



## Clinical trial results:

### A Clinical Study to Assess the Efficacy and Onset of Pain Relief of Topical MFC51123 Diclofenac-Menthol Gel versus Controls in Ankle Sprain

#### Summary

|                          |                |
|--------------------------|----------------|
| EudraCT number           | 2013-000992-33 |
| Trial protocol           | DE             |
| Global end of trial date | 22 March 2015  |

#### Results information

|                                |              |
|--------------------------------|--------------|
| Result version number          | v1 (current) |
| This version publication date  | 14 July 2016 |
| First version publication date | 14 July 2016 |

#### Trial information

##### Trial identification

|                       |         |
|-----------------------|---------|
| Sponsor protocol code | RH01805 |
|-----------------------|---------|

##### Additional study identifiers

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

Notes:

#### Sponsors

|                              |   |
|------------------------------|---|
| Sponsor organisation name    | GlaxoSmithKline   |
| Sponsor organisation address | 1500 Littleton Road, Parsippany, United States, NJ 07054  |
| Public contact               | GSK CH Clinical Trials, GlaxoSmithKline Consumer Healthcare, +44 1932826987, rd.gskch-clinical-trials@gsk.com |
| Scientific contact           | GSK CH Clinical Trials, GlaxoSmithKline Consumer Healthcare, +44 1932826987, rd.gskch-clinical-trials@gsk.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                       | 12 April 2015 |
| Is this the analysis of the primary completion data? | No            |
| Global end of trial reached?                         | Yes           |
| Global end of trial date                             | 22 March 2015 |
| Was the trial ended prematurely?                     | No            |

Notes:

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**General information about the trial**

Main objective of the trial:

To assess efficacy of MFC51123 gel over placebo as measured by Area Under the Curve of Pain Intensity on Movement (walking 5 steps on flat surface) for the period from 24 to 72 hours of treatment (AUC1-3days).

Protection of trial subjects:

The study was conducted according to the ethical principles of the Declaration of Helsinki.  
The study drug was to be discontinued if continuing would result in a significant safety risk for the subject as per the protocol.

Background therapy: -

Evidence for comparator: -

|   |                   |
|---|-------------------|
| Actual start date of recruitment                          | 30 September 2013 |
| Long term follow-up planned                               | No                |
| Independent data monitoring committee (IDMC) involvement? | No                |

Notes:

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**Population of trial subjects****Subjects enrolled per country**

|                                      |              |
|--------------------------------------|--------------|
| Country: Number of subjects enrolled | Germany: 385 |
| Worldwide total number of subjects   | 385          |
| EEA total number of subjects         | 385          |

Notes:

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**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)                 | 13  |
| Adults (18-64 years)                      | 372 |
| From 65 to 84 years                       | 0   |
| 85 years and over                         | 0   |

## Subject disposition

### Recruitment

Recruitment details:

Subjects were recruited at 16 centers in the Germany.

### Pre-assignment

Screening details:

The study population consisted of a representative group of male and female subjects aged minimum of 16 years and maximum of 63 years suffering from ankle sprain. Of the 388 subjects screened, 385 were randomized in the study.

### Period 1

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

### Arms

|                              |                            |
|------------------------------|----------------------------|
| Are arms mutually exclusive? | Yes                        |
| <b>Arm title</b>             | Diclofenac plus(+) Menthol |

Arm description:

1% Diclofenac sodium and 3% menthol gel was supplied in 30 gram (g) tubes for each subject to apply 4g of gel topically to the injured ankle region four times daily for up to 10 days.

|  |                                      |
|--|--------------------------------------|
| Arm type                               | Experimental                         |
| Investigational medicinal product name | 1% diclofenac sodium+ 3% menthol gel |
| Investigational medicinal product code |                                      |
| Other name                             |                                      |
| Pharmaceutical forms                   | Gel                                  |
| Routes of administration               | Topical use                          |

Dosage and administration details:

Subjects were instructed to apply approximately 4 grams of the assigned topical gel product 4 times daily to the injured ankle. The subject were instructed to fill the circle on a the Gel Strip, a 90mm x 50mm piece of glycine paper designed to gauge the amount of gel to apply for a single dose.

|                  |            |
|------------------|------------|
| <b>Arm title</b> | Diclofenac |
|------------------|------------|

Arm description:

1% Diclofenac sodium + 0.09% methanol gel was supplied in 30g tubes for each subject to apply 4g of gel topically to the injured ankle region four times daily for up to 10 days.

|  |                      |
|--|----------------------|
| Arm type                               | Experimental         |
| Investigational medicinal product name | 1% diclofenac sodium |
| Investigational medicinal product code |                      |
| Other name                             |                      |
| Pharmaceutical forms                   | Gel                  |
| Routes of administration               | Topical use          |

Dosage and administration details:

Subjects were instructed to apply approximately 4 grams of the assigned topical gel product 4 times daily to the injured ankle. The subject were instructed to fill the circle on a the Gel Strip, a 90mm x 50mm piece of glycine paper designed to gauge the amount of gel to apply for a single dose.

|                  |         |
|------------------|---------|
| <b>Arm title</b> | Menthol |
|------------------|---------|

Arm description:

3% menthol gel was supplied in 30g tubes for each subject to apply 4g of gel topically to the injured ankle region four times daily for up to 10 days.

|          |                   |
|----------|-------------------|
| Arm type | Active comparator |
|----------|-------------------|

|  |                |
|--|----------------|
| Investigational medicinal product name | 3% menthol gel |
| Investigational medicinal product code |                |
| Other name                             |                |
| Pharmaceutical forms                   | Gel            |
| Routes of administration               | Topical use    |

**Dosage and administration details:**

Subjects were instructed to apply approximately 4 grams of the assigned topical gel product 4 times daily to the injured ankle. The subject were instructed to fill the circle on a the Gel Strip, a 90mm x 50mm piece of glycine paper designed to gauge the amount of gel to apply for a single dose.

|                  |         |
|------------------|---------|
| <b>Arm title</b> | Placebo |
|------------------|---------|

**Arm description:**

Placebo with 0.09% methanol gel was supplied in 30g tubes for each subject to apply 4g of gel topically to the injured ankle region four times daily for up to 10 days.

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

**Dosage and administration details:**

Subjects were instructed to apply approximately 4 grams of the assigned topical gel product 4 times daily to the injured ankle. The subject were instructed to fill the circle on a the Gel Strip, a 90mm x 50mm piece of glycine paper designed to gauge the amount of gel to apply for a single dose.

| <b>Number of subjects in period 1</b> | Diclofenac plus(+) Menthol | Diclofenac | Menthol |
|---------------------------------------|----------------------------|------------|---------|
| Started                               | 118                        | 113        | 78      |
| Completed                             | 105                        | 106        | 74      |
| Not completed                         | 13                         | 7          | 4       |
| Consent withdrawn by subject          | -                          | 1          | 1       |
| Protocol violation                    | -                          | 1          | -       |
| Other Reason                          | 2                          | 2          | -       |
| Adverse Events                        | 10                         | 3          | 3       |
| Lost to follow-up                     | 1                          | -          | -       |

| <b>Number of subjects in period 1</b> | Placebo |
|---------------------------------------|---------|
| Started                               | 76      |
| Completed                             | 75      |
| Not completed                         | 1       |
| Consent withdrawn by subject          | -       |
| Protocol violation                    | 1       |
| Other Reason                          | -       |
| Adverse Events                        | -       |
| Lost to follow-up                     | -       |



## Baseline characteristics

### Reporting groups

|   |                            |
|---|----------------------------|
| Reporting group title   | Diclofenac plus(+) Menthol |
| Reporting group description:<br>1% Diclofenac sodium and 3% menthol gel was supplied in 30 gram (g) tubes for each subject to apply 4g of gel topically to the injured ankle region four times daily for up to 10 days. |                            |
| Reporting group title   | Diclofenac                 |
| Reporting group description:<br>1% Diclofenac sodium + 0.09% methanol gel was supplied in 30g tubes for each subject to apply 4g of gel topically to the injured ankle region four times daily for up to 10 days.       |                            |
| Reporting group title   | Menthol                    |
| Reporting group description:<br>3% menthol gel was supplied in 30g tubes for each subject to apply 4g of gel topically to the injured ankle region four times daily for up to 10 days.                                  |                            |
| Reporting group title   | Placebo                    |
| Reporting group description:<br>Placebo with 0.09% methanol gel was supplied in 30g tubes for each subject to apply 4g of gel topically to the injured ankle region four times daily for up to 10 days.                 |                            |

| Reporting group values | Diclofenac plus(+) Menthol | Diclofenac | Menthol |
|------------------------|----------------------------|------------|---------|
| Number of subjects     | 118                        | 113        | 78      |
| Age categorical        |                            |            |         |
| Units: Subjects        |                            |            |         |

|                    |         |         |         |
|--------------------|---------|---------|---------|
| Age continuous     |         |         |         |
| Units: years       |         |         |         |
| arithmetic mean    | 32.3    | 32.2    | 33.7    |
| standard deviation | ± 11.82 | ± 11.43 | ± 12.09 |
| Gender categorical |         |         |         |
| Units: Subjects    |         |         |         |
| Female             | 50      | 41      | 39      |
| Male               | 68      | 72      | 39      |

| Reporting group values | Placebo | Total |  |
|------------------------|---------|-------|--|
| Number of subjects     | 76      | 385   |  |
| Age categorical        |         |       |  |
| Units: Subjects        |         |       |  |

|                    |         |     |  |
|--------------------|---------|-----|--|
| Age continuous     |         |     |  |
| Units: years       |         |     |  |
| arithmetic mean    | 33      |     |  |
| standard deviation | ± 11.61 | -   |  |
| Gender categorical |         |     |  |
| Units: Subjects    |         |     |  |
| Female             | 36      | 166 |  |
| Male               | 40      | 219 |  |

## End points

### End points reporting groups

|   |                            |
|---|----------------------------|
| Reporting group title   | Diclofenac plus(+) Menthol |
| Reporting group description:<br>1% Diclofenac sodium and 3% menthol gel was supplied in 30 gram (g) tubes for each subject to apply 4g of gel topically to the injured ankle region four times daily for up to 10 days. |                            |
| Reporting group title   | Diclofenac                 |
| Reporting group description:<br>1% Diclofenac sodium + 0.09% methanol gel was supplied in 30g tubes for each subject to apply 4g of gel topically to the injured ankle region four times daily for up to 10 days.       |                            |
| Reporting group title   | Menthol                    |
| Reporting group description:<br>3% menthol gel was supplied in 30g tubes for each subject to apply 4g of gel topically to the injured ankle region four times daily for up to 10 days.                                  |                            |
| Reporting group title   | Placebo                    |
| Reporting group description:<br>Placebo with 0.09% methanol gel was supplied in 30g tubes for each subject to apply 4g of gel topically to the injured ankle region four times daily for up to 10 days.                 |                            |

### Primary: Area Under the Curve from Day 1 to Day 3 (AUC1-3 days) of Pain Intensity (PI) on Movement for Diclofenac/Methanol gel and Placebo gel

|   |  |
|---|--|
| End point title   | Area Under the Curve from Day 1 to Day 3 (AUC1-3 days) of Pain Intensity (PI) on Movement for Diclofenac/Methanol gel and Placebo gel <sup>[1]</sup> |
| End point description:<br>AUC of pain intensity (PI) on movement was measured by numerical rating scale (NRS) during the 48 hour time interval from Day 1 to 3. AUC1-3 day was calculated based on trapezoidal method. PI was measured in NRS scale from 0 (no pain) to 10 (extreme pain). Subjects assessed the severity of ankle pain using NRS scale at baseline (prior to treatment) and at 10, 30 minutes and 1, 4, 6, 12, 18 and 24 hours after the first dose of treatment and twice daily after dosing. |  |
| End point type  | Primary  |
| End point timeframe:<br>Upto 72 hours   |  |
| Notes:<br>[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: This endpoint required the descriptive and statistical data for Diclofenac/Methanol gel and Placebo gel only, not for all the treatments group involved in this study.   |  |

| End point values                     | Diclofenac plus(+) | Placebo            |  |  |
|--------------------------------------|--------------------|--------------------|--|--|
| Subject group type                   | Reporting group    | Reporting group    |  |  |
| Number of subjects analysed          | 117                | 75                 |  |  |
| Units: Score on scale                |                    |                    |  |  |
| arithmetic mean (standard deviation) | 276.97 (± 111.356) | 282.88 (± 100.958) |  |  |

## Statistical analyses

|   |  |
|---|--|
| <b>Statistical analysis title</b>       | 1% Diclofenac sodium (sod.) +3% Menthol vs Placebo |
| Comparison groups                       | Diclofenac plus(+) Menthol v Placebo               |
| Number of subjects included in analysis | 192  |
| Analysis specification                  | Pre-specified                                      |
| Analysis type                           | other  |
| P-value                                 | = 0.4144   |
| Method                                  | ANCOVA   |
| Parameter estimate                      | Least square (LS) mean difference                  |
| Point estimate                          | -9.23  |
| Confidence interval                     |  |
| level                                   | 95 %   |
| sides                                   | 2-sided  |
| lower limit                             | -31.45   |
| upper limit                             | 12.98  |

## Secondary: Pain Intensity Difference (PID) on Movement

|   |   |
|---|---|
| End point title   | Pain Intensity Difference (PID) on Movement |
| End point description:  |   |
| <p>PID on movement (after walking 5 steps on a flat surface), calculated as PI at a given time 't' subtracted by the PI at baseline, measured on movement using NRS scale. Participants assessed the severity of ankle pain using the NRS scale at baseline (prior to treatment) and at 10, 30 minutes (min.) and 1, 4, 6, 12, 18 and 24 hours after the first dose of treatment and twice daily after dosing. ITT population included all participants who fulfilled all the study entry criteria, received the study treatment and had at least one post-baseline efficacy assessment. This analysis was conducted on ITT population.</p> |   |
| End point type  | Secondary                                   |
| End point timeframe:  |   |
| Baseline to 10 days   |   |

| End point values                     | Diclofenac plus(+) | Diclofenac      | Menthol         | Placebo         |
|--------------------------------------|--------------------|-----------------|-----------------|-----------------|
| Subject group type                   | Reporting group    | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed          | 117                | 112             | 77              | 75              |
| Units: Score on scale                |                    |                 |                 |                 |
| arithmetic mean (standard deviation) |                    |                 |                 |                 |
| At Baseline (117, 112, 77, 75)       | 7.8 (± 1.55)       | 7.4 (± 1.44)    | 7.8 (± 1.6)     | 7.7 (± 1.47)    |
| At 10 min. (117, 112, 77, 75)        | 7.54 (± 1.808)     | 7.23 (± 1.571)  | 7.47 (± 1.854)  | 7.37 (± 1.6)    |
| At 30 min. (117, 112, 77, 75)        | 7.33 (± 1.974)     | 7.06 (± 1.689)  | 7.26 (± 1.852)  | 7.15 (± 1.706)  |
| At 1 hour (117, 112, 77, 75)         | 7.21 (± 2.05)      | 6.92 (± 1.761)  | 7.12 (± 2.039)  | 7.05 (± 1.8)    |
| At 4 hour (117, 112, 77, 75)         | 7.06 (± 2.147)     | 6.94 (± 1.802)  | 6.96 (± 2.112)  | 7 (± 1.748)     |
| At 6 hour (117, 112, 77, 75)         | 6.98 (± 2.141)     | 6.75 (± 1.758)  | 6.84 (± 2.213)  | 6.83 (± 1.855)  |
| At 12 hour (117, 112, 77, 75)        | 6.93 (± 2.148)     | 6.43 (± 1.93)   | 6.58 (± 2.347)  | 6.75 (± 2.08)   |
| At 18 hour (117, 112, 77, 75)        | 6.58 (± 2.163)     | 6.1 (± 2.022)   | 6.31 (± 2.429)  | 6.53 (± 2.107)  |
| At 24 hour (117, 112, 77, 75)        | 6.15 (± 2.273)     | 5.84 (± 2.078)  | 6 (± 2.487)     | 6.16 (± 2.137)  |
| At 36 hour (117, 112, 77, 75)        | 6.18 (± 2.427)     | 5.77 (± 2.058)  | 6.21 (± 2.478)  | 6.37 (± 2.065)  |
| At 48 hour (117, 112, 77, 75)        | 5.85 (± 2.447)     | 5.41 (± 2.099)  | 5.71 (± 2.665)  | 5.77 (± 2.436)  |
| At 60 hour (117, 112, 77, 75)        | 5.36 (± 2.398)     | 5.16 (± 2.192)  | 5.19 (± 2.616)  | 5.64 (± 2.21)   |
| At 72 hour (117, 112, 77, 75)        | 5.22 (± 2.492)     | 5 (± 2.144)     | 5.21 (± 2.657)  | 5.41 (± 2.218)  |
| At 84 hour (113, 107, 75, 75)        | 4.92 (± 2.342)     | 4.77 (± 2.108)  | 4.65 (± 2.549)  | 5.01 (± 2.293)  |



|                                |                |                |                |                |
|--------------------------------|----------------|----------------|----------------|----------------|
| At 96 hour (112, 107, 75, 74)  | 4.64 (± 2.189) | 4.67 (± 2.162) | 4.71 (± 2.572) | 4.88 (± 2.196) |
| At 108 hour (112, 107, 75, 74) | 4.38 (± 2.306) | 4.44 (± 2.093) | 4.25 (± 2.526) | 4.49 (± 2.115) |
| At 120 hour (111, 107, 74, 74) | 4.35 (± 2.131) | 4.28 (± 2.145) | 4.36 (± 2.594) | 4.53 (± 1.995) |
| At 132 hour (110, 107, 74, 74) | 4.03 (± 2.178) | 3.92 (± 2.001) | 4 (± 2.449)    | 4.19 (± 2.194) |
| At 144 hour (110, 107, 74, 74) | 3.96 (± 2.209) | 3.67 (± 2.05)  | 4.04 (± 2.551) | 4.07 (± 2.179) |
| At 156 hour (109, 107, 74, 74) | 3.54 (± 2.154) | 3.4 (± 2.041)  | 3.77 (± 2.497) | 3.78 (± 2.198) |
| At 168 hour (105, 104, 73, 74) | 3.5 (± 2.034)  | 3.33 (± 1.923) | 3.81 (± 2.548) | 3.72 (± 2.123) |
| At 180 hour (105, 104, 73, 72) | 3.18 (± 2.129) | 2.98 (± 1.961) | 3.34 (± 2.341) | 3.6 (± 2.046)  |
| At 192 hour (101, 102, 71, 72) | 3.18 (± 1.962) | 2.85 (± 1.9)   | 3.56 (± 2.506) | 3.46 (± 2.055) |
| At 204 hour (101, 100, 71, 72) | 2.56 (± 1.824) | 2.51 (± 1.91)  | 2.9 (± 2.331)  | 3.13 (± 2.096) |
| At 216 hour (95, 100, 69, 72)  | 2.48 (± 1.85)  | 2.27 (± 1.89)  | 2.9 (± 2.177)  | 2.9 (± 1.944)  |
| At 228 hour (95, 100, 69, 72)  | 2.06 (± 1.844) | 1.86 (± 1.831) | 2.49 (± 2.266) | 2.67 (± 1.891) |
| At 240 hour (32, 43, 22, 42)   | 2.13 (± 2.136) | 2 (± 2.204)    | 1.95 (± 2.058) | 2.12 (± 1.626) |

## Statistical analyses

No statistical analyses for this end point

### Secondary: Pain Intensity Difference (PID) at Rest

|   |   |
|---|---|
| End point title   | Pain Intensity Difference (PID) at Rest |
| End point description:  |   |
| PID at rest was calculated as PI at a given time 't' at rest subtracted by the PI at baseline measured using NRS scale at baseline (prior to treatment) and at 10, 30 min. and 1, 4, 6, 12, 18 and 24 hours after the first dose of treatment and twice daily after dosing. |   |
| End point type  | Secondary                               |
| End point timeframe:  |   |
| Baseline to 10 days   |   |

| End point values                     | Diclofenac plus(+) | Diclofenac      | Menthol         | Placebo         |
|--------------------------------------|--------------------|-----------------|-----------------|-----------------|
| Subject group type                   | Reporting group    | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed          | 117                | 112             | 77              | 75              |
| Units: Score on scale                |                    |                 |                 |                 |
| arithmetic mean (standard deviation) |                    |                 |                 |                 |
| At Baseline (117, 112, 77, 75)       | 7.8 (± 1.55)       | 7.4 (± 1.44)    | 7.8 (± 1.6)     | 7.7 (± 1.47)    |
| At 10 min. (117, 112, 77, 75)        | 0.34 (± 1.146)     | 0.43 (± 1.145)  | 0.17 (± 0.715)  | 0.25 (± 1.175)  |
| At 30 min. (117, 112, 77, 75)        | 0.56 (± 1.185)     | 0.45 (± 1.314)  | 0.32 (± 0.818)  | 0.44 (± 1.328)  |
| At 1 hour (117, 112, 77, 75)         | 0.64 (± 1.283)     | 0.62 (± 1.187)  | 0.48 (± 0.94)   | 0.41 (± 1.62)   |
| At 4 hour (117, 112, 77, 75)         | 0.62 (± 1.413)     | 0.53 (± 1.115)  | 0.66 (± 1.071)  | 0.43 (± 1.678)  |
| At 6 hour (117, 112, 77, 75)         | 0.68 (± 1.473)     | 0.62 (± 1.18)   | 0.75 (± 1.183)  | 0.53 (± 1.554)  |
| At 12 hour (117, 112, 77, 75)        | 0.76 (± 1.501)     | 0.86 (± 1.432)  | 0.9 (± 1.429)   | 0.68 (± 1.535)  |
| At 18 hour (117, 112, 77, 75)        | 1.03 (± 1.597)     | 1.14 (± 1.482)  | 1.1 (± 1.594)   | 0.85 (± 1.666)  |
| At 24 hour (117, 112, 77, 75)        | 1.32 (± 1.579)     | 1.39 (± 1.448)  | 1.47 (± 1.535)  | 1.13 (± 1.711)  |
| At 36 hour (117, 112, 77, 75)        | 1.2 (± 1.549)      | 1.32 (± 1.49)   | 1.22 (± 1.635)  | 1.09 (± 1.787)  |
| At 48 hour (117, 112, 77, 75)        | 1.43 (± 1.604)     | 1.53 (± 1.464)  | 1.51 (± 1.698)  | 1.45 (± 1.84)   |
| At 60 hour (117, 112, 77, 75)        | 1.91 (± 1.603)     | 1.83 (± 1.593)  | 1.88 (± 1.747)  | 1.64 (± 1.893)  |
| At 72 hour (117, 112, 77, 75)        | 1.91 (± 1.776)     | 1.91 (± 1.545)  | 1.86 (± 1.782)  | 1.76 (± 1.972)  |

|                                |                |                |                |                |
|--------------------------------|----------------|----------------|----------------|----------------|
| At 84 hour (113, 107, 75, 75)  | 2.11 (± 1.754) | 2.19 (± 1.655) | 2.19 (± 1.799) | 2.03 (± 1.931) |
| At 96 hour (112, 107, 75, 74)  | 2.26 (± 1.79)  | 2.17 (± 1.707) | 2.23 (± 1.721) | 2 (± 1.72)     |
| At 108 hour (112, 107, 75, 74) | 2.46 (± 1.795) | 2.43 (± 1.833) | 2.48 (± 1.743) | 2.27 (± 1.889) |
| At 120 hour (111, 107, 74, 74) | 2.59 (± 1.836) | 2.48 (± 1.75)  | 2.3 (± 1.856)  | 2.09 (± 1.917) |
| At 132 hour (110, 107, 74, 74) | 2.76 (± 1.877) | 2.78 (± 1.819) | 2.68 (± 1.873) | 2.49 (± 1.967) |
| At 144 hour (110, 107, 74, 74) | 2.77 (± 1.989) | 2.77 (± 1.789) | 2.59 (± 1.965) | 2.49 (± 1.918) |
| At 156 hour (109, 107, 74, 74) | 3.06 (± 2.011) | 3.11 (± 1.755) | 2.77 (± 1.884) | 2.65 (± 2.129) |
| At 168 hour (105, 104, 73, 74) | 3.08 (± 2.037) | 3.15 (± 1.805) | 2.75 (± 1.869) | 2.64 (± 2.004) |
| At 180 hour (105, 104, 73, 72) | 3.37 (± 2.1)   | 3.38 (± 1.871) | 2.95 (± 1.747) | 2.88 (± 2.103) |
| At 192 hour (101, 102, 71, 72) | 3.38 (± 2.24)  | 3.3 (± 2.067)  | 2.9 (± 1.928)  | 3 (± 2.035)    |
| At 204 hour (101, 100, 71, 72) | 3.67 (± 2.25)  | 3.61 (± 2.03)  | 3.37 (± 1.853) | 3.21 (± 2.021) |
| At 216 hour (95, 100, 69, 72)  | 3.77 (± 2.372) | 3.87 (± 2.028) | 3.22 (± 2.306) | 3.26 (± 1.936) |
| At 228 hour (95, 100, 69, 72)  | 4.09 (± 2.348) | 4.02 (± 2.074) | 3.64 (± 2)     | 3.53 (± 2.083) |
| At 240 hour (32, 43, 22, 42)   | 3.94 (± 2.862) | 4.23 (± 2.01)  | 3.36 (± 2.61)  | 3.67 (± 2.149) |

## Statistical analyses

No statistical analyses for this end point

### Secondary: Pain Relief Score (PRS)

|  |                         |
|--|-------------------------|
| End point title  | Pain Relief Score (PRS) |
| End point description:   |                         |
| PRS was measured at each time point using a 5-point Pain Relief Scale ranging from 0-4 while at rest (where: 0- No pain relief; 1- a little or perceptible pain relief; 2- meaningful pain relief; 3- a lot of relief; 4- complete relief). Subjects assessed the degree of ankle pain relief using the PRS scores at 10, 30 min. and 1, 4, 6, 12, 18 and 24 hours after the first dose of treatment and twice daily after the first day of treatment. |                         |
| End point type   | Secondary               |
| End point timeframe:   |                         |
| Day 1 to Day 7   |                         |

| End point values                     | Diclofenac plus(+) | Diclofenac      | Menthol         | Placebo         |
|--------------------------------------|--------------------|-----------------|-----------------|-----------------|
| Subject group type                   | Reporting group    | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed          | 117                | 112             | 77              | 75              |
| Units: Score on scale                |                    |                 |                 |                 |
| arithmetic mean (standard deviation) |                    |                 |                 |                 |
| At 10 min. (117, 111, 77, 74)        | 0.33 (± 0.616)     | 0.29 (± 0.609)  | 0.32 (± 0.498)  | 0.36 (± 0.61)   |
| At 30 min. (117, 111, 77, 75)        | 0.44 (± 0.635)     | 0.36 (± 0.585)  | 0.49 (± 0.599)  | 0.44 (± 0.683)  |
| At 1 hour (116, 112, 77, 75)         | 0.48 (± 0.625)     | 0.46 (± 0.599)  | 0.57 (± 0.677)  | 0.4 (± 0.717)   |
| At 4 hour (115, 110, 74, 71)         | 0.47 (± 0.626)     | 0.45 (± 0.552)  | 0.51 (± 0.579)  | 0.49 (± 0.673)  |
| At 6 hour (109, 105, 70, 69)         | 0.5 (± 0.603)      | 0.54 (± 0.605)  | 0.63 (± 0.618)  | 0.45 (± 0.607)  |
| At 12 hour (77, 89, 53, 58)          | 0.6 (± 0.591)      | 0.72 (± 0.707)  | 0.74 (± 0.684)  | 0.62 (± 0.745)  |
| At 18 hour (76, 78, 53, 57)          | 0.71 (± 0.689)     | 0.73 (± 0.715)  | 0.83 (± 0.753)  | 0.7 (± 0.68)    |
| At 24 hour (111, 105, 72, 72)        | 0.79 (± 0.662)     | 0.74 (± 0.68)   | 0.9 (± 0.754)   | 0.81 (± 0.642)  |
| At 36 hour (116, 112, 77, 74)        | 0.84 (± 0.709)     | 0.84 (± 0.705)  | 0.88 (± 0.76)   | 0.78 (± 0.781)  |
| At 48 hour (116, 112, 77, 75)        | 0.9 (± 0.806)      | 0.84 (± 0.651)  | 0.99 (± 0.716)  | 0.99 (± 0.846)  |
| At 60 hour (115, 111, 77, 75)        | 1.07 (± 0.78)      | 1 (± 0.714)     | 1.16 (± 0.745)  | 0.96 (± 0.779)  |

|                                |                |                |                |                |
|--------------------------------|----------------|----------------|----------------|----------------|
| At 72 hour (114, 109, 75, 74)  | 0.93 (± 0.784) | 1.06 (± 0.743) | 1.16 (± 0.806) | 0.97 (± 0.81)  |
| At 84 hour (113, 106, 75, 75)  | 1.07 (± 0.81)  | 1 (± 0.756)    | 1.25 (± 0.737) | 1.11 (± 0.746) |
| At 96 hour (112, 106, 75, 74)  | 1.09 (± 0.823) | 1.03 (± 0.762) | 1.01 (± 0.83)  | 1.09 (± 0.743) |
| At 108 hour (111, 105, 75, 74) | 1.18 (± 0.876) | 1.13 (± 0.809) | 1.28 (± 0.894) | 1.15 (± 0.734) |
| At 120 hour (111, 107, 74, 72) | 1.11 (± 0.918) | 1.14 (± 0.782) | 1.24 (± 0.904) | 1.1 (± 0.772)  |
| At 132 hour (110, 107, 73, 74) | 1.34 (± 0.931) | 1.24 (± 0.878) | 1.34 (± 0.931) | 1.3 (± 0.887)  |
| At 144 hour (110, 107, 74, 73) | 1.21 (± 1.015) | 1.21 (± 0.919) | 1.3 (± 0.947)  | 1.27 (± 0.886) |
| At 156 hour (109, 106, 74, 74) | 1.41 (± 1.011) | 1.3 (± 1.053)  | 1.47 (± 0.968) | 1.32 (± 0.952) |
| At 168 hour (105, 103, 73, 73) | 1.41 (± 1.026) | 1.31 (± 0.99)  | 1.34 (± 1.003) | 1.4 (± 0.924)  |

## Statistical analyses

No statistical analyses for this end point

## Secondary: Sum of Pain Intensity Difference (SPID)

|   |   |
|---|---|
| End point title   | Sum of Pain Intensity Difference (SPID) |
| End point description:  |   |
| SPID was measured as $SPID_t = \sum PID_t \times (time_t - time_{t-1})$ (h) by PID for periods 0-6, 0-12 hours and 0 to 1, 1 to 3 and 0 to 7 days after initial treatment between treatment groups. |   |
| End point type  | Secondary                               |
| End point timeframe:  |   |
| 0-6, 0-12 hours, 0 to 1, 1-3 days, 0-7 days   |   |

| End point values                     | Diclofenac plus(+) | Diclofenac         | Menthol            | Placebo            |
|--------------------------------------|--------------------|--------------------|--------------------|--------------------|
| Subject group type                   | Reporting group    | Reporting group    | Reporting group    | Reporting group    |
| Number of subjects analysed          | 117                | 112                | 77                 | 75                 |
| Units: Score on a scale              |                    |                    |                    |                    |
| arithmetic mean (standard deviation) |                    |                    |                    |                    |
| At 0-6 hours                         | 4.16 (± 9.299)     | 3.19 (± 5.862)     | 4.72 (± 6.306)     | 4.37 (± 8.287)     |
| At 0-12 hours                        | 9.19 (± 18.788)    | 9.13 (± 13.284)    | 11.74 (± 14.675)   | 10.05 (± 16.706)   |
| At 0-1 days                          | 26.01 (± 38.722)   | 26.54 (± 28.497)   | 30.91 (± 34.158)   | 26.21 (± 34.877)   |
| At 1 to 3 days                       | 101.54 (± 87.184)  | 100.07 (± 71.085)  | 104.26 (± 83.689)  | 90.88 (± 82.626)   |
| At 0 to 7 days                       | 451.12 (± 265.919) | 452.44 (± 244.488) | 464.96 (± 281.243) | 438.45 (± 287.369) |

## Statistical analyses

No statistical analyses for this end point

## Secondary: Time of Onset of Pain Relief (TOPR)

|                 |                                     |
|-----------------|-------------------------------------|
| End point title | Time of Onset of Pain Relief (TOPR) |
|-----------------|-------------------------------------|

End point description:

TOPR was measured by the time when subjects reported PRS  $\geq 1$ , i.e. a "little" or "perceptible" pain relief.

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

End point timeframe:

Baseline to Day 3

| End point values              | Diclofenac plus(+) | Diclofenac      | Menthol         | Placebo          |
|-------------------------------|--------------------|-----------------|-----------------|------------------|
| Subject group type            | Reporting group    | Reporting group | Reporting group | Reporting group  |
| Number of subjects analysed   | 117                | 112             | 77              | 75               |
| Units: Score on a scale       |                    |                 |                 |                  |
| median (full range (min-max)) | 1.03 (0.2 to 157)  | 4 (0.2 to 168)  | 1 (0.2 to 94.3) | 4 (0.2 to 187.5) |

### Statistical analyses

|   |   |
|---|---|
| <b>Statistical analysis title</b>       | 1% Diclofenac sod. +3% Menthol vs Placebo |
| Comparison groups                       | Diclofenac plus(+) Menthol v Placebo      |
| Number of subjects included in analysis | 192                                       |
| Analysis specification                  | Pre-specified                             |
| Analysis type                           | other                                     |
| P-value                                 | = 0.5404                                  |
| Method                                  | Chi-squared                               |
| Parameter estimate                      | Cox proportional hazard                   |
| Point estimate                          | 1.1                                       |
| Confidence interval                     |   |
| level                                   | 95 %                                      |
| sides                                   | 2-sided                                   |
| lower limit                             | 0.81                                      |
| upper limit                             | 1.48                                      |

|   |  |
|---|--|
| <b>Statistical analysis title</b>       | 1% Diclofenac sod. +3% Menthol vs 3% Menthol |
| Comparison groups                       | Diclofenac plus(+) Menthol v Menthol         |
| Number of subjects included in analysis | 194  |
| Analysis specification                  | Pre-specified                                |
| Analysis type                           | other  |
| P-value                                 | = 0.4639                                     |
| Method                                  | Chi-squared                                  |
| Parameter estimate                      | Cox proportional hazard                      |
| Point estimate                          | 0.9  |

|                     |         |
|---------------------|---------|
| Confidence interval |         |
| level               | 95 %    |
| sides               | 2-sided |
| lower limit         | 0.67    |
| upper limit         | 1.2     |

|   |   |
|---|---|
| <b>Statistical analysis title</b>       | 1% Diclofenac sod. +3% Menthol vs 1% Diclofenac |
| Comparison groups                       | Diclofenac plus(+) Menthol v Diclofenac         |
| Number of subjects included in analysis | 229   |
| Analysis specification                  | Pre-specified                                   |
| Analysis type                           | other   |
| P-value                                 | = 0.5118  |
| Method                                  | Chi-squared                                     |
| Parameter estimate                      | Cox proportional hazard                         |
| Point estimate                          | 1.09  |
| Confidence interval                     |   |
| level                                   | 95 %  |
| sides                                   | 2-sided   |
| lower limit                             | 0.84  |
| upper limit                             | 1.43  |

### Secondary: Time of Onset of meaningful Pain Relief (TOMR)

|  |  |
|--|--|
| End point title  | Time of Onset of meaningful Pain Relief (TOMR) |
| End point description:   |  |
| TOMR was measured by the time when subjects reported PRS $\geq 2$ , i.e. "some" or "meaningful" pain relief. |  |
| End point type   | Secondary                                      |
| End point timeframe:   |  |
| Baseline to Day 4  |  |

| End point values              | Diclofenac plus(+)  | Diclofenac           | Menthol           | Placebo           |
|-------------------------------|---------------------|----------------------|-------------------|-------------------|
| Subject group type            | Reporting group     | Reporting group      | Reporting group   | Reporting group   |
| Number of subjects analysed   | 117                 | 112                  | 77                | 75                |
| Units: Score on a scale       |                     |                      |                   |                   |
| median (full range (min-max)) | 92.5 (0.2 to 203.8) | 76.83 (0.2 to 184.1) | 72 (0.2 to 203.5) | 93.5 (0.2 to 203) |

### Statistical analyses

|                                   |   |
|-----------------------------------|---|
| <b>Statistical analysis title</b> | 1% Diclofenac sod. +3% Menthol vs Placebo |
| Comparison groups                 | Diclofenac plus(+) Menthol v Placebo      |

|   |                         |
|---|-------------------------|
| Number of subjects included in analysis | 192                     |
| Analysis specification                  | Pre-specified           |
| Analysis type                           | other                   |
| P-value                                 | = 0.6918                |
| Method                                  | Chi-squared             |
| Parameter estimate                      | Cox proportional hazard |
| Point estimate                          | 0.93                    |
| Confidence interval                     |                         |
| level                                   | 95 %                    |
| sides                                   | 2-sided                 |
| lower limit                             | 0.67                    |
| upper limit                             | 1.31                    |

|   |  |
|---|--|
| <b>Statistical analysis title</b>       | 1% Diclofenac sod. +3% Menthol vs 3% Menthol |
| Comparison groups                       | Diclofenac plus(+) Menthol v Menthol         |
| Number of subjects included in analysis | 194  |
| Analysis specification                  | Pre-specified                                |
| Analysis type                           | other  |
| P-value                                 | = 0.2389                                     |
| Method                                  | Chi-squared                                  |
| Parameter estimate                      | Cox proportional hazard                      |
| Point estimate                          | 1.23   |
| Confidence interval                     |  |
| level                                   | 95 %   |
| sides                                   | 2-sided                                      |
| lower limit                             | 0.87   |
| upper limit                             | 1.73   |

|   |  |
|---|--|
| <b>Statistical analysis title</b>       | 1%Diclofenac sod.+3% Menthol vs 1% Diclofenac sod. |
| Comparison groups                       | Diclofenac plus(+) Menthol v Diclofenac            |
| Number of subjects included in analysis | 229  |
| Analysis specification                  | Pre-specified                                      |
| Analysis type                           | other  |
| P-value                                 | = 0.9817   |
| Method                                  | Chi-squared  |
| Parameter estimate                      | Cox proportional hazard                            |
| Point estimate                          | 1  |
| Confidence interval                     |  |
| level                                   | 95 %   |
| sides                                   | 2-sided  |
| lower limit                             | 0.74   |
| upper limit                             | 1.37   |

---

## Secondary: Time of Onset of Cooling Sensation (TOCS)

|  |   |
|--|---|
| End point title  | Time of Onset of Cooling Sensation (TOCS) |
| End point description:   |   |
| Time of onset of cooling sensation was measured by the time when subjects reported to have a 'cooling effect as an enhancement of pain relief'. To assess this endpoint subjects were asked at 10, 30 min. and at 1, 4, 6 hours post first dose "Have you felt a cooling sensation at the injured ankle from the study gel?" |   |
| End point type   | Secondary                                 |
| End point timeframe:   |   |
| Baseline to 6 hours  |   |

| End point values              | Diclofenac plus(+) | Diclofenac       | Menthol          | Placebo          |
|-------------------------------|--------------------|------------------|------------------|------------------|
| Subject group type            | Reporting group    | Reporting group  | Reporting group  | Reporting group  |
| Number of subjects analysed   | 117                | 112              | 77               | 75               |
| Units: Score on a scale       |                    |                  |                  |                  |
| median (full range (min-max)) | 0.17 (0.17 to 6)   | 0.17 (0.17 to 6) | 0.17 (0.17 to 6) | 0.17 (0.17 to 6) |

### Statistical analyses

|   |   |
|---|---|
| <b>Statistical analysis title</b>       | 1% Diclofenac sod. +3% Menthol vs Placebo |
| Comparison groups                       | Diclofenac plus(+) Menthol v Placebo      |
| Number of subjects included in analysis | 192                                       |
| Analysis specification                  | Pre-specified                             |
| Analysis type                           | other                                     |
| P-value                                 | = 0.7003                                  |
| Method                                  | Chi-squared                               |
| Parameter estimate                      | Cox proportional hazard                   |
| Point estimate                          | 1.06                                      |
| Confidence interval                     |   |
| level                                   | 95 %                                      |
| sides                                   | 2-sided                                   |
| lower limit                             | 0.79                                      |
| upper limit                             | 1.43                                      |

|   |   |
|---|---|
| <b>Statistical analysis title</b>       | 1% Diclofenac sod.+3% Menthol vs 3% Menthol |
| Comparison groups                       | Menthol v Diclofenac plus(+) Menthol        |
| Number of subjects included in analysis | 194   |
| Analysis specification                  | Pre-specified                               |
| Analysis type                           | other                                       |
| P-value                                 | = 0.9565                                    |
| Method                                  | Chi-squared                                 |
| Parameter estimate                      | Cox proportional hazard                     |
| Point estimate                          | 1.01  |

|                     |         |
|---------------------|---------|
| Confidence interval |         |
| level               | 95 %    |
| sides               | 2-sided |
| lower limit         | 0.75    |
| upper limit         | 1.35    |

|   |   |
|---|---|
| <b>Statistical analysis title</b>       | 1% Diclofenac Sod +3% Menthol vs 1%Diclofenac Sod |
| Comparison groups                       | Diclofenac plus(+) Menthol v Diclofenac           |
| Number of subjects included in analysis | 229   |
| Analysis specification                  | Pre-specified                                     |
| Analysis type                           | other   |
| P-value                                 | = 0.6216  |
| Method                                  | Chi-squared                                       |
| Parameter estimate                      | Cox proportional hazard                           |
| Point estimate                          | 1.07  |
| Confidence interval                     |   |
| level                                   | 95 %  |
| sides                                   | 2-sided   |
| lower limit                             | 0.82  |
| upper limit                             | 1.4   |

### Secondary: Total Pain Relief (TOTPAR)

|   |                            |
|---|----------------------------|
| End point title   | Total Pain Relief (TOTPAR) |
| End point description:  |                            |
| TOTPAR was calculated as sum of the products of PRS with time interval from one time point to other. Descriptive analysis was provided for each time point. |                            |
| End point type  | Secondary                  |
| End point timeframe:  |                            |
| 0 - 6, 0 - 12 hours and 0 - 1, 1 - 3, and 0 - 7 days  |                            |

| End point values                     | Diclofenac plus(+) | Diclofenac        | Menthol            | Placebo          |
|--------------------------------------|--------------------|-------------------|--------------------|------------------|
| Subject group type                   | Reporting group    | Reporting group   | Reporting group    | Reporting group  |
| Number of subjects analysed          | 117                | 112               | 77                 | 75               |
| Units: Score on a scale              |                    |                   |                    |                  |
| arithmetic mean (standard deviation) |                    |                   |                    |                  |
| At 0 - 6 hours                       | 2.81 (± 3.162)     | 2.64 (± 2.902)    | 3.27 (± 3.176)     | 2.75 (± 3.184)   |
| At 0 - 12 hours                      | 6.86 (± 6.125)     | 6.81 (± 6.178)    | 8.02 (± 7.045)     | 6.35 (± 6.732)   |
| At 0 - 1 days                        | 16.04 (± 12.048)   | 16.14 (± 12.479)  | 18.85 (± 14.517)   | 15.71 (± 13.146) |
| At 1 - 3 days                        | 44.1 (± 29.344)    | 45.11 (± 26.431)  | 47.84 (± 29.102)   | 43.04 (± 31.57)  |
| At 0 - 7 days                        | 172.97 (± 98.838)  | 170.73 (± 97.187) | 184.17 (± 102.787) | 174 (± 94.917)   |



## Statistical analyses

No statistical analyses for this end point

### Secondary: Skin Temperature

|                 |                  |
|-----------------|------------------|
| End point title | Skin Temperature |
|-----------------|------------------|

End point description:

Skin temperature was measured by thermal imaging.

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

End point timeframe:

At 10, 30, 60 minute (min.) and 4 and 6 hours

| End point values                     | Diclofenac plus(+) | Diclofenac      | Menthol         | Placebo         |
|--------------------------------------|--------------------|-----------------|-----------------|-----------------|
| Subject group type                   | Reporting group    | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed          | 11                 | 10              | 6               | 6               |
| Units: degree Celsius (°C)           |                    |                 |                 |                 |
| arithmetic mean (standard deviation) |                    |                 |                 |                 |
| At 10 min.                           | 27.69 (± 3.706)    | 29.31 (± 2.61)  | 29.92 (± 2.118) | 30.93 (± 2.842) |
| At 30 min.                           | 28.26 (± 3.161)    | 29.81 (± 2.595) | 30.5 (± 2.117)  | 31.47 (± 3.386) |
| At 60 min.                           | 28.64 (± 2.986)    | 30.74 (± 2.781) | 30.22 (± 2.388) | 31.78 (± 3.213) |
| At 4 hours                           | 30.52 (± 2.88)     | 31.26 (± 2.981) | 31.15 (± 3.221) | 31.57 (± 2.7)   |
| At 6 hours                           | 31.02 (± 2.951)    | 31.53 (± 3.299) | 31.27 (± 3.925) | 32.07 (± 3.482) |

## Statistical analyses

No statistical analyses for this end point

### Secondary: Ankle Swelling

|                 |                |
|-----------------|----------------|
| End point title | Ankle Swelling |
|-----------------|----------------|

End point description:

Reduction in ankle swelling as change from baseline measured by "figure of eight" method of injured ankle measurement. No overall statistical analyses for this endpoint.

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

End point timeframe:

Days 1, 3 and 7

| <b>End point values</b>              | Diclofenac plus(+) | Diclofenac      | Menthol         | Placebo         |
|--------------------------------------|--------------------|-----------------|-----------------|-----------------|
| Subject group type                   | Reporting group    | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed          | 117                | 112             | 77              | 75              |
| Units: Score on a scale              |                    |                 |                 |                 |
| arithmetic mean (standard deviation) |                    |                 |                 |                 |
| Day 1                                | 573.9 (± 57.77)    | 573.6 (± 50.2)  | 577.1 (± 55.35) | 576.1 (± 50.19) |
| Day 3                                | 566.2 (± 57.03)    | 566.9 (± 49.55) | 567 (± 56.48)   | 565.4 (± 52.67) |
| Day 7                                | 558.3 (± 56.02)    | 558.8 (± 46.37) | 558.4 (± 56.88) | 557 (± 50.85)   |

### Statistical analyses

No statistical analyses for this end point

### Secondary: Time to Complete Recovery

|   |                           |
|---|---------------------------|
| End point title   | Time to Complete Recovery |
| End point description:  |                           |
| Time to complete recovery was measured as the day with complete relief of ankle pain (subject-rated NRS scores were 0 for pain intensity at rest and pain) and swelling (subject did not have any apparent swelling nor experience any pain or limitation of movement of the injured ankle as determined by the Principal Investigator or designee during the course of an ankle exam). |                           |
| End point type  | Secondary                 |
| End point timeframe:  |                           |
| Baseline to Day 10  |                           |

| <b>End point values</b>       | Diclofenac plus(+) | Diclofenac        | Menthol           | Placebo            |
|-------------------------------|--------------------|-------------------|-------------------|--------------------|
| Subject group type            | Reporting group    | Reporting group   | Reporting group   | Reporting group    |
| Number of subjects analysed   | 117                | 112               | 77                | 75                 |
| Units: score on a scale       |                    |                   |                   |                    |
| median (full range (min-max)) | 240 (17 to 240)    | 240 (48.2 to 240) | 240 (53.2 to 240) | 240 (145.5 to 240) |

### Statistical analyses

|                                   |  |
|-----------------------------------|--|
| <b>Statistical analysis title</b> | % Diclofenac Sod+3% Menthol vs Placebo |
| Comparison groups                 | Diclofenac plus(+) Menthol v Placebo   |

|   |                         |
|---|-------------------------|
| Number of subjects included in analysis | 192                     |
| Analysis specification                  | Pre-specified           |
| Analysis type                           | other                   |
| P-value                                 | = 0.0408                |
| Method                                  | t-test, 2-sided         |
| Parameter estimate                      | Cox proportional hazard |
| Point estimate                          | 2.43                    |
| Confidence interval                     |                         |
| level                                   | 95 %                    |
| sides                                   | 2-sided                 |
| lower limit                             | 1.04                    |
| upper limit                             | 5.7                     |

|   |  |
|---|--|
| <b>Statistical analysis title</b>       | 1% Diclofenac Sod+3% Menthol vs 3% Menthol |
| Comparison groups                       | Diclofenac plus(+) Menthol v Menthol       |
| Number of subjects included in analysis | 194  |
| Analysis specification                  | Pre-specified                              |
| Analysis type                           | other                                      |
| P-value                                 | = 0.4507                                   |
| Method                                  | t-test, 2-sided                            |
| Parameter estimate                      | Cox proportional hazard                    |
| Point estimate                          | 1.31                                       |
| Confidence interval                     |  |
| level                                   | 95 %                                       |
| sides                                   | 2-sided                                    |
| lower limit                             | 0.65                                       |
| upper limit                             | 2.65                                       |

|   |   |
|---|---|
| <b>Statistical analysis title</b>       | 1% Diclofenac Sod+3% Menthol vs 1% Diclofenac Sod |
| Comparison groups                       | Diclofenac plus(+) Menthol v Diclofenac           |
| Number of subjects included in analysis | 229   |
| Analysis specification                  | Pre-specified                                     |
| Analysis type                           | other   |
| P-value                                 | = 0.315   |
| Method                                  | t-test, 2-sided                                   |
| Parameter estimate                      | Cox proportional hazard                           |
| Point estimate                          | 1.38  |
| Confidence interval                     |   |
| level                                   | 95 %  |
| sides                                   | 2-sided   |
| lower limit                             | 0.73  |
| upper limit                             | 2.61  |

---

## Secondary: Patient's Global Assessment in Response to Treatment (PGART)

|   |  |
|---|--|
| End point title   | Patient's Global Assessment in Response to Treatment (PGART) |
| End point description:  |  |
| PGART was measured at the end of study in a scale from 0-4 (where: 0- Poor; 1-Fair; 2- Good; 3-Very Good; 4- Excellent) |  |
| End point type  | Secondary  |
| End point timeframe:  |  |
| Baseline to Day 10  |  |

| End point values              | Diclofenac plus(+) | Diclofenac      | Menthol         | Placebo         |
|-------------------------------|--------------------|-----------------|-----------------|-----------------|
| Subject group type            | Reporting group    | Reporting group | Reporting group | Reporting group |
| Number of subjects analysed   | 117                | 112             | 77              | 75              |
| Units: number of participants |                    |                 |                 |                 |
| Poor=0                        | 3                  | 13              | 6               | 9               |
| Fair=1                        | 24                 | 20              | 12              | 14              |
| Good=2                        | 44                 | 46              | 26              | 27              |
| Very Good=3                   | 35                 | 26              | 26              | 21              |
| Excellent=4                   | 9                  | 6               | 5               | 4               |

### Statistical analyses

|   |   |
|---|---|
| <b>Statistical analysis title</b>       | Diclofenac Sodium + Methanol vs Placebo |
| Comparison groups                       | Diclofenac plus(+ ) Menthol v Placebo   |
| Number of subjects included in analysis | 192                                     |
| Analysis specification                  | Pre-specified                           |
| Analysis type                           | other                                   |
| P-value                                 | = 0.1114                                |
| Method                                  | ANCOVA                                  |
| Parameter estimate                      | LS mean difference                      |
| Point estimate                          | 0.23                                    |
| Confidence interval                     |   |
| level                                   | 95 %                                    |
| sides                                   | 2-sided                                 |
| lower limit                             | -0.05                                   |
| upper limit                             | 0.52                                    |

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| <b>Statistical analysis title</b> | Diclofenac + Methanol vs Methanol     |
| Comparison groups                 | Diclofenac plus(+ ) Menthol v Menthol |

|   |                    |
|---|--------------------|
| Number of subjects included in analysis | 194                |
| Analysis specification                  | Pre-specified      |
| Analysis type                           | other              |
| P-value                                 | = 0.5808           |
| Method                                  | ANCOVA             |
| Parameter estimate                      | LS mean difference |
| Point estimate                          | 0.08               |
| Confidence interval                     |                    |
| level                                   | 95 %               |
| sides                                   | 2-sided            |
| lower limit                             | -0.21              |
| upper limit                             | 0.37               |

|   |                                      |
|---|--------------------------------------|
| <b>Statistical analysis title</b>       | Diclofenac + Methanol vs Diclofenac  |
| Comparison groups                       | Diclofenac plus(+) Menthol v Placebo |
| Number of subjects included in analysis | 192                                  |
| Analysis specification                  | Pre-specified                        |
| Analysis type                           | other                                |
| P-value                                 | = 0.03                               |
| Method                                  | ANCOVA                               |
| Parameter estimate                      | LS mean difference                   |
| Point estimate                          | 0.29                                 |
| Confidence interval                     |                                      |
| level                                   | 95 %                                 |
| sides                                   | 2-sided                              |
| lower limit                             | 0.03                                 |
| upper limit                             | 0.55                                 |

### **Secondary: AUC1-3 days of PI on Movement for Diclofenac Sodium + Methanol, Diclofenac, Methanol and Placebo**

|                 |  |
|-----------------|--|
| End point title | AUC1-3 days of PI on Movement for Diclofenac Sodium + Methanol, Diclofenac, Methanol and Placebo |
|-----------------|--|

#### **End point description:**

AUC of PI on movement was measured by a numerical rating scale (NRS) during the 48 hour time interval from Day 1 to 3. AUC1-3 day was calculated based on trapezoidal method. Pain intensity was measured in NRS scale from 0 (no pain) to 10 (extreme pain). Participants assessed the severity of ankle pain using the NRS scale at baseline (prior to treatment) and at 10, 30 minutes and 1, 4, 6, 12, 18 and 24 hours after the first dose of treatment and twice daily after dosing.

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

#### **End point timeframe:**

Baseline to 72 hours

| <b>End point values</b>              | Diclofenac plus(+)      | Diclofenac             | Menthol                 | Placebo                 |
|--------------------------------------|-------------------------|------------------------|-------------------------|-------------------------|
| Subject group type                   | Reporting group         | Reporting group        | Reporting group         | Reporting group         |
| Number of subjects analysed          | 117                     | 112                    | 77                      | 75                      |
| Units: score on a scale              |                         |                        |                         |                         |
| arithmetic mean (standard deviation) | 276.97 ( $\pm$ 111.356) | 261.11 ( $\pm$ 96.791) | 272.65 ( $\pm$ 118.196) | 282.88 ( $\pm$ 100.958) |

### Statistical analyses

|   |   |
|---|---|
| <b>Statistical analysis title</b>       | 1% diclofenac+3% menthol vs 1% diclofenac |
| Comparison groups                       | Diclofenac plus(+) Menthol v Diclofenac   |
| Number of subjects included in analysis | 229                                       |
| Analysis specification                  | Pre-specified                             |
| Analysis type                           | other                                     |
| P-value                                 | = 0.8761                                  |
| Method                                  | ANCOVA                                    |
| Parameter estimate                      | LS mean difference                        |
| Point estimate                          | 1.58                                      |
| Confidence interval                     |   |
| level                                   | 95 %                                      |
| sides                                   | 2-sided                                   |
| lower limit                             | -18.34                                    |
| upper limit                             | 21.5                                      |

|   |  |
|---|--|
| <b>Statistical analysis title</b>       | 1% diclofenac+3% menthol vs 3% menthol |
| Comparison groups                       | Diclofenac plus(+) Menthol v Menthol   |
| Number of subjects included in analysis | 194                                    |
| Analysis specification                  | Pre-specified                          |
| Analysis type                           | other                                  |
| P-value                                 | = 0.8164                               |
| Method                                  | ANCOVA                                 |
| Parameter estimate                      | LS mean difference                     |
| Point estimate                          | 2.61                                   |
| Confidence interval                     |  |
| level                                   | 95 %                                   |
| sides                                   | 2-sided                                |
| lower limit                             | -19.46                                 |
| upper limit                             | 24.67                                  |

|                                   |                             |
|-----------------------------------|-----------------------------|
| <b>Statistical analysis title</b> | 1% diclofenac vs 3% menthol |
| Comparison groups                 | Diclofenac v Menthol        |

|   |                    |
|---|--------------------|
| Number of subjects included in analysis | 189                |
| Analysis specification                  | Pre-specified      |
| Analysis type                           | other              |
| P-value                                 | = 0.9279           |
| Method                                  | ANCOVA             |
| Parameter estimate                      | LS mean difference |
| Point estimate                          | 1.03               |
| Confidence interval                     |                    |
| level                                   | 95 %               |
| sides                                   | 2-sided            |
| lower limit                             | -21.27             |
| upper limit                             | 23.33              |

|   |                          |
|---|--------------------------|
| <b>Statistical analysis title</b>       | 1% Diclofenac vs Placebo |
| Comparison groups                       | Diclofenac v Placebo     |
| Number of subjects included in analysis | 187                      |
| Analysis specification                  | Pre-specified            |
| Analysis type                           | other                    |
| P-value                                 | = 0.3442                 |
| Method                                  | ANCOVA                   |
| Parameter estimate                      | LS mean difference       |
| Point estimate                          | -10.81                   |
| Confidence interval                     |                          |
| level                                   | 95 %                     |
| sides                                   | 2-sided                  |
| lower limit                             | -33.26                   |
| upper limit                             | 11.64                    |

## Adverse events

### Adverse events information

Timeframe for reporting adverse events:

Baseline upto Day 10 of administration of investigational product

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

### Dictionary used

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

|                    |     |
|--------------------|-----|
| Dictionary version | 0.0 |
|--------------------|-----|

### Reporting groups

|                       |                                 |
|-----------------------|---------------------------------|
| Reporting group title | 1% Diclofenac plus + 3% Menthol |
|-----------------------|---------------------------------|

Reporting group description:

1% Diclofenac sodium+ 3% menthol gel was supplied in 30 gram (g) tubes for each subject to apply 4g of gel topically to the injured ankle region four times daily for up to 10 days.

|                       |               |
|-----------------------|---------------|
| Reporting group title | 1% Diclofenac |
|-----------------------|---------------|

Reporting group description:

1% Diclofenac sodium + 0.09% methanol gel was supplied in 30g tubes for each subject to apply 4g of gel topically to the injured ankle region four times daily for up to 10 days.

|                       |            |
|-----------------------|------------|
| Reporting group title | 3% Menthol |
|-----------------------|------------|

Reporting group description:

3% menthol gel was supplied in 30g tubes for each subject to apply 4g of gel topically to the injured ankle region four times daily for up to 10 days.

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

Reporting group description:

Placebo with 0.09% methanol gel was supplied in 30g tubes for each subject to apply 4g of gel topically to the injured ankle region four times daily for up to 10 days.

| Serious adverse events                            | 1% Diclofenac plus + 3% Menthol | 1% Diclofenac   | 3% Menthol     |
|---|---------------------------------|-----------------|----------------|
| Total subjects affected by serious adverse events |                                 |                 |                |
| subjects affected / exposed                       | 0 / 117 (0.00%)                 | 0 / 112 (0.00%) | 0 / 77 (0.00%) |
| number of deaths (all causes)                     | 0                               | 0               | 0              |
| number of deaths resulting from adverse events    |                                 |                 |                |

| Serious adverse events                            | Placebo        |  |  |
|---|----------------|--|--|
| Total subjects affected by serious adverse events |                |  |  |
| subjects affected / exposed                       | 0 / 75 (0.00%) |  |  |
| number of deaths (all causes)                     | 0              |  |  |
| number of deaths resulting from adverse events    |                |  |  |

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



| <b>Non-serious adverse events</b>                     | 1% Diclofenac plus<br>+ 3% Menthol | 1% Diclofenac     | 3% Menthol       |
|---|------------------------------------|-------------------|------------------|
| Total subjects affected by non-serious adverse events |                                    |                   |                  |
| subjects affected / exposed                           | 43 / 117 (36.75%)                  | 26 / 112 (23.21%) | 22 / 77 (28.57%) |
| Injury, poisoning and procedural complications        |                                    |                   |                  |
| Arthropod Sting                                       |                                    |                   |                  |
| subjects affected / exposed                           | 0 / 117 (0.00%)                    | 1 / 112 (0.89%)   | 0 / 77 (0.00%)   |
| occurrences (all)                                     | 0                                  | 2                 | 0                |
| Skin Abrasion   |                                    |                   |                  |
| subjects affected / exposed                           | 1 / 117 (0.85%)                    | 0 / 112 (0.00%)   | 0 / 77 (0.00%)   |
| occurrences (all)                                     | 1                                  | 0                 | 0                |
| Muscle Injury   |                                    |                   |                  |
| subjects affected / exposed                           | 0 / 117 (0.00%)                    | 0 / 112 (0.00%)   | 0 / 77 (0.00%)   |
| occurrences (all)                                     | 0                                  | 0                 | 0                |
| Nervous system disorders                              |                                    |                   |                  |
| Headache  |                                    |                   |                  |
| subjects affected / exposed                           | 4 / 117 (3.42%)                    | 2 / 112 (1.79%)   | 4 / 77 (5.19%)   |
| occurrences (all)                                     | 4                                  | 2                 | 4                |
| Hypoaesthesia   |                                    |                   |                  |
| subjects affected / exposed                           | 0 / 117 (0.00%)                    | 1 / 112 (0.89%)   | 0 / 77 (0.00%)   |
| occurrences (all)                                     | 0                                  | 1                 | 0                |
| Burning Sensation                                     |                                    |                   |                  |
| subjects affected / exposed                           | 1 / 117 (0.85%)                    | 0 / 112 (0.00%)   | 0 / 77 (0.00%)   |
| occurrences (all)                                     | 1                                  | 0                 | 0                |
| General disorders and administration site conditions  |                                    |                   |                  |
| Application Site Dryness                              |                                    |                   |                  |
| subjects affected / exposed                           | 15 / 117 (12.82%)                  | 7 / 112 (6.25%)   | 3 / 77 (3.90%)   |
| occurrences (all)                                     | 15                                 | 7                 | 3                |
| Application site pain                                 |                                    |                   |                  |
| subjects affected / exposed                           | 7 / 117 (5.98%)                    | 0 / 112 (0.00%)   | 2 / 77 (2.60%)   |
| occurrences (all)                                     | 7                                  | 0                 | 2                |
| Application site pruritus                             |                                    |                   |                  |
| subjects affected / exposed                           | 5 / 117 (4.27%)                    | 3 / 112 (2.68%)   | 1 / 77 (1.30%)   |
| occurrences (all)                                     | 5                                  | 3                 | 1                |
| Application Site Erythema                             |                                    |                   |                  |
| subjects affected / exposed                           | 4 / 117 (3.42%)                    | 1 / 112 (0.89%)   | 2 / 77 (2.60%)   |
| occurrences (all)                                     | 4                                  | 1                 | 2                |

|  |                      |                      |                     |
|--|----------------------|----------------------|---------------------|
| Application Site Eczema<br>subjects affected / exposed<br>occurrences (all)                | 2 / 117 (1.71%)<br>2 | 0 / 112 (0.00%)<br>0 | 0 / 77 (0.00%)<br>0 |
| Application Site Discolouration<br>subjects affected / exposed<br>occurrences (all)        | 1 / 117 (0.85%)<br>1 | 0 / 112 (0.00%)<br>0 | 0 / 77 (0.00%)<br>0 |
| Application Site Rash<br>subjects affected / exposed<br>occurrences (all)                  | 1 / 117 (0.85%)<br>1 | 0 / 112 (0.00%)<br>0 | 0 / 77 (0.00%)<br>0 |
| Application Site Reaction<br>subjects affected / exposed<br>occurrences (all)              | 1 / 117 (0.85%)<br>1 | 0 / 112 (0.00%)<br>0 | 0 / 77 (0.00%)<br>0 |
| Application Site Vesicles<br>subjects affected / exposed<br>occurrences (all)              | 1 / 117 (0.85%)<br>1 | 0 / 112 (0.00%)<br>0 | 0 / 77 (0.00%)<br>0 |
| Asthenia<br>subjects affected / exposed<br>occurrences (all)                               | 1 / 117 (0.85%)<br>1 | 0 / 112 (0.00%)<br>0 | 0 / 77 (0.00%)<br>0 |
| Necrosis<br>subjects affected / exposed<br>occurrences (all)                               | 1 / 117 (0.85%)<br>1 | 0 / 112 (0.00%)<br>0 | 0 / 77 (0.00%)<br>0 |
| Application Site Hypersensitivity<br>subjects affected / exposed<br>occurrences (all)      | 0 / 117 (0.00%)<br>0 | 1 / 112 (0.89%)<br>2 | 0 / 77 (0.00%)<br>0 |
| Application Site Burn<br>subjects affected / exposed<br>occurrences (all)                  | 0 / 117 (0.00%)<br>0 | 0 / 112 (0.00%)<br>0 | 1 / 77 (1.30%)<br>1 |
| Application Site Swelling<br>subjects affected / exposed<br>occurrences (all)              | 0 / 117 (0.00%)<br>0 | 0 / 112 (0.00%)<br>0 | 1 / 77 (1.30%)<br>1 |
| Ear and labyrinth disorders<br>Vertigo<br>subjects affected / exposed<br>occurrences (all) | 1 / 117 (0.85%)<br>1 | 0 / 112 (0.00%)<br>0 | 0 / 77 (0.00%)<br>0 |
| Immune system disorders  |                      |                      |                     |

|  |                        |                        |                        |
|--|------------------------|------------------------|------------------------|
| Hypersensitivity<br>subjects affected / exposed<br>occurrences (all)   | 1 / 117 (0.85%)<br>1   | 0 / 112 (0.00%)<br>0   | 0 / 77 (0.00%)<br>0    |
| Gastrointestinal disorders   |                        |                        |                        |
| Abdominal Pain<br>subjects affected / exposed<br>occurrences (all)     | 0 / 117 (0.00%)<br>0   | 1 / 112 (0.89%)<br>1   | 0 / 77 (0.00%)<br>0    |
| Diarrhoea<br>subjects affected / exposed<br>occurrences (all)          | 0 / 117 (0.00%)<br>0   | 0 / 112 (0.00%)<br>0   | 1 / 77 (1.30%)<br>2    |
| Nausea<br>subjects affected / exposed<br>occurrences (all)             | 0 / 117 (0.00%)<br>0   | 0 / 112 (0.00%)<br>0   | 1 / 77 (1.30%)<br>1    |
| Vomiting<br>subjects affected / exposed<br>occurrences (all)           | 0 / 117 (0.00%)<br>0   | 0 / 112 (0.00%)<br>0   | 1 / 77 (1.30%)<br>1    |
| Skin and subcutaneous tissue disorders                                 |                        |                        |                        |
| Dry Skin<br>subjects affected / exposed<br>occurrences (all)           | 10 / 117 (8.55%)<br>10 | 10 / 112 (8.93%)<br>10 | 10 / 77 (12.99%)<br>10 |
| Pruritus<br>subjects affected / exposed<br>occurrences (all)           | 7 / 117 (5.98%)<br>8   | 4 / 112 (3.57%)<br>5   | 3 / 77 (3.90%)<br>3    |
| Erythema<br>subjects affected / exposed<br>occurrences (all)           | 6 / 117 (5.13%)<br>6   | 2 / 112 (1.79%)<br>2   | 3 / 77 (3.90%)<br>3    |
| Blister<br>subjects affected / exposed<br>occurrences (all)            | 1 / 117 (0.85%)<br>1   | 0 / 112 (0.00%)<br>0   | 1 / 77 (1.30%)<br>1    |
| Dermatitis<br>subjects affected / exposed<br>occurrences (all)         | 1 / 117 (0.85%)<br>1   | 0 / 112 (0.00%)<br>0   | 0 / 77 (0.00%)<br>0    |
| Dermatitis Contact<br>subjects affected / exposed<br>occurrences (all) | 1 / 117 (0.85%)<br>1   | 0 / 112 (0.00%)<br>0   | 0 / 77 (0.00%)<br>0    |
| Skin Exfoliation   |                        |                        |                        |

|   |                 |                 |                |
|---|-----------------|-----------------|----------------|
| subjects affected / exposed                     | 1 / 117 (0.85%) | 0 / 112 (0.00%) | 0 / 77 (0.00%) |
| occurrences (all)                               | 1               | 0               | 0              |
| Skin Wrinkling                                  |                 |                 |                |
| subjects affected / exposed                     | 1 / 117 (0.85%) | 0 / 112 (0.00%) | 0 / 77 (0.00%) |
| occurrences (all)                               | 1               | 0               | 0              |
| Eczema  |                 |                 |                |
| subjects affected / exposed                     | 0 / 117 (0.00%) | 0 / 112 (0.00%) | 1 / 77 (1.30%) |
| occurrences (all)                               | 0               | 0               | 1              |
| Rash  |                 |                 |                |
| subjects affected / exposed                     | 0 / 117 (0.00%) | 1 / 112 (0.89%) | 0 / 77 (0.00%) |
| occurrences (all)                               | 0               | 1               | 0              |
| Rash Vesicular                                  |                 |                 |                |
| subjects affected / exposed                     | 0 / 117 (0.00%) | 0 / 112 (0.00%) | 0 / 77 (0.00%) |
| occurrences (all)                               | 0               | 0               | 0              |
| Skin Reaction                                   |                 |                 |                |
| subjects affected / exposed                     | 0 / 117 (0.00%) | 0 / 112 (0.00%) | 1 / 77 (1.30%) |
| occurrences (all)                               | 0               | 0               | 1              |
| Musculoskeletal and connective tissue disorders |                 |                 |                |
| Arthralgia                                      |                 |                 |                |
| subjects affected / exposed                     | 1 / 117 (0.85%) | 0 / 112 (0.00%) | 0 / 77 (0.00%) |
| occurrences (all)                               | 1               | 0               | 0              |
| Back Pain                                       |                 |                 |                |
| subjects affected / exposed                     | 0 / 117 (0.00%) | 0 / 112 (0.00%) | 1 / 77 (1.30%) |
| occurrences (all)                               | 0               | 0               | 1              |
| Bone Swelling                                   |                 |                 |                |
| subjects affected / exposed                     | 0 / 117 (0.00%) | 0 / 112 (0.00%) | 1 / 77 (1.30%) |
| occurrences (all)                               | 0               | 0               | 1              |
| Exostosis                                       |                 |                 |                |
| subjects affected / exposed                     | 0 / 117 (0.00%) | 0 / 112 (0.00%) | 1 / 77 (1.30%) |
| occurrences (all)                               | 0               | 0               | 1              |
| Osteoarthritis                                  |                 |                 |                |
| subjects affected / exposed                     | 0 / 117 (0.00%) | 0 / 112 (0.00%) | 1 / 77 (1.30%) |
| occurrences (all)                               | 0               | 0               | 1              |
| Infections and infestations                     |                 |                 |                |

|                             |                 |                 |                |
|-----------------------------|-----------------|-----------------|----------------|
| Nasopharyngitis             |                 |                 |                |
| subjects affected / exposed | 1 / 117 (0.85%) | 0 / 112 (0.00%) | 0 / 77 (0.00%) |
| occurrences (all)           | 1               | 0               | 0              |
| Pyoderma                    |                 |                 |                |
| subjects affected / exposed | 1 / 117 (0.85%) | 0 / 112 (0.00%) | 0 / 77 (0.00%) |
| occurrences (all)           | 1               | 0               | 0              |
| Sinusitis                   |                 |                 |                |
| subjects affected / exposed | 1 / 117 (0.85%) | 0 / 112 (0.00%) | 0 / 77 (0.00%) |
| occurrences (all)           | 1               | 0               | 0              |

| <b>Non-serious adverse events</b>                     | Placebo          |  |  |
|---|------------------|--|--|
| Total subjects affected by non-serious adverse events |                  |  |  |
| subjects affected / exposed                           | 17 / 75 (22.67%) |  |  |
| Injury, poisoning and procedural complications        |                  |  |  |
| Arthropod Sting                                       |                  |  |  |
| subjects affected / exposed                           | 0 / 75 (0.00%)   |  |  |
| occurrences (all)                                     | 0                |  |  |
| Skin Abrasion   |                  |  |  |
| subjects affected / exposed                           | 0 / 75 (0.00%)   |  |  |
| occurrences (all)                                     | 0                |  |  |
| Muscle Injury   |                  |  |  |
| subjects affected / exposed                           | 1 / 75 (1.33%)   |  |  |
| occurrences (all)                                     | 1                |  |  |
| Nervous system disorders                              |                  |  |  |
| Headache  |                  |  |  |
| subjects affected / exposed                           | 3 / 75 (4.00%)   |  |  |
| occurrences (all)                                     | 3                |  |  |
| Hypoaesthesia   |                  |  |  |
| subjects affected / exposed                           | 0 / 75 (0.00%)   |  |  |
| occurrences (all)                                     | 0                |  |  |
| Burning Sensation                                     |                  |  |  |
| subjects affected / exposed                           | 1 / 75 (1.33%)   |  |  |
| occurrences (all)                                     | 1                |  |  |
| General disorders and administration site conditions  |                  |  |  |
| Application Site Dryness                              |                  |  |  |

|                                   |                |  |  |
|-----------------------------------|----------------|--|--|
| subjects affected / exposed       | 4 / 75 (5.33%) |  |  |
| occurrences (all)                 | 4              |  |  |
| Application site pain             |                |  |  |
| subjects affected / exposed       | 1 / 75 (1.33%) |  |  |
| occurrences (all)                 | 1              |  |  |
| Application site pruritus         |                |  |  |
| subjects affected / exposed       | 1 / 75 (1.33%) |  |  |
| occurrences (all)                 | 1              |  |  |
| Application Site Erythema         |                |  |  |
| subjects affected / exposed       | 0 / 75 (0.00%) |  |  |
| occurrences (all)                 | 0              |  |  |
| Application Site Eczema           |                |  |  |
| subjects affected / exposed       | 0 / 75 (0.00%) |  |  |
| occurrences (all)                 | 0              |  |  |
| Application Site Discolouration   |                |  |  |
| subjects affected / exposed       | 0 / 75 (0.00%) |  |  |
| occurrences (all)                 | 0              |  |  |
| Application Site Rash             |                |  |  |
| subjects affected / exposed       | 0 / 75 (0.00%) |  |  |
| occurrences (all)                 | 0              |  |  |
| Application Site Reaction         |                |  |  |
| subjects affected / exposed       | 0 / 75 (0.00%) |  |  |
| occurrences (all)                 | 0              |  |  |
| Application Site Vesicles         |                |  |  |
| subjects affected / exposed       | 0 / 75 (0.00%) |  |  |
| occurrences (all)                 | 0              |  |  |
| Asthenia                          |                |  |  |
| subjects affected / exposed       | 0 / 75 (0.00%) |  |  |
| occurrences (all)                 | 0              |  |  |
| Necrosis                          |                |  |  |
| subjects affected / exposed       | 0 / 75 (0.00%) |  |  |
| occurrences (all)                 | 0              |  |  |
| Application Site Hypersensitivity |                |  |  |
| subjects affected / exposed       | 0 / 75 (0.00%) |  |  |
| occurrences (all)                 | 0              |  |  |
| Application Site Burn             |                |  |  |

|   |  |  |  |
|---|--|--|--|
| subjects affected / exposed<br>occurrences (all)<br><br>Application Site Swelling<br>subjects affected / exposed<br>occurrences (all)   | 0 / 75 (0.00%)<br>0<br><br>0 / 75 (0.00%)<br>0   |  |  |
| Ear and labyrinth disorders<br>Vertigo<br>subjects affected / exposed<br>occurrences (all)  | 0 / 75 (0.00%)<br>0  |  |  |
| Immune system disorders<br>Hypersensitivity<br>subjects affected / exposed<br>occurrences (all)   | 0 / 75 (0.00%)<br>0  |  |  |
| Gastrointestinal disorders<br>Abdominal Pain<br>subjects affected / exposed<br>occurrences (all)<br><br>Diarrhoea<br>subjects affected / exposed<br>occurrences (all)<br><br>Nausea<br>subjects affected / exposed<br>occurrences (all)<br><br>Vomiting<br>subjects affected / exposed<br>occurrences (all) | 0 / 75 (0.00%)<br>0<br><br>0 / 75 (0.00%)<br>0<br><br>0 / 75 (0.00%)<br>0<br><br>0 / 75 (0.00%)<br>0 |  |  |
| Skin and subcutaneous tissue disorders<br>Dry Skin<br>subjects affected / exposed<br>occurrences (all)<br><br>Pruritus<br>subjects affected / exposed<br>occurrences (all)<br><br>Erythema<br>subjects affected / exposed<br>occurrences (all)<br><br>Blister   | 4 / 75 (5.33%)<br>4<br><br>1 / 75 (1.33%)<br>1<br><br>1 / 75 (1.33%)<br>1                            |  |  |

|   |                |  |  |
|---|----------------|--|--|
| subjects affected / exposed                     | 0 / 75 (0.00%) |  |  |
| occurrences (all)                               | 0              |  |  |
| Dermatitis                                      |                |  |  |
| subjects affected / exposed                     | 0 / 75 (0.00%) |  |  |
| occurrences (all)                               | 0              |  |  |
| Dermatitis Contact                              |                |  |  |
| subjects affected / exposed                     | 0 / 75 (0.00%) |  |  |
| occurrences (all)                               | 0              |  |  |
| Skin Exfoliation                                |                |  |  |
| subjects affected / exposed                     | 0 / 75 (0.00%) |  |  |
| occurrences (all)                               | 0              |  |  |
| Skin Wrinkling                                  |                |  |  |
| subjects affected / exposed                     | 0 / 75 (0.00%) |  |  |
| occurrences (all)                               | 0              |  |  |
| Eczema  |                |  |  |
| subjects affected / exposed                     | 0 / 75 (0.00%) |  |  |
| occurrences (all)                               | 0              |  |  |
| Rash  |                |  |  |
| subjects affected / exposed                     | 0 / 75 (0.00%) |  |  |
| occurrences (all)                               | 0              |  |  |
| Rash Vesicular                                  |                |  |  |
| subjects affected / exposed                     | 1 / 75 (1.33%) |  |  |
| occurrences (all)                               | 1              |  |  |
| Skin Reaction                                   |                |  |  |
| subjects affected / exposed                     | 0 / 75 (0.00%) |  |  |
| occurrences (all)                               | 0              |  |  |
| Musculoskeletal and connective tissue disorders |                |  |  |
| Arthralgia                                      |                |  |  |
| subjects affected / exposed                     | 0 / 75 (0.00%) |  |  |
| occurrences (all)                               | 0              |  |  |
| Back Pain                                       |                |  |  |
| subjects affected / exposed                     | 2 / 75 (2.67%) |  |  |
| occurrences (all)                               | 2              |  |  |
| Bone Swelling                                   |                |  |  |



|                             |                |  |  |
|-----------------------------|----------------|--|--|
| subjects affected / exposed | 0 / 75 (0.00%) |  |  |
| occurrences (all)           | 0              |  |  |
| Exostosis                   |                |  |  |
| subjects affected / exposed | 0 / 75 (0.00%) |  |  |
| occurrences (all)           | 0              |  |  |
| Osteoarthritis              |                |  |  |
| subjects affected / exposed | 0 / 75 (0.00%) |  |  |
| occurrences (all)           | 0              |  |  |
| Infections and infestations |                |  |  |
| Nasopharyngitis             |                |  |  |
| subjects affected / exposed | 0 / 75 (0.00%) |  |  |
| occurrences (all)           | 0              |  |  |
| Pyoderma                    |                |  |  |
| subjects affected / exposed | 0 / 75 (0.00%) |  |  |
| occurrences (all)           | 0              |  |  |
| Sinusitis                   |                |  |  |
| subjects affected / exposed | 0 / 75 (0.00%) |  |  |
| occurrences (all)           | 0              |  |  |

## **More information**

### **Substantial protocol amendments (globally)**

Were there any global substantial amendments to the protocol? No

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### **Interruptions (globally)**

Were there any global interruptions to the trial? No

### **Limitations and caveats**

None reported