



Clinical trial results:

A randomised, multi-centre, parallel group, double-blind, placebo- and active-controlled clinical study to assess the efficacy and safety of Octenidine lozenges in the treatment of acute sore throat.

Summary

| | |
|--------------------------|------------------|
| EudraCT number | 2012-002876-15 |
| Trial protocol | DE |
| Global end of trial date | 09 November 2015 |

Results information

| | |
|--------------------------------|---------------|
| Result version number | v1 (current) |
| This version publication date | 25 March 2022 |
| First version publication date | 25 March 2022 |

Trial information

Trial identification

| | |
|-----------------------|----------|
| Sponsor protocol code | MCMK0112 |
|-----------------------|----------|

Additional study identifiers

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

Notes:

Sponsors

| | |
|------------------------------|--|
| Sponsor organisation name | Cassella-med GmbH & Co. KG |
| Sponsor organisation address | Gereonsmuehlengasse 1, Cologne, Germany, 50670 |
| Public contact | Clinical Operations, Cassella-med GmbH & Co KG, +49 8001652200, dialog@cassella-med.eu |
| Scientific contact | Clinical Operations, Cassella-med GmbH & Co KG, clinical.operations@klosterfrau.de |

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 | 14 February 2014 |
| Is this the analysis of the primary completion data? | No |
| Global end of trial reached? | Yes |
| Global end of trial date | 09 November 2015 |
| Was the trial ended prematurely? | No |

Notes:

General information about the trial

Main objective of the trial:

The primary objectives are to demonstrate superiority of Octenidine lozenges compared with placebo in terms of rate of responders, and to demonstrate non-inferiority of Octenidine lozenges compared with active comparator (neo angin®) in terms of the rate of responders.

Response is defined as a score of 4 or 5 on the Pain Relief Rating Scale (PRRS) (patient assessment) at visit 3 (study day 3 or 4, LOCF) and a total score of 0 or 1 on the Tonsillo-Pharyngitis Score (TPS) (investigator assessment) at visit 3 (study day 3 or 4, LOCF).

Both primary objectives are efficacy objectives

Protection of trial subjects:

Subjects were during the trial continuously under the supervision of a physician or an experienced nurse. If, in the opinion of the investigator, antibiotic treatment was indicated during the study, the patient was excluded and not allowed to continue the study.

Background therapy: -

Evidence for comparator: -

| | |
|---|-----------------|
| Actual start date of recruitment | 01 October 2012 |
| Long term follow-up planned | No |
| Independent data monitoring committee (IDMC) involvement? | Yes |

Notes:

Population of trial subjects

Subjects enrolled per country

| | |
|--------------------------------------|--------------|
| Country: Number of subjects enrolled | Germany: 740 |
| Worldwide total number of subjects | 740 |
| EEA total number of subjects | 740 |

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) | 87 |

| | |
|----------------------|-----|
| Adults (18-64 years) | 653 |
| From 65 to 84 years | 0 |
| 85 years and over | 0 |

Subject disposition

Recruitment

Recruitment details:

Three winter periods (2012/2013; 2013/2014 and 2014/2015) were required to complete the recruitment of sufficient amount of patients. Study subjects were recruited from September 2012 through February 2015.

Pre-assignment

Screening details:

Prior to study enrolment, the investigator informed each patient in detail about the study and they were given the Patient Information. After the patients have voluntarily signed the consent form, they were screened by confirming all inclusion and exclusion criteria.

Period 1

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

Blinding implementation details:

Octenidine, placebo and active comparator were provided as indistinguishable lozenges. Sealed individual random code envelopes were prepared for the purpose of individual unblinding of a patient's treatment allocation.

Arms

| | |
|------------------------------|------------|
| Are arms mutually exclusive? | Yes |
| Arm title | Octenidine |

Arm description:

All patients randomized and treated with Octenidine

| | |
|--|---------------------|
| Arm type | Experimental |
| Investigational medicinal product name | Octenidine lozenges |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Lozenge |
| Routes of administration | Oral use |

Dosage and administration details:

Octenidine lozenges were provided as lozenges containing 0.1% Octenidine. One lozenge was to be taken every 2 to 3 hours, so that a total of 6 lozenges were taken within 24 hours. The lozenge was not to be swallowed immediately, but kept in the mouth until it was fully dissolved.

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

Arm description:

All patients treated with Placebo

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

Dosage and administration details:

Placebo contained the same ingredients as the Octenidine lozenges, except for Octenidine. One lozenge was to be taken every 2 to 3 hours, so that a total of 6 lozenges were taken within 24 hours. The lozenge was not to be swallowed immediately, but kept in the mouth until it was fully dissolved.

| | |
|---|-------------------|
| Arm title | Neo-Angin |
| Arm description: All patients treated with Neo-Angin | |
| Arm type | Active comparator |
| Investigational medicinal product name | Neo-Angin |
| Investigational medicinal product code | Neo-Angin |
| Other name | |
| Pharmaceutical forms | Lozenge |
| Routes of administration | Other use |

Dosage and administration details:

Active comparator (Neo-Angin) was provided as the product that is marketed in Germany but without the ingredient providing red colour (Batch No. 717052). This ingredient (Ponceau 4R) is pharmacologically irrelevant. One lozenge was to be taken every 2 to 3 hours so that a total of 6 lozenges were taken within 24 hours. The lozenge was not to be swallowed immediately but was to be kept in mouth until it is fully dissolved.

| Number of subjects in period 1^[1] | Octenidine | Placebo | Neo-Angin |
|---|------------|---------|-----------|
| Started | 341 | 186 | 192 |
| Completed | 329 | 180 | 186 |
| Not completed | 12 | 6 | 6 |
| Consent withdrawn by subject | 1 | 1 | - |
| Adverse event, non-fatal | 9 | 3 | 2 |
| Additional treatment required | - | 1 | 2 |
| Randomization failure | 2 | 1 | 2 |

Notes:

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

Justification: The number of subjects reported as being in the baseline period are the same as the number of patients enrolled, but different from the number of patients randomized. Statistical analyses were carried out with the randomized patients of the three treatment arms, thus here the number of randomized patients was considered.

Baseline characteristics

Reporting groups

| | |
|---|---------------|
| Reporting group title | Overall trial |
| Reporting group description: Efficacy results of the full Analysis set (FAS) | |

| Reporting group values | Overall trial | Total | |
|---|---------------|-------|--|
| Number of subjects | 719 | 719 | |
| Age categorical | | | |
| All patients categorized by age | | | |
| Units: Subjects | | | |
| Adolescents (12-17 years) | 83 | 83 | |
| Adults (>= 18 years) | 636 | 636 | |
| Gender categorical | | | |
| All patients of the full analysis set categorized by gender | | | |
| Units: Subjects | | | |
| Male | 0 | 0 | |
| Female | 0 | 0 | |
| not recorded | 719 | 719 | |

End points

End points reporting groups

| | |
|------------------------------|---|
| Reporting group title | Octenidine |
| Reporting group description: | All patients randomized and treated with Octenidine |
| Reporting group title | Placebo |
| Reporting group description: | All patients treated with Placebo |
| Reporting group title | Neo-Angin |
| Reporting group description: | All patients treated with Neo-Angin |

Primary: Superiority of Octenidine lozenges compared with placebo

| | |
|------------------------|---|
| End point title | Superiority of Octenidine lozenges compared with placebo ^[1] |
| End point description: | The primary objectives were to demonstrate superiority of Octenidine lozenges compared with placebo in terms of rate of responders. Response was defined as a score of 4 or 5 on the Pain Relief Rating Scale (PRRS) (patient assessment) at visit 3 (Study Day 3 or 4, LOCF) and a total score of 0 or 1 on the Tonsillo-Pharyngitis Score (TPS) (investigator assessment) at visit 3 (Study Day 3 or 4, LOCF). |
| End point type | Primary |
| End point timeframe: | From visit 1 through visit 3 (study day 0 through study day 3 or 4) |

Notes:

[1] - The end point is not reporting statistics for all the arms in the baseline period. It is expected all the baseline period arms will be reported on when providing values for an end point on the baseline period.
Justification: Superiority of Octenidine lozenges refers only to placebo and not to comparator.

| End point values | Octenidine | Placebo | | |
|-----------------------------|-----------------|-----------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 341 | 186 | | |
| Units: number of subjects | | | | |
| Responder | 194 | 81 | | |
| Non-responder | 147 | 105 | | |

Statistical analyses

| | |
|-----------------------------------|---|
| Statistical analysis title | Full analysis set |
| Statistical analysis description: | Treatment response of the superiority group |
| Comparison groups | Octenidine v Placebo |

| | |
|---|----------------------------|
| Number of subjects included in analysis | 527 |
| Analysis specification | Pre-specified |
| Analysis type | superiority ^[2] |
| P-value | = 0.0031 ^[3] |
| Method | Regression, Logistic |
| Parameter estimate | Odds ratio (OR) |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | 4.5 |
| upper limit | 22.2 |
| Variability estimate | Standard deviation |

Notes:

[2] - The study was planned using an adaptive 2-stage group sequential design with possible sample size adjustment after the planned Interim Analysis.

[3] - p-value for difference Octenidine vs. resp. group

Primary: Non-inferiority of Octenidine lozenges compared with active comparator

| | |
|-----------------|---|
| End point title | Non-inferiority of Octenidine lozenges compared with active comparator ^[4] |
|-----------------|---|

End point description:

Non-inferiority of Octenidine lozenges compared with active comparator (neo-angin) in terms of the rate of responders.

Response was defined as a score of 4 or 5 on the Pain Relief Rating Scale (PRRS) (patient assessment) at visit 3 (Study Day 3 or 4, LOCF) and a total score of 0 or 1 on the Tonsillo-Pharyngitis Score (TPS) (investigator assessment) at visit 3 (Study Day 3 or 4, LOCF).

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

End point timeframe:

From visit 1 through visit 3 (study day 0 through study day 3 or 4)

Notes:

[4] - The end point is not reporting statistics for all the arms in the baseline period. It is expected all the baseline period arms will be reported on when providing values for an end point on the baseline period.

Justification: Non-inferiority of Octenidine lozenges refers only to comparator and not to placebo.

| End point values | Octenidine | Neo-Angin | | |
|-----------------------------|-----------------|-----------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 341 | 192 | | |
| Units: number of subjects | | | | |
| Responder | 194 | 104 | | |
| Non-Responder | 147 | 88 | | |

Statistical analyses

| | |
|----------------------------|-------------------|
| Statistical analysis title | Full analysis set |
|----------------------------|-------------------|

Statistical analysis description:

Treatment Response of the non-inferiority group.

| | |
|-------------------|------------------------|
| Comparison groups | Octenidine v Neo-Angin |
|-------------------|------------------------|

| | |
|---|--------------------------------|
| Number of subjects included in analysis | 533 |
| Analysis specification | Pre-specified |
| Analysis type | non-inferiority ^[5] |
| P-value | = 0.51 ^[6] |
| Method | Regression, Logistic |
| Parameter estimate | Odds ratio (OR) |
| Point estimate | 0.03 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | -5.8 |
| upper limit | 11.8 |
| Variability estimate | Standard deviation |

Notes:

[5] - The study was planned using an adaptive 2-stage group sequential design with possible sample size adjustment after the planned Interim Analysis.

[6] - p-value for difference Octenidine vs. resp. group

Secondary: Pain Relief Rating Scale (PRRS) - rate of patients with pain relief

| | |
|-----------------|---|
| End point title | Pain Relief Rating Scale (PRRS) - rate of patients with pain relief |
|-----------------|---|

End point description:

Rate of patients with pain relief at study day 1, 2, and 3/4. The patients were to be asked to assess the PRRS for sore throat using a 5 step rating scale. The results are representing the number of patients with any pain relief (PRRS score 1 to 5).

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

End point timeframe:

Course of the study from visit 2 through visit 3 (study day 1 through study day 3 or 4).

| End point values | Octenidine | Placebo | Neo-Angin | |
|-----------------------------|-----------------|-----------------|-----------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 341 | 186 | 192 | |
| Units: number of subjects | | | | |
| Study day 1 | 271 | 147 | 160 | |
| Study day 2 | 312 | 173 | 179 | |
| Study day 3/4 | 304 | 166 | 175 | |

Statistical analyses

No statistical analyses for this end point

Secondary: Tonsillo-Pharyngitis Score (TPS) - rate of patients with improvement

| | |
|-----------------|--|
| End point title | Tonsillo-Pharyngitis Score (TPS) - rate of patients with improvement |
|-----------------|--|

End point description:

The local findings in the pharynx using the TPS(10) by assessment of investigators. The results are representing rate of patients with improvement at study day 1 and study day 3/4.

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

End point timeframe:

Course of the study from visit 2 through visit 3 (study day 1 through study day 3 or 4).

| End point values | Octenidine | Placebo | Neo-Angin | |
|-----------------------------|-----------------|-----------------|-----------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 341 | 186 | 192 | |
| Units: number of subjects | | | | |
| Study day 1 | 219 | 131 | 132 | |
| Study day 3/4 | 331 | 177 | 181 | |

Statistical analyses

No statistical analyses for this end point

Secondary: Tonsillo-Pharyngitis Score (TPS) - mean change at Visit 2

End point title | Tonsillo-Pharyngitis Score (TPS) - mean change at Visit 2

End point description:

The local findings in the pharynx using the TPS(10) by assessment of investigators. Results are representing the mean change from baseline at Visit 2 (study day 1).

End point type | Secondary

End point timeframe:

Course of the study from visit 1 through visit 2 (study day 0 to study day 1).

| End point values | Octenidine | Placebo | Neo-Angin | |
|--------------------------------------|-----------------|-----------------|-----------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 338 | 184 | 191 | |
| Units: other | | | | |
| arithmetic mean (standard deviation) | -1.0 (± 1.1) | -1.3 (± 1.2) | -1.0 (± 1.2) | |

Statistical analyses

No statistical analyses for this end point

Secondary: Tonsillo-Pharyngitis Score (TPS) - mean change at Visit 3

End point title | Tonsillo-Pharyngitis Score (TPS) - mean change at Visit 3

End point description:

The local findings in the pharynx using the TPS(10) by assessment of investigators. Results are representing the mean change from baseline at Visit 3 (study day 3/4).

End point type | Secondary

End point timeframe:

Course of the study from visit 1 through visit 3 (study day 0 through study day 3 or 4).

| End point values | Octenidine | Placebo | Neo-Angin | |
|--------------------------------------|-----------------|-----------------|-----------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 338 | 183 | 187 | |
| Units: other | | | | |
| arithmetic mean (standard deviation) | -3.3 (± 1.4) | -3.4 (± 1.7) | -3.0 (± 1.5) | |

Statistical analyses

No statistical analyses for this end point

Secondary: Visual Analogue Scales (VAS) - mean change at Visit 2

| | |
|------------------------|--|
| End point title | Visual Analogue Scales (VAS) - mean change at Visit 2 |
| End point description: | Mean change from baseline at visit 2 with regard to Sum of VAS at rest and VAS when swallowing [cm]. |
| End point type | Secondary |
| End point timeframe: | Course of the study from visit 1 through visit 2 (study day 0 through study day 1). |

| End point values | Octenidine | Placebo | Neo-Angin | |
|--------------------------------------|-----------------|-----------------|-----------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 338 | 184 | 191 | |
| Units: other | | | | |
| arithmetic mean (standard deviation) | -3.19 (± 2.90) | -3.04 (± 2.67) | -3.21 (± 3.13) | |

Statistical analyses

No statistical analyses for this end point

Secondary: Visual Analogue Scales (VAS) - mean change at Visit 3

| | |
|------------------------|--|
| End point title | Visual Analogue Scales (VAS) - mean change at Visit 3 |
| End point description: | Mean change from baseline at visit 3 with regard to Sum of VAS at rest and VAS when swallowing [cm]. |
| End point type | Secondary |
| End point timeframe: | Course of the study from visit 1 through visit 3 (study day 0 through study day 3 or 4). |

| End point values | Octenidine | Placebo | Neo-Angin | |
|--------------------------------------|----------------------|----------------------|----------------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 333 | 183 | 187 | |
| Units: other | | | | |
| arithmetic mean (standard deviation) | -10.53 (\pm 3.85) | -10.19 (\pm 4.41) | -10.16 (\pm 4.04) | |

Statistical analyses

No statistical analyses for this end point

Adverse events

Adverse events information

Timeframe for reporting adverse events:

Adverse events are to be reported during exposure to study medication from study day 0 through study day 3/4.

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

Dictionary used

| | |
|--------------------|--------|
| Dictionary name | MedDRA |
| Dictionary version | 15 |

Reporting groups

| | |
|-----------------------|------------|
| Reporting group title | Octenidine |
|-----------------------|------------|

Reporting group description:

All patients received at least one treatment emergent Adverse Event in the Octenidine group

| | |
|-----------------------|-----------|
| Reporting group title | Neo-Angin |
|-----------------------|-----------|

Reporting group description:

All patients received at least one treatment emergent Adverse Event in the Neo-Angin group.

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

Reporting group description:

All patients received at least one treatment emergent Adverse Event in the placebo group.

| Serious adverse events | Octenidine | Neo-Angin | Placebo |
|---|--|-----------------|-----------------|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 0 / 344 (0.00%) | 1 / 191 (0.52%) | 0 / 188 (0.00%) |
| number of deaths (all causes) | 0 | 0 | 0 |
| number of deaths resulting from adverse events | 0 | 0 | 0 |
| Gastrointestinal disorders | | | |
| Abdominal pain lower | Additional description: One patient in the neo-angin group reported an SAE of abdominal pain lower and was hospitalised with suspected appendicitis. | | |
| subjects affected / exposed | 0 / 344 (0.00%) | 1 / 191 (0.52%) | 0 / 188 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |

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

| Non-serious adverse events | Octenidine | Neo-Angin | Placebo |
|---|------------------|------------------|-----------------|
| Total subjects affected by non-serious adverse events | | | |
| subjects affected / exposed | 30 / 344 (8.72%) | 15 / 191 (7.85%) | 8 / 188 (4.26%) |
| Investigations | | | |
| Sputum abnormal | | | |

| | | | |
|--|------------------------|----------------------|----------------------|
| subjects affected / exposed occurrences (all) | 0 / 344 (0.00%) 0 | 1 / 191 (0.52%) 1 | 0 / 188 (0.00%) 0 |
| Nervous system disorders | | | |
| Dysgeusia subjects affected / exposed occurrences (all) | 14 / 344 (4.07%) 14 | 0 / 191 (0.00%) 2 | 1 / 188 (0.53%) 1 |
| Headache subjects affected / exposed occurrences (all) | 0 / 344 (0.00%) 14 | 2 / 191 (1.05%) 2 | 0 / 188 (0.00%) 1 |
| General disorders and administration site conditions | | | |
| Pyrexia subjects affected / exposed occurrences (all) | 0 / 344 (0.00%) 0 | 1 / 191 (0.52%) 1 | 0 / 188 (0.00%) 0 |
| Ear and labyrinth disorders | | | |
| Ear pain subjects affected / exposed occurrences (all) | 0 / 344 (0.00%) 0 | 1 / 191 (0.52%) 1 | 0 / 188 (0.00%) 0 |
| Gastrointestinal disorders | | | |
| Abdominal pain upper subjects affected / exposed occurrences (all) | 3 / 344 (0.87%) 13 | 0 / 191 (0.00%) 5 | 1 / 188 (0.53%) 1 |
| Diarrhoea subjects affected / exposed occurrences (all) | 3 / 344 (0.87%) 13 | 1 / 191 (0.52%) 5 | 0 / 188 (0.00%) 1 |
| Nausea subjects affected / exposed occurrences (all) | 3 / 344 (0.87%) 13 | 1 / 191 (0.52%) 5 | 0 / 188 (0.00%) 1 |
| Dry mouth subjects affected / exposed occurrences (all) | 2 / 344 (0.58%) 13 | 1 / 191 (0.52%) 5 | 0 / 188 (0.00%) 1 |
| Vomiting subjects affected / exposed occurrences (all) | 3 / 344 (0.87%) 13 | 0 / 191 (0.00%) 5 | 0 / 188 (0.00%) 1 |
| Abdominal pain lower subjects affected / exposed occurrences (all) | 0 / 344 (0.00%) 13 | 1 / 191 (0.52%) 5 | 0 / 188 (0.00%) 1 |

| | | | |
|---|-----------------|-----------------|-----------------|
| Dyspepsia | | | |
| subjects affected / exposed | 1 / 344 (0.29%) | 0 / 191 (0.00%) | 0 / 188 (0.00%) |
| occurrences (all) | 13 | 5 | 1 |
| Epigastric discomfort | | | |
| subjects affected / exposed | 1 / 344 (0.29%) | 0 / 191 (0.00%) | 0 / 188 (0.00%) |
| occurrences (all) | 13 | 5 | 1 |
| Flatulence | | | |
| subjects affected / exposed | 0 / 344 (0.00%) | 1 / 191 (0.52%) | 0 / 188 (0.00%) |
| occurrences (all) | 13 | 5 | 1 |
| Glossodynia | | | |
| subjects affected / exposed | 0 / 344 (0.00%) | 0 / 191 (0.00%) | 1 / 188 (0.53%) |
| occurrences (all) | 13 | 5 | 1 |
| Paraesthesia oral | | | |
| subjects affected / exposed | 0 / 344 (0.00%) | 1 / 191 (0.52%) | 0 / 188 (0.00%) |
| occurrences (all) | 13 | 5 | 1 |
| Respiratory, thoracic and mediastinal disorders | | | |
| Cough | | | |
| subjects affected / exposed | 3 / 344 (0.87%) | 1 / 191 (0.52%) | 0 / 188 (0.00%) |
| occurrences (all) | 3 | 4 | 2 |
| Oropharyngeal pain | | | |
| subjects affected / exposed | 1 / 344 (0.29%) | 1 / 191 (0.52%) | 1 / 188 (0.53%) |
| occurrences (all) | 3 | 4 | 2 |
| Oropharyngeal discomfort | | | |
| subjects affected / exposed | 0 / 344 (0.00%) | 1 / 191 (0.52%) | 0 / 188 (0.00%) |
| occurrences (all) | 3 | 4 | 2 |
| Productive cough | | | |
| subjects affected / exposed | 0 / 344 (0.00%) | 1 / 191 (0.52%) | 0 / 188 (0.00%) |
| occurrences (all) | 3 | 4 | 2 |
| Musculoskeletal and connective tissue disorders | | | |
| Tendonitis | | | |
| subjects affected / exposed | 0 / 344 (0.00%) | 0 / 191 (0.00%) | 1 / 188 (0.53%) |
| occurrences (all) | 0 | 0 | 1 |
| Infections and infestations | | | |
| Bronchitis | | | |
| subjects affected / exposed | 2 / 344 (0.58%) | 1 / 191 (0.52%) | 0 / 188 (0.00%) |
| occurrences (all) | 8 | 4 | 4 |

| | | | |
|-----------------------------|-----------------|-----------------|-----------------|
| Nasopharyngitis | | | |
| subjects affected / exposed | 3 / 344 (0.87%) | 0 / 191 (0.00%) | 0 / 188 (0.00%) |
| occurrences (all) | 8 | 4 | 4 |
| Rhinitis | | | |
| subjects affected / exposed | 1 / 344 (0.29%) | 1 / 191 (0.52%) | 1 / 188 (0.53%) |
| occurrences (all) | 8 | 4 | 4 |
| Sinusitis | | | |
| subjects affected / exposed | 1 / 344 (0.29%) | 1 / 191 (0.52%) | 0 / 188 (0.00%) |
| occurrences (all) | 8 | 4 | 4 |
| Tonsillitis | | | |
| subjects affected / exposed | 0 / 344 (0.00%) | 0 / 191 (0.00%) | 1 / 188 (0.53%) |
| occurrences (all) | 8 | 4 | 4 |
| Herpes zoster | | | |
| subjects affected / exposed | 0 / 344 (0.00%) | 0 / 191 (0.00%) | 1 / 188 (0.53%) |
| occurrences (all) | 8 | 4 | 4 |
| Laryngitis | | | |
| subjects affected / exposed | 0 / 344 (0.00%) | 1 / 191 (0.52%) | 0 / 188 (0.00%) |
| occurrences (all) | 8 | 4 | 4 |
| Pharyngitis | | | |
| subjects affected / exposed | 0 / 344 (0.00%) | 0 / 191 (0.00%) | 1 / 188 (0.53%) |
| occurrences (all) | 8 | 4 | 4 |
| Tonsillitis streptococcal | | | |
| subjects affected / exposed | 1 / 344 (0.29%) | 0 / 191 (0.00%) | 0 / 188 (0.00%) |
| occurrences (all) | 8 | 4 | 4 |
| Pharyngeal hypoaesthesia | | | |
| subjects affected / exposed | 0 / 344 (0.00%) | 0 / 191 (0.00%) | 1 / 188 (0.53%) |
| occurrences (all) | 3 | 4 | 2 |

More information

Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? No

Interruptions (globally)

Were there any global interruptions to the trial? No

Limitations and caveats

None reported