



## Clinical trial results:

**A multicentre, prospective, randomized, double-blind, parallel-group placebo-controlled clinical study for the assessment of the immunomodulatory efficacy, safety and clinical impact after three and six months treatment with a sublingual polyvalent bacterial vaccine (in oral mucosa) in women with recurrent urinary tract infections (rUTIs).**

### Summary

|                          |                  |
|--------------------------|------------------|
| EudraCT number           | 2013-001838-17   |
| Trial protocol           | ES GB            |
| Global end of trial date | 04 November 2020 |

### Results information

|                                   |   |
|-----------------------------------|---|
| Result version number             | v1 (current)  |
| This version publication date     | 11 October 2022   |
| First version publication date    | 11 October 2022   |
| Summary attachment (see zip file) | Synopsis MV140-SLG-003 (Synopsis CSR Uromune MV140-SLG-003.pdf) |

### Trial information

#### Trial identification

|                       |               |
|-----------------------|---------------|
| Sponsor protocol code | MV140-SLG-003 |
|-----------------------|---------------|

#### Additional study identifiers

|                                    |                |
|------------------------------------|----------------|
| ISRCTN number                      | -              |
| ClinicalTrials.gov id (NCT number) | NCT02543827    |
| WHO universal trial number (UTN)   | -              |
| Other trial identifiers            | UROMUNE: MV140 |

Notes:

#### Sponsors

|                              |   |
|------------------------------|---|
| Sponsor organisation name    | INMUNOTEK   |
| Sponsor organisation address | PUNTO MOBI, 5, ALCALA DE HENARES, Spain, 28805                            |
| Public contact               | Miguel Casanovas, INMUNOTEK S.L., +34 691490175, mcasanovas@inmunotek.com |
| Scientific contact           | Miguel Casanovas, INMUNOTEK S.L., +34 691490175, mcasanovas@inmunotek.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:

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## Results analysis stage

|  |                  |
|--|------------------|
| Analysis stage                                       | Final            |
| Date of interim/final analysis                       | 03 January 2022  |
| Is this the analysis of the primary completion data? | No               |
| Global end of trial reached?                         | Yes              |
| Global end of trial date                             | 04 November 2020 |
| Was the trial ended prematurely?                     | No               |

Notes:

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## General information about the trial

Main objective of the trial:

The main objective of this study was to determine if immunization with the bacterial vaccine MV140 would reduce the risk of and/or prevent urinary tract infections (UTI) compared to placebo in women with recurrent UTIs.

Protection of trial subjects:

All subjects received the first dose at the hospital in order to teach them the proper administration of the drug, and to observe the patient's first in touch with the immunotherapy.

All adverse events that occurred during the course of the study were recorded and assessed. These were thoroughly explored, both during a scheduled control and controls at any time when a subject reported an abnormal occurrence.

Protection of Personal Data and guarantee of digital rights. Regulation (Eu) 2016/679 of the European Parliament and of The Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation).

To ensure the rights of the subjects, the Main Researcher or collaborating researchers, through the information sheet, the objectives and requirements of the Study, the nature of the study drug and its possible side effects, will be explained to the subject in understandable language for the Subject. The information to be provided includes: a description of the endpoints of the study, the methodology used, the type of treatment, the benefits that the subject may obtain from the treatment as well as the risks they may have and the right to withdraw from study if desired.

Background therapy:

Currently, antibiotics remain the main strategy for the treatment of UTIs. However, there is high incidence of adverse reactions associated with the use of antibiotics. Moreover, multi-resistance of the bacteria to antibiotics is widely increasing, leading that more than 40% of the bacterial strains are resistant to available antibiotics in some regions of the world.

Altogether, it is reasonable to consider other preventive strategies than antibiotics such as those that reinforce the natural mechanisms of pathogen defense, such as immunostimulation or vaccination. A number of studies have shown that the oral administration of bacterial immune stimulants ameliorates RUTIs in adults and children by reducing the number, duration and severity of infectious clinical episodes. Thus, these clinical studies using a bacterial extract, which contains immunostimulatory components extracted from 18 uropathogenic *Escherichia coli* strains, have been shown to reduce the incidence of recurrent infections of the lower urinary tract in both children and adults.

The sublingual route for administration of bacterial preparations is very safe and effective for stimulating, in a strong and long-lasting way, the antigen-specific mucosa and the systemic humoral and cellular immunity. Stimulation of the oral mucosa may produce effects in distant mucosa, by activating effector mechanisms of innate and acquired immunity through the mucosal associated lymphoid tissue (MALT). The oral cavity (inductive site) contains a high density of antigen-presenting cells, mainly the Langerhans cells, with a high stimulating activity. These cells subsequently migrate to the lymph nodes, where they interact with T and B lymphocytes to induce their differentiation to effector cells. After their activation, the lymphocytes re-circulate through the different compartments of the mucosa-associated lymphoid tissue (MALT), and access different mucous membranes, including the genitourinary tract (effector site). T

Evidence for comparator: -

|   |                   |
|---|-------------------|
| Actual start date of recruitment                          | 29 September 2015 |
| 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 | Spain: 200         |
| Country: Number of subjects enrolled | United Kingdom: 40 |
| Worldwide total number of subjects   | 240                |
| EEA total number of subjects         | 200                |

Notes:

### Subjects enrolled per age group

|   |     |
|---|-----|
| In utero                                  | 0   |
| Preterm newborn - gestational age < 37 wk | 0   |
| Newborns (0-27 days)                      | 0   |
| Infants and toddlers (28 days-23 months)  | 0   |
| Children (2-11 years)                     | 0   |
| Adolescents (12-17 years)                 | 0   |
| Adults (18-64 years)                      | 186 |
| From 65 to 84 years                       | 54  |
| 85 years and over                         | 0   |

## Subject disposition

### Recruitment

Recruitment details:

The time of recruitment was between October 2015 (first patient enrolled) and April 2018 (last patient enrolled).

### Pre-assignment

Screening details:

This study included subjects (female) with rUTI, classified as non-complicated UTIs. The number of subjects screened were 240. The number of subjects who received treatment (excluded screening failures) were 230. Efficacy evaluable population (Intention-to-treat) were 215 and those who finished were 195.

### 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, Monitor, Data analyst |

Blinding implementation details:

Neither the investigator nor the subject knew about the treatment provided. The members of the investigator team, the monitoring team and the people responsible for analysing the data did not have access to blinded data either. The Researcher/Pharmacist had a way to break the code due to an emergency.

The code break would only have been carried out in emergencies, in the case the researcher needed to know in order to provide appropriate medical treatment or to ensure the safety of the subjects

### Arms

|                              |                                       |
|------------------------------|---------------------------------------|
| Are arms mutually exclusive? | Yes                                   |
| <b>Arm title</b>             | Group I active treatment for 6 months |

Arm description:

Sublingual MV140 treatment at a dose of 300 FTU/mL.

Subjects in Group I received active treatment consisting of a bacterial vaccine sublingually for 6 months (i.e. MV140 6M).

|  |                  |
|--|------------------|
| Arm type                               | Experimental     |
| Investigational medicinal product name | UROMUNE          |
| Investigational medicinal product code | MV140            |
| Other name                             |                  |
| Pharmaceutical forms                   | Sublingual spray |
| Routes of administration               | Sublingual use   |

Dosage and administration details:

Sublingual MV140 treatment at a dose of 300 FTU/mL, administered to 80 subjects with recurrent urinary tract infections, daily for 6 months.

The active trial medication was a polyvalent bacterial vaccine; the pharmaceutical form was a glycerinated suspension containing a mixture of four inactivated non-lysed bacterial concentrates (V121 Escherichia coli 25%, V113 Klebsiella pneumoniae 25%, V125 Enterococcus faecalis 25%, V127 Proteus vulgaris 25%) as active substance, at a final concentration of 300 Formazin Turbidity Units (FTU)/mL (equivalent to  $10^9$  bacteria/mL). As excipients, it contains 0.63 g of glycerol, pineapple artificial flavouring (0.01 mL), sodium chloride (9 mg/mL) and water (q.s. for 1 mL). The trial medication was administered through the sublingual route, applying two sprays daily.

|                  |                               |
|------------------|-------------------------------|
| <b>Arm title</b> | Group II placebo for 6 months |
|------------------|-------------------------------|

Arm description:

Subjects in Group II received placebo sublingually for 6 months

|          |         |
|----------|---------|
| Arm type | Placebo |
|----------|---------|

|  |                  |
|--|------------------|
| Investigational medicinal product name | Placebo          |
| Investigational medicinal product code | Placebo          |
| Other name                             |                  |
| Pharmaceutical forms                   | Sublingual spray |
| Routes of administration               | Sublingual use   |

**Dosage and administration details:**

It contained an identical solution to the test product but no active substance (without the inactivated non-lysate bacterial concentrates), and was administered through the sublingual route, applying two sprays daily.

The composition was glycerol 0.63 g, pineapple artificial flavouring 0.01 mL, sodium chloride 9 mg/mL and water q.s. for 1 mL.

|                  |   |
|------------------|---|
| <b>Arm title</b> | Group III active treatment 3 months + 3 months of placebo |
|------------------|---|

**Arm description:**

Subjects in Group III received 3 months of active treatment and then 3 months of placebo sublingually (i.e. MV140 3M).

|  |                  |
|--|------------------|
| Arm type                               | Experimental     |
| Investigational medicinal product name | UROMUNE+ Placebo |
| Investigational medicinal product code | MV140            |
| Other name                             | Uromune+Placebo  |
| Pharmaceutical forms                   | Sublingual spray |
| Routes of administration               | Sublingual use   |

**Dosage and administration details:**

Active treatment (MV140) daily for 3 months, followed by 3 months of placebo.

The active trial medication was a polyvalent bacterial vaccine; the pharmaceutical form was a glycerinated suspension containing a mixture of four inactivated non-lysated bacterial concentrates (V121 Escherichia coli 25%, V113 Klebsiella pneumoniae 25%, V125 Enterococcus faecalis 25%, V127 Proteus vulgaris 25%) as active substance, at a final concentration of 300 Formazin Turbidity Units (FTU)/mL (equivalent to  $10^9$  bacteria/mL). As excipients, it contains 0.63 g of glycerol, pineapple artificial flavouring (0.01 mL), sodium chloride (9 mg/mL) and water (q.s. for 1 mL). The trial medication was administered through the sublingual route, applying two sprays daily.

| Number of subjects in period 1 <sup>[1]</sup> | Group I active treatment for 6 months | Group II placebo for 6 months | Group III active treatment 3 months + 3 months of placebo |
|---|---------------------------------------|-------------------------------|---|
|   |                                       |                               |   |
| Started                                       | 75                                    | 78                            | 77  |
| Completed                                     | 61                                    | 65                            | 67  |
| Not completed                                 | 14                                    | 13                            | 10  |
| Screening failure                             | 4                                     | 1                             | -   |
| Consent withdrawn by subject                  | 6                                     | 5                             | 2   |
| Adverse event, non-fatal                      | 2                                     | 1                             | 3   |
| Pregnancy                                     | -                                     | 3                             | 2   |
| Other reasons                                 | -                                     | -                             | 1   |
| Lost to follow-up                             | 2                                     | 2                             | -   |
| Adverse reaction                              | -                                     | 1                             | 2   |

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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 in the baseline period are considered to be 230, the ones that were finally enrolled in the trial. The worldwide number of subjects enrolled were 240, without screening failures.

## Baseline characteristics

### Reporting groups

|   |   |
|---|---|
| Reporting group title   | Group I active treatment for 6 months                     |
| Reporting group description:<br>Sublingual MV140 treatment at a dose of 300 FTU/mL.<br>Subjects in Group I received active treatment consisting of a bacterial vaccine sublingually for 6 months (i.e. MV140 6M). |   |
| Reporting group title   | Group II placebo for 6 months                             |
| Reporting group description:<br>Subjects in Group II received placebo sublingually for 6 months   |   |
| Reporting group title   | Group III active treatment 3 months + 3 months of placebo |
| Reporting group description:<br>Subjects in Group III received 3 months of active treatment and then 3 months of placebo sublingually (i.e. MV140 3M).  |   |

| Reporting group values  | Group I active treatment for 6 months | Group II placebo for 6 months | Group III active treatment 3 months + 3 months of placebo |
|---|---------------------------------------|-------------------------------|---|
| Number of subjects  | 75                                    | 78                            | 77  |
| Age categorical   |                                       |                               |   |
| Individuals aged 18-75 years were enrolled. The median age was 48.0 [interquartile range, IQR, 34.0-61.5], 54.5 [IQR, 38.0-66.0] and 47.0 [34.0-58.0] years for groups receiving placebo and MV140 for 3 or 6 months. |                                       |                               |   |
| Units: Subjects   |                                       |                               |   |
| Adults (18-64 years)  | 63                                    | 60                            | 49  |
| From 65-84 years  | 12                                    | 18                            | 28  |
| Gender categorical  |                                       |                               |   |
| Women with recurrent urinary infections (rUTIs)   |                                       |                               |   |
| Units: Subjects   |                                       |                               |   |
| Female  | 75                                    | 78                            | 77  |

| Reporting group values  | Total |  |  |
|---|-------|--|--|
| Number of subjects  | 230   |  |  |
| Age categorical   |       |  |  |
| Individuals aged 18-75 years were enrolled. The median age was 48.0 [interquartile range, IQR, 34.0-61.5], 54.5 [IQR, 38.0-66.0] and 47.0 [34.0-58.0] years for groups receiving placebo and MV140 for 3 or 6 months. |       |  |  |
| Units: Subjects   |       |  |  |
| Adults (18-64 years)  | 172   |  |  |
| From 65-84 years  | 58    |  |  |
| Gender categorical  |       |  |  |
| Women with recurrent urinary infections (rUTIs)   |       |  |  |
| Units: Subjects   |       |  |  |
| Female  | 230   |  |  |

### Subject analysis sets

|                            |   |
|----------------------------|---|
| Subject analysis set title | Efficacy Per-protocol population analysis |
| Subject analysis set type  | Per protocol                              |

Subject analysis set description:

Evaluable per-protocol population included randomized subjects who completed the efficacy period of 12 months and adequately complied with the protocol

|                            |   |
|----------------------------|---|
| Subject analysis set title | Efficacy Intention-to-treat population analysis |
| Subject analysis set type  | Intention-to-treat                              |

Subject analysis set description:

The evaluable intention-to-treat population included all randomized subjects who completed week 12 according to the treatment assignment at randomisation.

| Reporting group values  | Efficacy Per-protocol population analysis | Efficacy Intention-to-treat population analysis |  |
|---|---|---|--|
| Number of subjects  | 193                                       | 215   |  |
| Age categorical   |   |   |  |
| Individuals aged 18-75 years were enrolled. The median age was 48.0 [interquartile range, IQR, 34.0-61.5], 54.5 [IQR, 38.0-66.0] and 47.0 [34.0-58.0] years for groups receiving placebo and MV140 for 3 or 6 months. |   |   |  |
| Units: Subjects   |   |   |  |
| Adults (18-64 years)  | 145                                       | 164   |  |
| From 65-84 years  | 48  | 51  |  |
| Gender categorical  |   |   |  |
| Women with recurrent urinary infections (rUTIs)   |   |   |  |
| Units: Subjects   |   |   |  |
| Female  | 193                                       | 215   |  |

## End points

### End points reporting groups

|   |   |
|---|---|
| Reporting group title   | Group I active treatment for 6 months                     |
| Reporting group description:<br>Sublingual MV140 treatment at a dose of 300 FTU/mL.<br>Subjects in Group I received active treatment consisting of a bacterial vaccine sublingually for 6 months (i.e. MV140 6M). |   |
| Reporting group title   | Group II placebo for 6 months                             |
| Reporting group description:<br>Subjects in Group II received placebo sublingually for 6 months   |   |
| Reporting group title   | Group III active treatment 3 months + 3 months of placebo |
| Reporting group description:<br>Subjects in Group III received 3 months of active treatment and then 3 months of placebo sublingually (i.e. MV140 3M).  |   |
| Subject analysis set title  | Efficacy Per-protocol population analysis                 |
| Subject analysis set type   | Per protocol  |
| Subject analysis set description:<br>Evaluable per-protocol population included randomized subjects who completed the efficacy period of 12 months and adequately complied with the protocol                      |   |
| Subject analysis set title  | Efficacy Intention-to-treat population analysis           |
| Subject analysis set type   | Intention-to-treat  |
| Subject analysis set description:<br>The evaluable intention-to-treat population included all randomized subjects who completed week 12 according to the treatment assignment at randomisation.                   |   |

### Primary: Comparison of the number of episodes of UTIs in the 3 study groups in the 9 months study period following 3 months of intervention (placebo or immunization)

|  |  |
|--|--|
| End point title  | Comparison of the number of episodes of UTIs in the 3 study groups in the 9 months study period following 3 months of intervention (placebo or immunization) |
| End point description:<br>Primary efficacy analysis will be based on the comparison of the average number of episodes of UTIs in the three study groups in the 9 months study period following 3 months of intervention (placebo or immunization). |  |
| End point type   | Primary  |
| End point timeframe:<br>9 months   |  |

| End point values                      | Group I active treatment for 6 months | Group II placebo for 6 months | Group III active treatment 3 months + 3 months of placebo |  |
|---------------------------------------|---------------------------------------|-------------------------------|---|--|
| Subject group type                    | Reporting group                       | Reporting group               | Reporting group   |  |
| Number of subjects analysed           | 69                                    | 76                            | 70  |  |
| Units: episodes                       |                                       |                               |   |  |
| median (inter-quartile range (Q1-Q3)) |                                       |                               |   |  |
| UTI episodes                          | 0 (0.0 to 1.0)                        | 3 (0.5 to 6.0)                | 0 (0.0 to 1.0)  |  |

## Statistical analyses

|  |   |
|--|---|
| <b>Statistical analysis title</b>  | Median number of UTI episodes   |
| Statistical analysis description:<br>According to the normal distribution analyzed, UTI episodes were analyzed by chi-square and Kruskal-Wallis nonparametric tests, respectively, comparing the two treatment groups to the placebo group. Post hoc tests with Bonferroni adjustments were subsequently conducted to evaluate pairwise differences. |   |
| Comparison groups  | Group I active treatment for 6 months v Group II placebo for 6 months v Group III active treatment 3 months + 3 months of placebo |
| Number of subjects included in analysis  | 215   |
| Analysis specification   | Pre-specified   |
| Analysis type  | superiority   |
| P-value  | < 0.001   |
| Method   | Kruskal-wallis  |
| Confidence interval  |   |
| level  | 95 %  |
| sides  | 2-sided   |

## Secondary: Comparison of the proportion of subjects who remain infection free (no UTIs) in the three study groups in the 9-month study period following 3 months of intervention (placebo or immunization)

|  |   |
|--|---|
| End point title  | Comparison of the proportion of subjects who remain infection free (no UTIs) in the three study groups in the 9-month study period following 3 months of intervention (placebo or immunization) |
| End point description:   |   |
| End point type   | Secondary   |
| End point timeframe:<br>9 months study period following 3 months of intervention (placebo or immunization) |   |

| End point values            | Group I active treatment for 6 months | Group II placebo for 6 months | Group III active treatment 3 months + 3 months of placebo |  |
|-----------------------------|---------------------------------------|-------------------------------|---|--|
| Subject group type          | Reporting group                       | Reporting group               | Reporting group   |  |
| Number of subjects analysed | 69                                    | 76                            | 70  |  |
| Units: subjects             |                                       |                               |   |  |
| number (not applicable)     |                                       |                               |   |  |
| UTI-free participants       | 40                                    | 19                            | 46  |  |

## Statistical analyses

|   |   |
|---|---|
| <b>Statistical analysis title</b>   | Proportion of UTI-free subjects   |
| Statistical analysis description:<br>According to the normal distribution analyzed, UTI episodes and UTI-free rates were analyzed by chi-square and Kruskal-Wallis nonparametric tests, respectively, comparing the two treatment groups to the placebo group. Post hoc tests with Bonferroni adjustments were subsequently conducted to evaluate pairwise differences. |   |
| Comparison groups   | Group I active treatment for 6 months v Group II placebo for 6 months v Group III active treatment 3 months + 3 months of placebo |
| Number of subjects included in analysis   | 215   |
| Analysis specification  | Pre-specified   |
| Analysis type   | superiority   |
| P-value   | < 0.001   |
| Method  | Kruskal-wallis  |
| Confidence interval   |   |
| level   | 95 %  |
| sides   | 2-sided   |

## Adverse events

### Adverse events information

Timeframe for reporting adverse events:

12 months

Adverse event reporting additional description:

Safety was evaluated throughout the study by recording all adverse events and all adverse reactions.

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

### Dictionary used

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

|                    |      |
|--------------------|------|
| Dictionary version | 23.0 |
|--------------------|------|

### Reporting groups

|                       |                                       |
|-----------------------|---------------------------------------|
| Reporting group title | Group I active treatment for 6 months |
|-----------------------|---------------------------------------|

Reporting group description:

Sublingual MV140 treatment at a dose of 300 FTU/mL.

Subjects in Group I received active treatment consisting of a bacterial vaccine sublingually for 6 months.

|                       |                               |
|-----------------------|-------------------------------|
| Reporting group title | Group II placebo for 6 months |
|-----------------------|-------------------------------|

Reporting group description:

Subjects in Group II received placebo sublingually for 6 months

|                       |   |
|-----------------------|---|
| Reporting group title | Group III active treatment 3 months + 3 months of placebo |
|-----------------------|---|

Reporting group description:

Subjects in Group III received 3 months of active treatment and then 3 months of placebo sublingually (i.e. MV140 3M).

| Serious adverse events                            | Group I active treatment for 6 months      | Group II placebo for 6 months | Group III active treatment 3 months + 3 months of placebo |
|---|--|-------------------------------|---|
| Total subjects affected by serious adverse events |  |                               |   |
| subjects affected / exposed                       | 1 / 75 (1.33%)                             | 0 / 78 (0.00%)                | 4 / 77 (5.19%)  |
| number of deaths (all causes)                     | 0  | 0                             | 0   |
| number of deaths resulting from adverse events    | 0  | 0                             | 0   |
| Surgical and medical procedures                   |  |                               |   |
| Oesophagogastric fundoplasty                      | Additional description: Surgery for reflux |                               |   |
| alternative assessment type: Systematic           |  |                               |   |
| subjects affected / exposed                       | 0 / 75 (0.00%)                             | 0 / 78 (0.00%)                | 1 / 77 (1.30%)  |
| occurrences causally related to treatment / all   | 0 / 0                                      | 0 / 0                         | 0 / 1   |
| deaths causally related to treatment / all        | 0 / 0                                      | 0 / 0                         | 0 / 0   |
| Gastric operation                                 |  |                               |   |
| alternative assessment type: Systematic           |  |                               |   |

|   |                |                |                |
|---|----------------|----------------|----------------|
| subjects affected / exposed                     | 0 / 75 (0.00%) | 0 / 78 (0.00%) | 1 / 77 (1.30%) |
| occurrences causally related to treatment / all | 0 / 0          | 0 / 0          | 0 / 1          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Cytodistension                                  |                |                |                |
| alternative assessment type: Systematic         |                |                |                |
| subjects affected / exposed                     | 0 / 75 (0.00%) | 0 / 78 (0.00%) | 1 / 77 (1.30%) |
| occurrences causally related to treatment / all | 0 / 0          | 0 / 0          | 0 / 1          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Gastrointestinal disorders                      |                |                |                |
| Gastric bleeding                                |                |                |                |
| alternative assessment type: Systematic         |                |                |                |
| subjects affected / exposed                     | 0 / 75 (0.00%) | 0 / 78 (0.00%) | 1 / 77 (1.30%) |
| occurrences causally related to treatment / all | 0 / 0          | 0 / 0          | 0 / 1          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Reproductive system and breast disorders        |                |                |                |
| Hysterectomy                                    |                |                |                |
| subjects affected / exposed                     | 0 / 75 (0.00%) | 0 / 78 (0.00%) | 1 / 77 (1.30%) |
| occurrences causally related to treatment / all | 0 / 0          | 0 / 0          | 0 / 1          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Respiratory, thoracic and mediastinal disorders |                |                |                |
| Pulmonary embolism                              |                |                |                |
| alternative assessment type: Systematic         |                |                |                |
| subjects affected / exposed                     | 1 / 75 (1.33%) | 0 / 78 (0.00%) | 0 / 77 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1          | 0 / 0          | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |
| Infections and infestations                     |                |                |                |
| Kidney infection                                |                |                |                |
| alternative assessment type: Systematic         |                |                |                |
| subjects affected / exposed                     | 0 / 75 (0.00%) | 0 / 78 (0.00%) | 1 / 77 (1.30%) |
| occurrences causally related to treatment / all | 0 / 0          | 0 / 0          | 0 / 1          |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          | 0 / 0          |

| <b>Non-serious adverse events</b>   | Group I active treatment for 6 months | Group II placebo for 6 months | Group III active treatment 3 months + 3 months of placebo |
|---|---------------------------------------|-------------------------------|---|
| Total subjects affected by non-serious adverse events<br>subjects affected / exposed  | 28 / 75 (37.33%)                      | 39 / 78 (50.00%)              | 34 / 77 (44.16%)  |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps)<br>Leiomyoma<br>alternative assessment type: Systematic<br>subjects affected / exposed<br>occurrences (all) | 0 / 75 (0.00%)<br>0                   | 1 / 78 (1.28%)<br>1           | 0 / 77 (0.00%)<br>0                                       |
| Lipoma<br>alternative assessment type: Systematic<br>subjects affected / exposed<br>occurrences (all)   | 0 / 75 (0.00%)<br>0                   | 1 / 78 (1.28%)<br>1           | 0 / 77 (0.00%)<br>0                                       |
| Additional description: Lipoma on the left arm  |                                       |                               |   |
| Vascular disorders<br>Haematoma<br>alternative assessment type: Systematic<br>subjects affected / exposed<br>occurrences (all)  | 0 / 75 (0.00%)<br>0                   | 0 / 78 (0.00%)<br>0           | 1 / 77 (1.30%)<br>1                                       |
| Additional description: Haematoma on the left arm   |                                       |                               |   |
| Surgical and medical procedures<br>Metabolic surgery<br>alternative assessment type: Systematic<br>subjects affected / exposed<br>occurrences (all)                             | 0 / 75 (0.00%)<br>0                   | 0 / 78 (0.00%)<br>0           | 1 / 77 (1.30%)<br>1                                       |
| Additional description: Bariatric surgery   |                                       |                               |   |
| Cholecystectomy<br>alternative assessment type: Systematic<br>subjects affected / exposed<br>occurrences (all)  | 0 / 75 (0.00%)<br>0                   | 0 / 78 (0.00%)<br>0           | 1 / 77 (1.30%)<br>1                                       |
| Foot operation<br>alternative assessment type: Systematic<br>subjects affected / exposed<br>occurrences (all)   | 0 / 75 (0.00%)<br>0                   | 0 / 78 (0.00%)<br>0           | 1 / 77 (1.30%)<br>1                                       |
| Parathyroid gland operation<br>alternative assessment type: Systematic  |                                       |                               |   |
| Additional description: Parathyroid adenoma surgery   |                                       |                               |   |

|  |   |                |                |
|--|---|----------------|----------------|
| subjects affected / exposed                          | 1 / 75 (1.33%)  | 0 / 78 (0.00%) | 0 / 77 (0.00%) |
| occurrences (all)                                    | 1   | 0              | 0              |
| Skin neoplasm excision                               | Additional description: Removed carcinoma of the left cheek   |                |                |
| alternative assessment type:<br>Systematic           |   |                |                |
| subjects affected / exposed                          | 0 / 75 (0.00%)  | 0 / 78 (0.00%) | 1 / 77 (1.30%) |
| occurrences (all)                                    | 0   | 0              | 1              |
| General disorders and administration site conditions |   |                |                |
| Asthenia   |   |                |                |
| alternative assessment type:<br>Systematic           |   |                |                |
| subjects affected / exposed                          | 1 / 75 (1.33%)  | 3 / 78 (3.85%) | 0 / 77 (0.00%) |
| occurrences (all)                                    | 1   | 3              | 0              |
| Pyrexia  | Additional description: 1 subject affected by Febrile syndrome and 1 subject affected by Fever                        |                |                |
| alternative assessment type:<br>Systematic           |   |                |                |
| subjects affected / exposed                          | 2 / 75 (2.67%)  | 0 / 78 (0.00%) | 0 / 77 (0.00%) |
| occurrences (all)                                    | 2   | 0              | 0              |
| Malaise  | Additional description: General malaise   |                |                |
| alternative assessment type:<br>Systematic           |   |                |                |
| subjects affected / exposed                          | 0 / 75 (0.00%)  | 1 / 78 (1.28%) | 2 / 77 (2.60%) |
| occurrences (all)                                    | 0   | 1              | 2              |
| Swelling   | Additional description: Neck lump   |                |                |
| alternative assessment type:<br>Systematic           |   |                |                |
| subjects affected / exposed                          | 0 / 75 (0.00%)  | 1 / 78 (1.28%) | 0 / 77 (0.00%) |
| occurrences (all)                                    | 0   | 1              | 0              |
| Oedema peripheral                                    | Additional description: Oedema in the lower limbs   |                |                |
| alternative assessment type:<br>Systematic           |   |                |                |
| subjects affected / exposed                          | 0 / 75 (0.00%)  | 1 / 78 (1.28%) | 0 / 77 (0.00%) |
| occurrences (all)                                    | 0   | 2              | 0              |
| Peripheral swelling                                  | Additional description: Group II: 1 subject affected by swollen foot<br>Group III: 1 subject affected by swollen legs |                |                |
| alternative assessment type:<br>Systematic           |   |                |                |
| subjects affected / exposed                          | 0 / 75 (0.00%)  | 1 / 78 (1.28%) | 1 / 77 (1.30%) |
| occurrences (all)                                    | 0   | 1              | 1              |
| Pain   | Additional description: Unknown pain  |                |                |
| alternative assessment type:<br>Systematic           |   |                |                |

|  |   |                     |                     |
|--|---|---------------------|---------------------|
| subjects affected / exposed<br>occurrences (all)   | 0 / 75 (0.00%)<br>0                                     | 0 / 78 (0.00%)<br>0 | 1 / 77 (1.30%)<br>1 |
| Immune system disorders  |   |                     |                     |
| Hypersensitivity   | Additional description: Allergic reaction to antibiotic |                     |                     |
| subjects affected / exposed<br>occurrences (all)   | 1 / 75 (1.33%)<br>1                                     | 1 / 78 (1.28%)<br>1 | 1 / 77 (1.30%)<br>1 |
| Food allergy   | Additional description: Food allergic reaction          |                     |                     |
| alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all) | 1 / 75 (1.33%)<br>1                                     | 0 / 78 (0.00%)<br>0 | 0 / 77 (0.00%)<br>0 |
| Reproductive system and breast disorders   |   |                     |                     |
| Atrophic vulvovaginitis  | Additional description: Atrophic vagina                 |                     |                     |
| alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all) | 0 / 75 (0.00%)<br>0                                     | 1 / 78 (1.28%)<br>1 | 0 / 77 (0.00%)<br>0 |
| Respiratory, thoracic and mediastinal disorders  |   |                     |                     |
| Aphonia  |   |                     |                     |
| alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all) | 1 / 75 (1.33%)<br>1                                     | 0 / 78 (0.00%)<br>0 | 0 / 77 (0.00%)<br>0 |
| Cough  |   |                     |                     |
| alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all) | 0 / 75 (0.00%)<br>0                                     | 1 / 78 (1.28%)<br>1 | 0 / 77 (0.00%)<br>0 |
| Dyspnoea   |   |                     |                     |
| alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all) | 0 / 75 (0.00%)<br>0                                     | 1 / 78 (1.28%)<br>1 | 0 / 77 (0.00%)<br>0 |
| Lung disorder  | Additional description: Pulmonary disease               |                     |                     |
| alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all) | 1 / 75 (1.33%)<br>1                                     | 0 / 78 (0.00%)<br>0 | 0 / 77 (0.00%)<br>0 |
| Increased viscosity of upper respiratory secretion   | Additional description: Thick mucus                     |                     |                     |
| alternative assessment type:<br>Systematic   |   |                     |                     |

|  |                     |                     |                     |
|--|---------------------|---------------------|---------------------|
| subjects affected / exposed<br>occurrences (all) | 0 / 75 (0.00%)<br>0 | 1 / 78 (1.28%)<br>1 | 0 / 77 (0.00%)<br>0 |
| Psychiatric disorders                            |                     |                     |                     |
| Depression                                       |                     |                     |                     |
| alternative assessment type:<br>Systematic       |                     |                     |                     |
| subjects affected / exposed                      | 0 / 75 (0.00%)      | 1 / 78 (1.28%)      | 1 / 77 (1.30%)      |
| occurrences (all)                                | 0                   | 1                   | 1                   |
| Stress   |                     |                     |                     |
| alternative assessment type:<br>Systematic       |                     |                     |                     |
| subjects affected / exposed                      | 1 / 75 (1.33%)      | 0 / 78 (0.00%)      | 0 / 77 (0.00%)      |
| occurrences (all)                                | 1                   | 0                   | 0                   |
| Depression suicidal                              |                     |                     |                     |
| subjects affected / exposed                      | 1 / 75 (1.33%)      | 0 / 78 (0.00%)      | 0 / 77 (0.00%)      |
| occurrences (all)                                | 1                   | 0                   | 0                   |
| Drug abuse                                       |                     |                     |                     |
| subjects affected / exposed                      | 0 / 75 (0.00%)      | 1 / 78 (1.28%)      | 0 / 77 (0.00%)      |
| occurrences (all)                                | 0                   | 1                   | 0                   |
| Investigations                                   |                     |                     |                     |
| Barium swallow                                   |                     |                     |                     |
| alternative assessment type:<br>Systematic       |                     |                     |                     |
| subjects affected / exposed                      | 0 / 75 (0.00%)      | 0 / 78 (0.00%)      | 1 / 77 (1.30%)      |
| occurrences (all)                                | 0                   | 0                   | 1                   |
| Colonoscopy                                      |                     |                     |                     |
| alternative assessment type:<br>Systematic       |                     |                     |                     |
| subjects affected / exposed                      | 0 / 75 (0.00%)      | 0 / 78 (0.00%)      | 1 / 77 (1.30%)      |
| occurrences (all)                                | 0                   | 0                   | 1                   |
| Endoscopy  |                     |                     |                     |
| alternative assessment type:<br>Systematic       |                     |                     |                     |
| subjects affected / exposed                      | 0 / 75 (0.00%)      | 0 / 78 (0.00%)      | 1 / 77 (1.30%)      |
| occurrences (all)                                | 0                   | 0                   | 1                   |
| Weight increased                                 |                     |                     |                     |
| alternative assessment type:<br>Systematic       |                     |                     |                     |
| subjects affected / exposed                      | 1 / 75 (1.33%)      | 0 / 78 (0.00%)      | 0 / 77 (0.00%)      |
| occurrences (all)                                | 1                   | 0                   | 0                   |
| Injury, poisoning and procedural complications   |                     |                     |                     |

|  |  |                     |                     |
|--|--|---------------------|---------------------|
| Fibula fracture<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)                          | Additional description: Broken fibula                      |                     |                     |
|  | 1 / 75 (1.33%)<br>1  | 0 / 78 (0.00%)<br>0 | 1 / 77 (1.30%)<br>1 |
|  | Additional description: Contusion in right hip             |                     |                     |
|  | 0 / 75 (0.00%)<br>0  | 1 / 78 (1.28%)<br>1 | 0 / 77 (0.00%)<br>0 |
| Road traffic accident<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)                    | Additional description: Traffic accident whiplash syndrome |                     |                     |
|  | 0 / 75 (0.00%)<br>0  | 1 / 78 (1.28%)<br>1 | 0 / 77 (0.00%)<br>0 |
|  | Additional description: Trauma from a fall                 |                     |                     |
|  | 1 / 75 (1.33%)<br>1  | 0 / 78 (0.00%)<br>0 | 0 / 77 (0.00%)<br>0 |
| Cardiac disorders<br>Atrial fibrillation<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all) |  |                     |                     |
|  | 0 / 75 (0.00%)<br>0  | 0 / 78 (0.00%)<br>0 | 1 / 77 (1.30%)<br>1 |
|  |  |                     |                     |
|  | 0 / 75 (0.00%)<br>0  | 0 / 78 (0.00%)<br>0 | 1 / 77 (1.30%)<br>1 |
| Nervous system disorders<br>Dizziness<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)    |  |                     |                     |
|  | 0 / 75 (0.00%)<br>0  | 0 / 78 (0.00%)<br>0 | 3 / 77 (3.90%)<br>3 |
|  |  |                     |                     |
|  | 1 / 75 (1.33%)<br>1  | 0 / 78 (0.00%)<br>0 | 0 / 77 (0.00%)<br>0 |
| Headache   |  |                     |                     |

|  |  |                     |                     |
|--|--|---------------------|---------------------|
| alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all) | 1 / 75 (1.33%)<br>1                        | 1 / 78 (1.28%)<br>1 | 0 / 77 (0.00%)<br>0 |
| Migraine   | Additional description: Migraine headaches |                     |                     |
| alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all) | 1 / 75 (1.33%)<br>2                        | 0 / 78 (0.00%)<br>0 | 0 / 77 (0.00%)<br>0 |
| Hypoaesthesia  | Additional description: Numbness in neck   |                     |                     |
| alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all) | 0 / 75 (0.00%)<br>0                        | 1 / 78 (1.28%)<br>1 | 0 / 77 (0.00%)<br>0 |
| Syncope  |  |                     |                     |
| alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all) | 1 / 75 (1.33%)<br>1                        | 0 / 78 (0.00%)<br>0 | 0 / 77 (0.00%)<br>0 |
| Blood and lymphatic system disorders   |  |                     |                     |
| Anaemia  |  |                     |                     |
| alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all) | 0 / 75 (0.00%)<br>0                        | 2 / 78 (2.56%)<br>2 | 0 / 77 (0.00%)<br>0 |
| Neutropenia  |  |                     |                     |
| alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all) | 0 / 75 (0.00%)<br>0                        | 1 / 78 (1.28%)<br>1 | 0 / 77 (0.00%)<br>0 |
| Ear and labyrinth disorders  |  |                     |                     |
| Tympanic membrane perforation  | Additional description: Perforated eardrum |                     |                     |
| alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all) | 0 / 75 (0.00%)<br>0                        | 0 / 78 (0.00%)<br>0 | 1 / 77 (1.30%)<br>1 |
| Vertigo  |  |                     |                     |
| alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all) | 0 / 75 (0.00%)<br>0                        | 1 / 78 (1.28%)<br>2 | 0 / 77 (0.00%)<br>0 |
| Eye disorders  |  |                     |                     |

|  |   |                     |                     |
|--|---|---------------------|---------------------|
| Eye pruritus<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)   | Additional description: Itchy eyes  |                     |                     |
|  | 0 / 75 (0.00%)<br>0   | 0 / 78 (0.00%)<br>0 | 1 / 77 (1.30%)<br>1 |
| Gastrointestinal disorders<br>Abdominal pain<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)<br>Constipation<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)<br>Diarrhoea<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)<br>Diverticulum<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)<br>Dysphagia<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all) | 2 / 75 (2.67%)<br>2   | 1 / 78 (1.28%)<br>2 | 1 / 77 (1.30%)<br>1 |
|  | 0 / 75 (0.00%)<br>0   | 0 / 78 (0.00%)<br>0 | 1 / 77 (1.30%)<br>1 |
|  | 0 / 75 (0.00%)<br>0   | 1 / 78 (1.28%)<br>1 | 1 / 77 (1.30%)<br>1 |
|  | 0 / 75 (0.00%)<br>0   | 1 / 78 (1.28%)<br>1 | 0 / 77 (0.00%)<br>0 |
|  | 0 / 75 (0.00%)<br>0   | 0 / 78 (0.00%)<br>0 | 1 / 77 (1.30%)<br>1 |
|  | Additional description: Gastric discomfort  |                     |                     |
|  | 0 / 75 (0.00%)<br>0   | 0 / 78 (0.00%)<br>0 | 1 / 77 (1.30%)<br>1 |
|  | Additional description: Group I: 1 subject affected by Gastroesophageal reflux (1 occurrence)<br>Group III: 1 subject affected by Worsening of Gastro-oesophageal reflux/GOR (1 occurrence) |                     |                     |
|  | 1 / 75 (1.33%)<br>1   | 0 / 78 (0.00%)<br>0 | 1 / 77 (1.30%)<br>1 |
|  |   |                     |                     |
|  |   |                     |                     |
|  |   |                     |                     |

|  |  |                     |                     |
|--|--|---------------------|---------------------|
| Enterocolitis<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)                            | 0 / 75 (0.00%)<br>0                          | 1 / 78 (1.28%)<br>1 | 0 / 77 (0.00%)<br>0 |
| Haemorrhoids<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)                             | Additional description: Internal hemorrhoids |                     |                     |
|  | 0 / 75 (0.00%)<br>0                          | 1 / 78 (1.28%)<br>1 | 0 / 77 (0.00%)<br>0 |
| Gastrointestinal pain<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)                    | Additional description: Intestinal spasm     |                     |                     |
|  | 0 / 75 (0.00%)<br>0                          | 1 / 78 (1.28%)<br>1 | 0 / 77 (0.00%)<br>0 |
| Paraesthesia oral<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)                        | Additional description: Oral paresthesia     |                     |                     |
|  | 0 / 75 (0.00%)<br>0                          | 0 / 78 (0.00%)<br>0 | 1 / 77 (1.30%)<br>1 |
| Oral pain<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)                                | 0 / 75 (0.00%)<br>0                          | 0 / 78 (0.00%)<br>0 | 1 / 77 (1.30%)<br>1 |
| Toothache<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)                                | 0 / 75 (0.00%)<br>0                          | 1 / 78 (1.28%)<br>1 | 0 / 77 (0.00%)<br>0 |
| Vomiting<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)                                 | 0 / 75 (0.00%)<br>0                          | 0 / 78 (0.00%)<br>0 | 2 / 77 (2.60%)<br>3 |
| Hepatobiliary disorders<br>Biliary colic<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all) | 1 / 75 (1.33%)<br>2                          | 0 / 78 (0.00%)<br>0 | 0 / 77 (0.00%)<br>0 |
| Skin and subcutaneous tissue disorders   |  |                     |                     |

|  |  |                |                |
|--|--|----------------|----------------|
| Blister                                    | Additional description: Group III:<br>- 1 subject affected by blister on ears<br>- 1 subject affected by blister on shoulders  |                |                |
| alternative assessment type:<br>Systematic |  |                |                |
| subjects affected / exposed                | 0 / 75 (0.00%)   | 0 / 78 (0.00%) | 2 / 77 (2.60%) |
| occurrences (all)                          | 0  | 0              | 2              |
| Acne                                       | Additional description: Chin spots   |                |                |
| alternative assessment type:<br>Systematic |  |                |                |
| subjects affected / exposed                | 1 / 75 (1.33%)   | 0 / 78 (0.00%) | 0 / 77 (0.00%) |
| occurrences (all)                          | 1  | 0              | 0              |
| Pruritus                                   | Additional description: Itchy mouth and Generalized itching.<br>Group I: 0 subjects affected<br>Group II: 2 subjects affected by itchy mouth (2 occurrences)<br>Group III: 2 subjects affected by itchy mouth (4 occurrences) and 1 by generalized itching (1 occurrence). |                |                |
| alternative assessment type:<br>Systematic |  |                |                |
| subjects affected / exposed                | 0 / 75 (0.00%)   | 2 / 78 (2.56%) | 3 / 77 (3.90%) |
| occurrences (all)                          | 0  | 2              | 5              |
| Lichen sclerosus                           |  |                |                |
| alternative assessment type:<br>Systematic |  |                |                |
| subjects affected / exposed                | 0 / 75 (0.00%)   | 1 / 78 (1.28%) | 0 / 77 (0.00%) |
| occurrences (all)                          | 0  | 1              | 0              |
| Skin reaction                              |  |                |                |
| alternative assessment type:<br>Systematic |  |                |                |
| subjects affected / exposed                | 0 / 75 (0.00%)   | 0 / 78 (0.00%) | 1 / 77 (1.30%) |
| occurrences (all)                          | 0  | 0              | 1              |
| Urticaria                                  |  |                |                |
| alternative assessment type:<br>Systematic |  |                |                |
| subjects affected / exposed                | 0 / 75 (0.00%)   | 1 / 78 (1.28%) | 0 / 77 (0.00%) |
| occurrences (all)                          | 0  | 1              | 0              |
| Renal and urinary disorders                |  |                |                |
| Hypertonic bladder                         | Additional description: Overactive bladder   |                |                |
| alternative assessment type:<br>Systematic |  |                |                |
| subjects affected / exposed                | 0 / 75 (0.00%)   | 0 / 78 (0.00%) | 1 / 77 (1.30%) |
| occurrences (all)                          | 0  | 0              | 1              |
| Renal colic                                |  |                |                |
| alternative assessment type:<br>Systematic |  |                |                |
| subjects affected / exposed                | 0 / 75 (0.00%)   | 1 / 78 (1.28%) | 0 / 77 (0.00%) |
| occurrences (all)                          | 0  | 3              | 0              |

|  |   |                     |                     |
|--|---|---------------------|---------------------|
| Trigonitis<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)                     | 1 / 75 (1.33%)<br>1                         | 0 / 78 (0.00%)<br>0 | 0 / 77 (0.00%)<br>0 |
| Endocrine disorders  |   |                     |                     |
| Adrenal mass<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)                   | Additional description: Left kidney nodule  |                     |                     |
|  | 0 / 75 (0.00%)<br>0                         | 0 / 78 (0.00%)<br>0 | 1 / 77 (1.30%)<br>1 |
| Thyroid disorder<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)               | Additional description: Thyroid             |                     |                     |
|  | 0 / 75 (0.00%)<br>0                         | 1 / 78 (1.28%)<br>1 | 0 / 77 (0.00%)<br>0 |
| Musculoskeletal and connective tissue disorders  |   |                     |                     |
| Back pain<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)                      | 1 / 75 (1.33%)<br>1                         | 0 / 78 (0.00%)<br>0 | 1 / 77 (1.30%)<br>1 |
| Intervertebral disc protrusion<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all) | Additional description: Cervical hernia     |                     |                     |
|  | 0 / 75 (0.00%)<br>0                         | 0 / 78 (0.00%)<br>0 | 1 / 77 (1.30%)<br>1 |
| Flank pain<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)                     | Additional description: Flank pain          |                     |                     |
|  | 0 / 75 (0.00%)<br>0                         | 1 / 78 (1.28%)<br>1 | 0 / 77 (0.00%)<br>0 |
| Arthralgia<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)                     | Additional description: Gonalgia            |                     |                     |
|  | 1 / 75 (1.33%)<br>1                         | 0 / 78 (0.00%)<br>0 | 0 / 77 (0.00%)<br>0 |
| Osteoporosis<br>alternative assessment type:<br>Systematic<br>subjects affected / exposed<br>occurrences (all)                   | 1 / 75 (1.33%)<br>1                         | 0 / 78 (0.00%)<br>0 | 0 / 77 (0.00%)<br>0 |
| Pain in extremity  | Additional description: Pain in lower limbs |                     |                     |

|  |   |                |                |
|--|---|----------------|----------------|
| alternative assessment type:<br>Systematic |   |                |                |
| subjects affected / exposed                | 0 / 75 (0.00%)                                      | 1 / 78 (1.28%) | 0 / 77 (0.00%) |
| occurrences (all)                          | 0   | 1              | 0              |
| Mobility decreased                         | Additional description: Reduced mobility            |                |                |
| alternative assessment type:<br>Systematic |   |                |                |
| subjects affected / exposed                | 0 / 75 (0.00%)                                      | 1 / 78 (1.28%) | 0 / 77 (0.00%) |
| occurrences (all)                          | 0   | 1              | 0              |
| Musculoskeletal pain                       | Additional description: Right shoulder pain         |                |                |
| alternative assessment type:<br>Systematic |   |                |                |
| subjects affected / exposed                | 0 / 75 (0.00%)                                      | 1 / 78 (1.28%) | 0 / 77 (0.00%) |
| occurrences (all)                          | 0   | 2              | 0              |
| Infections and infestations                |   |                |                |
| Candida infection                          | Additional description: Candidiasis                 |                |                |
| subjects affected / exposed                | 1 / 75 (1.33%)                                      | 3 / 78 (3.85%) | 4 / 77 (5.19%) |
| occurrences (all)                          | 1   | 4              | 7              |
| Vaginal infection                          | Additional description: Vaginitis                   |                |                |
| subjects affected / exposed                | 2 / 75 (2.67%)                                      | 4 / 78 (5.13%) | 3 / 77 (3.90%) |
| occurrences (all)                          | 2   | 5              | 4              |
| Lower respiratory tract infection          | Additional description: Chest infection             |                |                |
| subjects affected / exposed                | 3 / 75 (4.00%)                                      | 3 / 78 (3.85%) | 2 / 77 (2.60%) |
| occurrences (all)                          | 3   | 7              | 3              |
| Appendicitis                               | Additional description: Acute appendicitis          |                |                |
| alternative assessment type:<br>Systematic |   |                |                |
| subjects affected / exposed                | 1 / 75 (1.33%)                                      | 0 / 78 (0.00%) | 0 / 77 (0.00%) |
| occurrences (all)                          | 1   | 0              | 0              |
| Nasopharyngitis                            |   |                |                |
| alternative assessment type:<br>Systematic |   |                |                |
| subjects affected / exposed                | 0 / 75 (0.00%)                                      | 1 / 78 (1.28%) | 1 / 77 (1.30%) |
| occurrences (all)                          | 0   | 1              | 2              |
| Tooth abscess                              |   |                |                |
| alternative assessment type:<br>Systematic |   |                |                |
| subjects affected / exposed                | 0 / 75 (0.00%)                                      | 1 / 78 (1.28%) | 0 / 77 (0.00%) |
| occurrences (all)                          | 0   | 1              | 0              |
| Tooth infection                            | Additional description: Dental root canal infection |                |                |
| alternative assessment type:<br>Systematic |   |                |                |

|  |   |                |                |
|--|---|----------------|----------------|
| subjects affected / exposed                | 0 / 75 (0.00%)  | 1 / 78 (1.28%) | 0 / 77 (0.00%) |
| occurrences (all)                          | 0   | 1              | 0              |
| Gastroenteritis                            |   |                |                |
| alternative assessment type:<br>Systematic |   |                |                |
| subjects affected / exposed                | 0 / 75 (0.00%)  | 0 / 78 (0.00%) | 1 / 77 (1.30%) |
| occurrences (all)                          | 0   | 0              | 1              |
| Gingivitis                                 |   |                |                |
| alternative assessment type:<br>Systematic |   |                |                |
| subjects affected / exposed                | 1 / 75 (1.33%)  | 1 / 78 (1.28%) | 0 / 77 (0.00%) |
| occurrences (all)                          | 1   | 1              | 0              |
| Papilloma viral infection                  |   |                |                |
| alternative assessment type:<br>Systematic |   |                |                |
| subjects affected / exposed                | 0 / 75 (0.00%)  | 1 / 78 (1.28%) | 0 / 77 (0.00%) |
| occurrences (all)                          | 0   | 1              | 0              |
| Postoperative wound infection              | Additional description: Infection surgery points  |                |                |
| alternative assessment type:<br>Systematic |   |                |                |
| subjects affected / exposed                | 0 / 75 (0.00%)  | 0 / 78 (0.00%) | 1 / 77 (1.30%) |
| occurrences (all)                          | 0   | 0              | 1              |
| Oral infection                             |   |                |                |
| alternative assessment type:<br>Systematic |   |                |                |
| subjects affected / exposed                | 2 / 75 (2.67%)  | 1 / 78 (1.28%) | 1 / 77 (1.30%) |
| occurrences (all)                          | 3   | 1              | 1              |
| Ear infection                              | Additional description: Otitis  |                |                |
| alternative assessment type:<br>Systematic |   |                |                |
| subjects affected / exposed                | 1 / 75 (1.33%)  | 0 / 78 (0.00%) | 1 / 77 (1.30%) |
| occurrences (all)                          | 1   | 0              | 1              |
| Pharyngitis                                | Additional description: Group I: 1 subject affected by throat infection (1 occurrence)<br>The rest of subjects were affected by pharyngitis |                |                |
| alternative assessment type:<br>Systematic |   |                |                |
| subjects affected / exposed                | 2 / 75 (2.67%)  | 3 / 78 (3.85%) | 2 / 77 (2.60%) |
| occurrences (all)                          | 2   | 3              | 2              |
| Pneumonia                                  |   |                |                |
| alternative assessment type:<br>Systematic |   |                |                |

|  |  |                |                |
|--|--|----------------|----------------|
| subjects affected / exposed                | 0 / 75 (0.00%)                             | 0 / 78 (0.00%) | 1 / 77 (1.30%) |
| occurrences (all)                          | 0  | 0              | 1              |
| Pyelonephritis                             |  |                |                |
| alternative assessment type:<br>Systematic |  |                |                |
| subjects affected / exposed                | 3 / 75 (4.00%)                             | 1 / 78 (1.28%) | 1 / 77 (1.30%) |
| occurrences (all)                          | 3  | 3              | 1              |
| Sinusitis                                  |  |                |                |
| alternative assessment type:<br>Systematic |  |                |                |
| subjects affected / exposed                | 0 / 75 (0.00%)                             | 2 / 78 (2.56%) | 0 / 77 (0.00%) |
| occurrences (all)                          | 0  | 2              | 0              |
| Tonsillitis                                |  |                |                |
| alternative assessment type:<br>Systematic |  |                |                |
| subjects affected / exposed                | 0 / 75 (0.00%)                             | 0 / 78 (0.00%) | 1 / 77 (1.30%) |
| occurrences (all)                          | 0  | 0              | 1              |
| Urethritis                                 |  |                |                |
| alternative assessment type:<br>Systematic |  |                |                |
| subjects affected / exposed                | 1 / 75 (1.33%)                             | 0 / 78 (0.00%) | 0 / 77 (0.00%) |
| occurrences (all)                          | 1  | 0              | 0              |
| Viral rash                                 | Additional description: Viral exanthem     |                |                |
| alternative assessment type:<br>Systematic |  |                |                |
| subjects affected / exposed                | 1 / 75 (1.33%)                             | 0 / 78 (0.00%) | 0 / 77 (0.00%) |
| occurrences (all)                          | 1  | 0              | 0              |
| Pharyngeal abscess                         |  |                |                |
| subjects affected / exposed                | 0 / 75 (0.00%)                             | 1 / 78 (1.28%) | 0 / 77 (0.00%) |
| occurrences (all)                          | 0  | 1              | 0              |
| Metabolism and nutrition disorders         |  |                |                |
| Groin pain                                 | Additional description: Suprainguinal pain |                |                |
| alternative assessment type:<br>Systematic |  |                |                |
| subjects affected / exposed                | 0 / 75 (0.00%)                             | 1 / 78 (1.28%) | 0 / 77 (0.00%) |
| occurrences (all)                          | 0  | 1              | 0              |

## More information

### Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date             | Amendment  |
|------------------|--|
| 01 January 2014  | Three centres were included to complete subject recruitment established in the protocol. The centres would refer subjects to the University Hospital of Salamanca.   |
| 01 October 2014  | Modification of the study design based on consultation to the Spanish Agency of Medicines and Medical Devices:<br>-Inclusion of a Stage II (12 additional months of follow-up) and associated modifications<br>-Addition of inclusion and exclusion criteria   |
| 01 December 2015 | Incorporating changes resulting from including Royal Berkshire Hospital, Reading UK in the study.  |
| 01 March 2016    | Incorporating changes resulting from the application to MHRA.  |
| 01 August 2018   | Cancellation of Stage II (12 additional months of follow-up) due to loss of follow-up and high dropout rate  |
| 02 December 2019 | -Inclusion of Bioclever S.L. for support in the statistical content of the study.<br>-Protocol modification and rewording in the following sections, based on their review: <ul style="list-style-type: none"><li>• Objectives</li><li>• Efficacy outcomes and evaluation</li><li>• Statistics</li></ul> |

Notes:

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### Interruptions (globally)

Were there any global interruptions to the trial? No

### Limitations and caveats

None reported