | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Infections and infestations | | | |
| Bacterial abdominal infection | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Bacteriuria | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Bronchitis | | | |
| subjects affected / exposed | 4 / 198 (2.02%) | | |
| occurrences (all) | 6 | | |

| | | | |
|----------------------------------|-----------------|--|--|
| Bronchitis viral | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Candida infection | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Cellulitis | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Conjunctivitis | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 2 | | |
| Ear infection | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 2 | | |
| Enterobiasis | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Eye infection | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Fungal skin infection | | | |
| subjects affected / exposed | 2 / 198 (1.01%) | | |
| occurrences (all) | 2 | | |
| Gastroenteritis | | | |
| subjects affected / exposed | 4 / 198 (2.02%) | | |
| occurrences (all) | 5 | | |
| Gastroenteritis viral | | | |
| subjects affected / exposed | 3 / 198 (1.52%) | | |
| occurrences (all) | 3 | | |
| Gastrointestinal viral infection | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Hepatitis C | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |

| | | | |
|-----------------------------------|-------------------|--|--|
| Herpes zoster | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Hordeolum | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Infection | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Influenza | | | |
| subjects affected / exposed | 8 / 198 (4.04%) | | |
| occurrences (all) | 9 | | |
| Lower respiratory tract infection | | | |
| subjects affected / exposed | 3 / 198 (1.52%) | | |
| occurrences (all) | 5 | | |
| Nasopharyngitis | | | |
| subjects affected / exposed | 33 / 198 (16.67%) | | |
| occurrences (all) | 51 | | |
| Oral herpes | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Pharyngitis | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Pharyngitis streptococcal | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Pulpitis dental | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Rhinitis | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Sinusitis | | | |
| subjects affected / exposed | 7 / 198 (3.54%) | | |
| occurrences (all) | 8 | | |

| | | | |
|------------------------------------|-----------------|--|--|
| Skin infection | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Tooth abscess | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Tooth infection | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 2 | | |
| Upper respiratory tract infection | | | |
| subjects affected / exposed | 5 / 198 (2.53%) | | |
| occurrences (all) | 7 | | |
| Urinary tract infection | | | |
| subjects affected / exposed | 4 / 198 (2.02%) | | |
| occurrences (all) | 5 | | |
| Viral infection | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Metabolism and nutrition disorders | | | |
| Decreased appetite | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Dehydration | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Fluid retention | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Hypercholesterolaemia | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Hyperlipidaemia | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Hypertriglyceridaemia | | | |

| | | | |
|-----------------------------|-----------------|--|--|
| subjects affected / exposed | 3 / 198 (1.52%) | | |
| occurrences (all) | 4 | | |
| Hyponatraemia | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |
| Periostitis | | | |
| subjects affected / exposed | 1 / 198 (0.51%) | | |
| occurrences (all) | 1 | | |

More information

Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date | Amendment |
|------------------|---|
| 22 February 2017 | Amendment 1: 1. Amendment to the Study Administrative Structure to update the study team details after changes at Santhera. 2. Amendment to the Synopsis and Section 3.1 to reflect plans to expand the study to the Rest of the World. 3. Amendment to the Synopsis, Sections 6 and 6.5.1 to clarify that only patients that do not have a known LHON-specific DNA mutation will be withdrawn from the study. 4. Amendment to Section 1.1 to update the percentage of individuals with LHON that harbor one of three point mutations in mitochondrial DNA to more than 90%. 5. Amendment to Synopsis, Study flow chart, Sections 6.2, 6.2.1, 8.5.1 and 8.6.1 to update study assessment instructions. 6. Amendment to Section 8.2.2 to state where reference safety information can be found. 7. Addition of Section 8.2.5 to describe the reporting of Suspected Unexpected Serious Adverse Reactions (SUSARs) by the Sponsor. 8. Amendment to Section 10.15 to clarify under which circumstances access to study drug would be possible after a patient completes |
| 06 March 2019 | Amendment 2: 1. Amendment to the Study Administrative Structure to update Santhera study team changes and change of the CRO name. 2. Amendment to the Signature page after change in protocol signature process and changes in the study team. 3. Amendment to Sections 4.4 and 11 to clarify that the reference guideline on contraception for this trial is the Clinical Trial Facilitation Group Guidance on Contraception 2014. 4. Amendment to Section 6.3.2 to update information on interaction with other medicinal products. 5. Amendment to Section 8.1.2 to add guidance on the definition and reporting of Adverse Events of Special Interest (AESI). 6. Amendment to Sections 8.1.6 and 8.2.3 to clarify the definition of related/unrelated AE and SAEs. 7. Amendment to Section 9.3.1 to better define the Intent-To-Treat population. 8. Amendment to Section 9.5 and the synopsis to update timelines on the preparation of the statistical analysis plan. 9. Amendment to Section 3.1, 3.2 and 9.6 and synopsis to update the number of patients to be enrolled to the LEROS study based on sample size re-calculation. 10. Amendment to Section 10.1 to clarify the notification of Urgent Safety Measures by the Investigator to the Sponsor and IRB/IEC. 11. Amendment to Section 10.4 to clarify that Quality Risk Assessment for the trial will be performed according to Santhera SOPs. 12. Amendment to Section 10 to add Section 10.18 referring to the registration of the Clinical Trial in a Publicly Accessible Database. 13. Minor editorial changes. |

Notes:

Interruptions (globally)

Were there any global interruptions to the trial? No

Limitations and caveats

None reported

