



## Clinical trial results:

### A randomized, double-blind, placebo controlled multiple dose study of subcutaneous ACZ885 for the treatment of abdominal aortic aneurysm

#### Summary

|                          |                 |
|--------------------------|-----------------|
| EudraCT number           | 2013-002088-25  |
| Trial protocol           | SE NL DK GB DE  |
| Global end of trial date | 21 October 2015 |

#### Results information

|                                |                 |
|--------------------------------|-----------------|
| Result version number          | v1 (current)    |
| This version publication date  | 15 October 2016 |
| First version publication date | 15 October 2016 |

#### Trial information

##### Trial identification

|                       |              |
|-----------------------|--------------|
| Sponsor protocol code | CACZ885X2201 |
|-----------------------|--------------|

##### Additional study identifiers

|                                    |             |
|------------------------------------|-------------|
| ISRCTN number                      | -           |
| ClinicalTrials.gov id (NCT number) | NCT02007252 |
| WHO universal trial number (UTN)   | -           |

Notes:

#### Sponsors

|                              |   |
|------------------------------|---|
| Sponsor organisation name    | Novartis Pharma AG  |
| Sponsor organisation address | CH-4002, Basel, Switzerland,                                  |
| Public contact               | Clinical Disclosure Office, Novartis Pharma AG, 41 613241111, |
| Scientific contact           | Clinical Disclosure Office, Novartis Pharma AG, 41 613241111, |

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                       | 21 October 2015 |
| Is this the analysis of the primary completion data? | No              |

|                                  |                 |
|----------------------------------|-----------------|
| Global end of trial reached?     | Yes             |
| Global end of trial date         | 21 October 2015 |
| Was the trial ended prematurely? | Yes             |

Notes:

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**General information about the trial**

Main objective of the trial:

The primary objective was to assess the effect of ACZ885 on AAA size and growth rate as measured with ultrasound at 12 months.

Protection of trial subjects:

The study was in compliance with the ethical principles derived from the Declaration of Helsinki and the International Conference on Harmonization (ICH) Good Clinical Practice (GCP) guidelines. All the local regulatory requirements pertinent to safety of trial subjects were also followed during the conduct of the trial.

Background therapy: -

Evidence for comparator: -

|   |                  |
|---|------------------|
| Actual start date of recruitment                          | 09 December 2013 |
| Long term follow-up planned                               | No               |
| Independent data monitoring committee (IDMC) involvement? | No               |

Notes:

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**Population of trial subjects**

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**Subjects enrolled per country**

|                                      |                   |
|--------------------------------------|-------------------|
| Country: Number of subjects enrolled | Denmark: 33       |
| Country: Number of subjects enrolled | United Kingdom: 3 |
| Country: Number of subjects enrolled | Netherlands: 7    |
| Country: Number of subjects enrolled | Sweden: 21        |
| Worldwide total number of subjects   | 64                |
| EEA total number of subjects         | 64                |

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)                 | 0  |
| Adults (18-64 years)                      | 10 |

|                     |    |
|---------------------|----|
| From 65 to 84 years | 53 |
| 85 years and over   | 1  |

## Subject disposition

### Recruitment

Recruitment details: -

### Pre-assignment

Screening details:

A total of 65 participants were randomized in a 1:1 ratio to one of the two treatment groups. One participant discontinued prior to taking any study medication. As such, the participant flow is based on 64 randomized participants.

### 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, Monitor, Carer, Data analyst, Assessor |

### Arms

|                              |        |
|------------------------------|--------|
| Are arms mutually exclusive? | Yes    |
| <b>Arm title</b>             | ACZ885 |

Arm description:

Participants received ACZ885 150 mg subcutaneously (s.c.) once per month for 12 months.

|  |                  |
|--|------------------|
| Arm type                               | Experimental     |
| Investigational medicinal product name | ACZ885           |
| Investigational medicinal product code | ACZ885           |
| Other name                             |                  |
| Pharmaceutical forms                   | Injection        |
| Routes of administration               | Subcutaneous use |

Dosage and administration details:

150 mg once per month for 12 months

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

Arm description:

Participants received matching placebo to ACZ885 s.c. once per month for 12 months.

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

Dosage and administration details:

Matching placebo to ACZ885 once per month for 12 months

| <b>Number of subjects in period 1</b> | ACZ885 | Placebo |
|---------------------------------------|--------|---------|
| Started                               | 31     | 33      |
| Safety analysis set                   | 31     | 33      |
| Pharmacodynamic analysis set          | 31     | 33      |
| Completed                             | 20     | 22      |
| Not completed                         | 11     | 11      |
| Abnormal laboratory value(s)          | 1      | -       |
| Adverse event, non-fatal              | 7      | 4       |
| Administrative problems               | 3      | 7       |

## Baseline characteristics

### Reporting groups

|   |         |
|---|---------|
| Reporting group title   | ACZ885  |
| Reporting group description:  |         |
| Participants received ACZ885 150 mg subcutaneously (s.c.) once per month for 12 months. |         |
| Reporting group title   | Placebo |
| Reporting group description:  |         |
| Participants received matching placebo to ACZ885 s.c. once per month for 12 months.     |         |

| Reporting group values                                | ACZ885 | Placebo | Total |
|---|--------|---------|-------|
| Number of subjects                                    | 31     | 33      | 64    |
| Age categorical<br>Units: Subjects                    |        |         |       |
| In utero  | 0      | 0       | 0     |
| Preterm newborn infants<br>(gestational age < 37 wks) | 0      | 0       | 0     |
| Newborns (0-27 days)                                  | 0      | 0       | 0     |
| Infants and toddlers (28 days-23<br>months)           | 0      | 0       | 0     |
| Children (2-11 years)                                 | 0      | 0       | 0     |
| Adolescents (12-17 years)                             | 0      | 0       | 0     |
| Adults (18-64 years)                                  | 6      | 4       | 10    |
| From 65-84 years                                      | 24     | 29      | 53    |
| 85 years and over                                     | 1      | 0       | 1     |
| Age Continuous<br>Units: Years                        |        |         |       |
| arithmetic mean                                       | 69.4   | 70.8    |       |
| standard deviation                                    | ± 7.44 | ± 5.84  | -     |
| Gender, Male/Female<br>Units: Subjects                |        |         |       |
| Female  | 4      | 7       | 11    |
| Male  | 27     | 26      | 53    |

## End points

### End points reporting groups

|   |         |
|---|---------|
| Reporting group title   | ACZ885  |
| Reporting group description:  |         |
| Participants received ACZ885 150 mg subcutaneously (s.c.) once per month for 12 months. |         |
| Reporting group title   | Placebo |
| Reporting group description:  |         |
| Participants received matching placebo to ACZ885 s.c. once per month for 12 months.     |         |

### Primary: Change from baseline (BL) in Abdominal Aortic Aneurysm (AAA) size per year

|   |  |
|---|--|
| End point title   | Change from baseline (BL) in Abdominal Aortic Aneurysm (AAA) size per year |
| End point description:  |  |
| Size of the AAA was determined using an abdominal ultrasound technique at baseline, 3 months, and 12 months after treatment with study drug. Growth rate (in mm/year) was calculated from the change in AAA size compared to baseline |  |
| End point type  | Primary  |
| End point timeframe:  |  |
| month 3, month 12   |  |

| End point values                             | ACZ885                  | Placebo                |  |  |
|--|-------------------------|------------------------|--|--|
| Subject group type                           | Reporting group         | Reporting group        |  |  |
| Number of subjects analysed                  | 31                      | 33                     |  |  |
| Units: millimeter/year                       |                         |                        |  |  |
| least squares mean (confidence interval 90%) |                         |                        |  |  |
| Month 3 (n=23,31)                            | 0.781 (-0.942 to 5.504) | 2.519 (1.03 to 4.008)  |  |  |
| Month 12 (n=20,23)                           | 2.538 (1.465 to 3.612)  | 2.581 (1.612 to 3.549) |  |  |

### Statistical analyses

|   |  |
|---|--|
| Statistical analysis title              | Change from BL in AAA size per year at month 3 |
| Comparison groups                       | ACZ885 v Placebo                               |
| Number of subjects included in analysis | 64   |
| Analysis specification                  | Pre-specified                                  |
| Analysis type                           | superiority                                    |
| P-value                                 | = 0.1037                                       |
| Method                                  | ANCOVA   |

|   |   |
|---|---|
| <b>Statistical analysis title</b>       | Change from BL in AAA size per year at month 12 |
| Comparison groups                       | ACZ885 v Placebo                                |
| Number of subjects included in analysis | 64  |
| Analysis specification                  | Pre-specified                                   |
| Analysis type                           | superiority                                     |
| P-value                                 | = 0.4806  |
| Method                                  | ANCOVA  |



## Adverse events

### Adverse events information

Timeframe for reporting adverse events:

Adverse events are collected from First Patient First Visit (FPFV) until Last Patient Last Visit (LPLV). All adverse events reported in this record are from date of First Patient First Treatment until Last Patient Last Visit.

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

### Dictionary used

|                    |        |
|--------------------|--------|
| Dictionary name    | MedDRA |
| Dictionary version | 18.1   |

### Reporting groups

|                       |               |
|-----------------------|---------------|
| Reporting group title | ACZ885 150 mg |
|-----------------------|---------------|

Reporting group description:

ACZ885 150 mg

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

Reporting group description:

Placebo

| Serious adverse events                            | ACZ885 150 mg  | Placebo        |  |
|---|----------------|----------------|--|
| Total subjects affected by serious adverse events |                |                |  |
| subjects affected / exposed                       | 2 / 31 (6.45%) | 0 / 33 (0.00%) |  |
| number of deaths (all causes)                     | 0              | 0              |  |
| number of deaths resulting from adverse events    | 0              | 0              |  |
| Injury, poisoning and procedural complications    |                |                |  |
| Hip fracture                                      |                |                |  |
| subjects affected / exposed                       | 1 / 31 (3.23%) | 0 / 33 (0.00%) |  |
| occurrences causally related to treatment / all   | 0 / 1          | 0 / 0          |  |
| deaths causally related to treatment / all        | 0 / 0          | 0 / 0          |  |
| Vascular disorders                                |                |                |  |
| Aortic aneurysm                                   |                |                |  |
| subjects affected / exposed                       | 1 / 31 (3.23%) | 0 / 33 (0.00%) |  |
| occurrences causally related to treatment / all   | 0 / 1          | 0 / 0          |  |
| deaths causally related to treatment / all        | 0 / 0          | 0 / 0          |  |

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

| <b>Non-serious adverse events</b>                                   | ACZ885 150 mg    | Placebo          |  |
|---|------------------|------------------|--|
| Total subjects affected by non-serious adverse events               |                  |                  |  |
| subjects affected / exposed   | 28 / 31 (90.32%) | 28 / 33 (84.85%) |  |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) |                  |                  |  |
| Bladder cancer stage 0, with cancer in situ                         |                  |                  |  |
| subjects affected / exposed   | 1 / 31 (3.23%)   | 0 / 33 (0.00%)   |  |
| occurrences (all)   | 1                | 0                |  |
| Vascular disorders  |                  |                  |  |
| Hot flush   |                  |                  |  |
| subjects affected / exposed   | 0 / 31 (0.00%)   | 1 / 33 (3.03%)   |  |
| occurrences (all)   | 0                | 1                |  |
| Hypertension  |                  |                  |  |
| subjects affected / exposed   | 4 / 31 (12.90%)  | 3 / 33 (9.09%)   |  |
| occurrences (all)   | 4                | 3                |  |
| Aortic aneurysm   |                  |                  |  |
| subjects affected / exposed   | 1 / 31 (3.23%)   | 2 / 33 (6.06%)   |  |
| occurrences (all)   | 1                | 2                |  |
| Intermittent claudication   |                  |                  |  |
| subjects affected / exposed   | 1 / 31 (3.23%)   | 0 / 33 (0.00%)   |  |
| occurrences (all)   | 1                | 0                |  |
| Thrombophlebitis  |                  |                  |  |
| subjects affected / exposed   | 1 / 31 (3.23%)   | 0 / 33 (0.00%)   |  |
| occurrences (all)   | 1                | 0                |  |
| General disorders and administration site conditions                |                  |                  |  |
| Energy increased  |                  |                  |  |
| subjects affected / exposed   | 1 / 31 (3.23%)   | 0 / 33 (0.00%)   |  |
| occurrences (all)   | 1                | 0                |  |
| Fatigue   |                  |                  |  |
| subjects affected / exposed   | 2 / 31 (6.45%)   | 0 / 33 (0.00%)   |  |
| occurrences (all)   | 2                | 0                |  |
| Injection site hypersensitivity                                     |                  |                  |  |
| subjects affected / exposed   | 1 / 31 (3.23%)   | 0 / 33 (0.00%)   |  |
| occurrences (all)   | 1                | 0                |  |
| Influenza like illness  |                  |                  |  |

|  |                     |                      |  |
|--|---------------------|----------------------|--|
| subjects affected / exposed<br>occurrences (all)   | 0 / 31 (0.00%)<br>0 | 1 / 33 (3.03%)<br>1  |  |
| Impaired healing<br>subjects affected / exposed<br>occurrences (all)   | 1 / 31 (3.23%)<br>1 | 1 / 33 (3.03%)<br>1  |  |
| Injection site pain<br>subjects affected / exposed<br>occurrences (all)  | 1 / 31 (3.23%)<br>1 | 1 / 33 (3.03%)<br>1  |  |
| Oedema peripheral<br>subjects affected / exposed<br>occurrences (all)  | 0 / 31 (0.00%)<br>0 | 4 / 33 (12.12%)<br>5 |  |
| Malaise<br>subjects affected / exposed<br>occurrences (all)  | 1 / 31 (3.23%)<br>1 | 0 / 33 (0.00%)<br>0  |  |
| Injection site swelling<br>subjects affected / exposed<br>occurrences (all)  | 3 / 31 (9.68%)<br>4 | 2 / 33 (6.06%)<br>3  |  |
| Reproductive system and breast disorders<br>Breast cyst<br>subjects affected / exposed<br>occurrences (all)                                  | 1 / 31 (3.23%)<br>1 | 0 / 33 (0.00%)<br>0  |  |
| Respiratory, thoracic and mediastinal disorders<br>Chronic obstructive pulmonary disease<br>subjects affected / exposed<br>occurrences (all) | 1 / 31 (3.23%)<br>1 | 2 / 33 (6.06%)<br>2  |  |
| Cough<br>subjects affected / exposed<br>occurrences (all)  | 3 / 31 (9.68%)<br>3 | 1 / 33 (3.03%)<br>1  |  |
| Oropharyngeal pain<br>subjects affected / exposed<br>occurrences (all)   | 0 / 31 (0.00%)<br>0 | 1 / 33 (3.03%)<br>1  |  |
| Haemoptysis<br>subjects affected / exposed<br>occurrences (all)  | 0 / 31 (0.00%)<br>0 | 1 / 33 (3.03%)<br>1  |  |
| Epistaxis  |                     |                      |  |

|  |                |                |  |
|--|----------------|----------------|--|
| subjects affected / exposed                    | 1 / 31 (3.23%) | 0 / 33 (0.00%) |  |
| occurrences (all)                              | 1              | 0              |  |
| Dyspnoea                                       |                |                |  |
| subjects affected / exposed                    | 0 / 31 (0.00%) | 1 / 33 (3.03%) |  |
| occurrences (all)                              | 0              | 1              |  |
| Psychiatric disorders                          |                |                |  |
| Depression                                     |                |                |  |
| subjects affected / exposed                    | 1 / 31 (3.23%) | 0 / 33 (0.00%) |  |
| occurrences (all)                              | 1              | 0              |  |
| Insomnia                                       |                |                |  |
| subjects affected / exposed                    | 1 / 31 (3.23%) | 1 / 33 (3.03%) |  |
| occurrences (all)                              | 1              | 1              |  |
| Investigations                                 |                |                |  |
| Alanine aminotransferase increased             |                |                |  |
| subjects affected / exposed                    | 0 / 31 (0.00%) | 2 / 33 (6.06%) |  |
| occurrences (all)                              | 0              | 2              |  |
| Aspartate aminotransferase increased           |                |                |  |
| subjects affected / exposed                    | 0 / 31 (0.00%) | 2 / 33 (6.06%) |  |
| occurrences (all)                              | 0              | 2              |  |
| Blood creatinine increased                     |                |                |  |
| subjects affected / exposed                    | 1 / 31 (3.23%) | 0 / 33 (0.00%) |  |
| occurrences (all)                              | 1              | 0              |  |
| Blood glucose increased                        |                |                |  |
| subjects affected / exposed                    | 0 / 31 (0.00%) | 1 / 33 (3.03%) |  |
| occurrences (all)                              | 0              | 1              |  |
| International normalised ratio increased       |                |                |  |
| subjects affected / exposed                    | 1 / 31 (3.23%) | 0 / 33 (0.00%) |  |
| occurrences (all)                              | 1              | 0              |  |
| Occult blood positive                          |                |                |  |
| subjects affected / exposed                    | 2 / 31 (6.45%) | 0 / 33 (0.00%) |  |
| occurrences (all)                              | 2              | 0              |  |
| Prostatic specific antigen increased           |                |                |  |
| subjects affected / exposed                    | 0 / 31 (0.00%) | 1 / 33 (3.03%) |  |
| occurrences (all)                              | 0              | 1              |  |
| Injury, poisoning and procedural complications |                |                |  |

|                                      |                |                |  |
|--------------------------------------|----------------|----------------|--|
| Contusion                            |                |                |  |
| subjects affected / exposed          | 1 / 31 (3.23%) | 1 / 33 (3.03%) |  |
| occurrences (all)                    | 1              | 1              |  |
| Foot fracture                        |                |                |  |
| subjects affected / exposed          | 0 / 31 (0.00%) | 1 / 33 (3.03%) |  |
| occurrences (all)                    | 0              | 1              |  |
| Ligament sprain                      |                |                |  |
| subjects affected / exposed          | 1 / 31 (3.23%) | 1 / 33 (3.03%) |  |
| occurrences (all)                    | 1              | 1              |  |
| Wound                                |                |                |  |
| subjects affected / exposed          | 0 / 31 (0.00%) | 1 / 33 (3.03%) |  |
| occurrences (all)                    | 0              | 1              |  |
| Cardiac disorders                    |                |                |  |
| Atrial fibrillation                  |                |                |  |
| subjects affected / exposed          | 2 / 31 (6.45%) | 0 / 33 (0.00%) |  |
| occurrences (all)                    | 2              | 0              |  |
| Angina pectoris                      |                |                |  |
| subjects affected / exposed          | 0 / 31 (0.00%) | 2 / 33 (6.06%) |  |
| occurrences (all)                    | 0              | 2              |  |
| Atrioventricular block second degree |                |                |  |
| subjects affected / exposed          | 0 / 31 (0.00%) | 1 / 33 (3.03%) |  |
| occurrences (all)                    | 0              | 1              |  |
| Nervous system disorders             |                |                |  |
| Amnesia                              |                |                |  |
| subjects affected / exposed          | 1 / 31 (3.23%) | 0 / 33 (0.00%) |  |
| occurrences (all)                    | 1              | 0              |  |
| Dizziness                            |                |                |  |
| subjects affected / exposed          | 0 / 31 (0.00%) | 1 / 33 (3.03%) |  |
| occurrences (all)                    | 0              | 1              |  |
| Headache                             |                |                |  |
| subjects affected / exposed          | 2 / 31 (6.45%) | 0 / 33 (0.00%) |  |
| occurrences (all)                    | 2              | 0              |  |
| Transient ischaemic attack           |                |                |  |
| subjects affected / exposed          | 1 / 31 (3.23%) | 0 / 33 (0.00%) |  |
| occurrences (all)                    | 1              | 0              |  |
| Syncope                              |                |                |  |

|   |                     |                     |  |
|---|---------------------|---------------------|--|
| subjects affected / exposed<br>occurrences (all)  | 1 / 31 (3.23%)<br>1 | 0 / 33 (0.00%)<br>0 |  |
| Sciatica<br>subjects affected / exposed<br>occurrences (all)  | 1 / 31 (3.23%)<br>1 | 1 / 33 (3.03%)<br>1 |  |
| Blood and lymphatic system disorders<br>Anaemia<br>subjects affected / exposed<br>occurrences (all) | 1 / 31 (3.23%)<br>1 | 0 / 33 (0.00%)<br>0 |  |
| Eye disorders<br>Cataract<br>subjects affected / exposed<br>occurrences (all)                       | 0 / 31 (0.00%)<br>0 | 1 / 33 (3.03%)<br>1 |  |
| Gastrointestinal disorders<br>Gastric ulcer<br>subjects affected / exposed<br>occurrences (all)     | 0 / 31 (0.00%)<br>0 | 1 / 33 (3.03%)<br>1 |  |
| Diarrhoea<br>subjects affected / exposed<br>occurrences (all)                                       | 1 / 31 (3.23%)<br>1 | 1 / 33 (3.03%)<br>1 |  |
| Abdominal pain upper<br>subjects affected / exposed<br>occurrences (all)                            | 2 / 31 (6.45%)<br>2 | 0 / 33 (0.00%)<br>0 |  |
| Abdominal pain<br>subjects affected / exposed<br>occurrences (all)                                  | 3 / 31 (9.68%)<br>3 | 1 / 33 (3.03%)<br>1 |  |
| Vomiting<br>subjects affected / exposed<br>occurrences (all)  | 0 / 31 (0.00%)<br>0 | 1 / 33 (3.03%)<br>1 |  |
| Oesophagitis<br>subjects affected / exposed<br>occurrences (all)                                    | 0 / 31 (0.00%)<br>0 | 1 / 33 (3.03%)<br>1 |  |
| Nausea<br>subjects affected / exposed<br>occurrences (all)  | 1 / 31 (3.23%)<br>1 | 0 / 33 (0.00%)<br>0 |  |
| Haematochezia   |                     |                     |  |

|   |                 |                |  |
|---|-----------------|----------------|--|
| subjects affected / exposed                     | 0 / 31 (0.00%)  | 1 / 33 (3.03%) |  |
| occurrences (all)                               | 0               | 1              |  |
| Gastroesophageal reflux disease                 |                 |                |  |
| subjects affected / exposed                     | 0 / 31 (0.00%)  | 2 / 33 (6.06%) |  |
| occurrences (all)                               | 0               | 2              |  |
| Skin and subcutaneous tissue disorders          |                 |                |  |
| Night sweats                                    |                 |                |  |
| subjects affected / exposed                     | 1 / 31 (3.23%)  | 0 / 33 (0.00%) |  |
| occurrences (all)                               | 1               | 0              |  |
| Blister   |                 |                |  |
| subjects affected / exposed                     | 1 / 31 (3.23%)  | 0 / 33 (0.00%) |  |
| occurrences (all)                               | 1               | 0              |  |
| Telangiectasia                                  |                 |                |  |
| subjects affected / exposed                     | 1 / 31 (3.23%)  | 0 / 33 (0.00%) |  |
| occurrences (all)                               | 1               | 0              |  |
| Renal and urinary disorders                     |                 |                |  |
| Urinary retention                               |                 |                |  |
| subjects affected / exposed                     | 1 / 31 (3.23%)  | 1 / 33 (3.03%) |  |
| occurrences (all)                               | 1               | 1              |  |
| Musculoskeletal and connective tissue disorders |                 |                |  |
| Arthralgia                                      |                 |                |  |
| subjects affected / exposed                     | 2 / 31 (6.45%)  | 2 / 33 (6.06%) |  |
| occurrences (all)                               | 2               | 2              |  |
| Back pain                                       |                 |                |  |
| subjects affected / exposed                     | 4 / 31 (12.90%) | 3 / 33 (9.09%) |  |
| occurrences (all)                               | 4               | 3              |  |
| Groin pain                                      |                 |                |  |
| subjects affected / exposed                     | 1 / 31 (3.23%)  | 0 / 33 (0.00%) |  |
| occurrences (all)                               | 1               | 0              |  |
| Musculoskeletal pain                            |                 |                |  |
| subjects affected / exposed                     | 1 / 31 (3.23%)  | 0 / 33 (0.00%) |  |
| occurrences (all)                               | 1               | 0              |  |
| Myalgia   |                 |                |  |
| subjects affected / exposed                     | 1 / 31 (3.23%)  | 1 / 33 (3.03%) |  |
| occurrences (all)                               | 2               | 2              |  |
| Osteoarthritis                                  |                 |                |  |

|                             |                 |                |  |
|-----------------------------|-----------------|----------------|--|
| subjects affected / exposed | 1 / 31 (3.23%)  | 0 / 33 (0.00%) |  |
| occurrences (all)           | 1               | 0              |  |
| Osteoporosis                |                 |                |  |
| subjects affected / exposed | 1 / 31 (3.23%)  | 0 / 33 (0.00%) |  |
| occurrences (all)           | 1               | 0              |  |
| Pain in extremity           |                 |                |  |
| subjects affected / exposed | 0 / 31 (0.00%)  | 1 / 33 (3.03%) |  |
| occurrences (all)           | 0               | 1              |  |
| Infections and infestations |                 |                |  |
| Erysipelas                  |                 |                |  |
| subjects affected / exposed | 1 / 31 (3.23%)  | 0 / 33 (0.00%) |  |
| occurrences (all)           | 1               | 0              |  |
| Gastroenteritis             |                 |                |  |
| subjects affected / exposed | 0 / 31 (0.00%)  | 1 / 33 (3.03%) |  |
| occurrences (all)           | 0               | 1              |  |
| Influenza                   |                 |                |  |
| subjects affected / exposed | 0 / 31 (0.00%)  | 1 / 33 (3.03%) |  |
| occurrences (all)           | 0               | 1              |  |
| Tooth infection             |                 |                |  |
| subjects affected / exposed | 0 / 31 (0.00%)  | 1 / 33 (3.03%) |  |
| occurrences (all)           | 0               | 1              |  |
| Sinusitis                   |                 |                |  |
| subjects affected / exposed | 1 / 31 (3.23%)  | 0 / 33 (0.00%) |  |
| occurrences (all)           | 1               | 0              |  |
| Rhinitis                    |                 |                |  |
| subjects affected / exposed | 2 / 31 (6.45%)  | 1 / 33 (3.03%) |  |
| occurrences (all)           | 2               | 1              |  |
| Respiratory tract infection |                 |                |  |
| subjects affected / exposed | 0 / 31 (0.00%)  | 1 / 33 (3.03%) |  |
| occurrences (all)           | 0               | 1              |  |
| Pneumonia                   |                 |                |  |
| subjects affected / exposed | 2 / 31 (6.45%)  | 1 / 33 (3.03%) |  |
| occurrences (all)           | 3               | 1              |  |
| Nasopharyngitis             |                 |                |  |
| subjects affected / exposed | 5 / 31 (16.13%) | 3 / 33 (9.09%) |  |
| occurrences (all)           | 8               | 5              |  |



|   |                     |                     |  |
|---|---------------------|---------------------|--|
| Upper respiratory tract infection<br>subjects affected / exposed<br>occurrences (all) | 2 / 31 (6.45%)<br>2 | 1 / 33 (3.03%)<br>1 |  |
| Vestibular neuronitis<br>subjects affected / exposed<br>occurrences (all)             | 1 / 31 (3.23%)<br>1 | 0 / 33 (0.00%)<br>0 |  |
| Urinary tract infection<br>subjects affected / exposed<br>occurrences (all)           | 2 / 31 (6.45%)<br>2 | 1 / 33 (3.03%)<br>1 |  |
| Metabolism and nutrition disorders  |                     |                     |  |
| Diabetes mellitus<br>subjects affected / exposed<br>occurrences (all)                 | 0 / 31 (0.00%)<br>0 | 1 / 33 (3.03%)<br>1 |  |
| Hyperlipidaemia<br>subjects affected / exposed<br>occurrences (all)                   | 1 / 31 (3.23%)<br>1 | 0 / 33 (0.00%)<br>0 |  |
| Hypercholesterolaemia<br>subjects affected / exposed<br>occurrences (all)             | 1 / 31 (3.23%)<br>1 | 2 / 33 (6.06%)<br>2 |  |

## More information

### Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date             | Amendment   |
|------------------|---|
| 19 November 2013 | The primary purpose of this protocol amendment was to clarify the exclusion criteria for patients with immune disorders or thrombocytopenia. An exclusion criterion was added to prevent patients with neutropenia, leukopenia, or thrombocytopenia from entering the study. Also, the individual stopping rules within this study have been modified to reflect this criterion. The other modifications were provided below: 1. A greater clarification was provided regarding the use of clopidogrel in patients with vascular stents. Specific language was added to allow the use of clopidogrel in this situation. 2. At sites in the USA where CT scans were performed, the use of historical CT scans was proposed in order to reduce the radiation exposure to patients who had recently undergone an abdominal CT scan prior to their entry into this clinical trial. The protocol was modified to allow the use of an abdominal CT scan obtained within 60 days of first dose to be used in place of the Screening CT scan. 3. Additional details regarding the planned statistical analysis of trial data were added and a few typographical inconsistencies in the protocol were corrected. |

Notes:

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### Interruptions (globally)

Were there any global interruptions to the trial? No

### Limitations and caveats

Limitations of the trial such as small numbers of subjects analysed or technical problems leading to unreliable data.

This study was terminated prematurely because the results of a third interim analysis (ad hoc) indicated a lack of efficacy and futility in continuing the trial.

Notes: