



## Clinical trial results:

### A Phase I, Randomised, Open-Label, Multi-National Study to Evaluate the Pharmacokinetics of Repeated Once-Daily Intravenous Doses of Esomeprazole in Paediatric Patients 0 to 17 Years Old, Inclusive

#### Summary

|                          |                         |
|--------------------------|-------------------------|
| EudraCT number           | 2007-000628-41          |
| Trial protocol           | SE HU BE Outside EU/EEA |
| Global end of trial date | 23 February 2010        |

#### Results information

|                                |                  |
|--------------------------------|------------------|
| Result version number          | v1 (current)     |
| This version publication date  | 01 February 2017 |
| First version publication date | 06 August 2015   |

#### Trial information

##### Trial identification

|                       |             |
|-----------------------|-------------|
| Sponsor protocol code | D9615C00021 |
|-----------------------|-------------|

##### Additional study identifiers

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

Notes:

#### Sponsors

|                              |  |
|------------------------------|--|
| Sponsor organisation name    | AstraZeneca LP   |
| Sponsor organisation address | 1800 Concord Pike, Wilmington, DE, United States, 19850  |
| Public contact               | AZ Clinical Trial Transparency group, AstraZeneca R&D, ClinicalTrialTransparency@astrazeneca.com |
| Scientific contact           | Kurt Brown, MD, AstraZeneca LP, 1 302-885-0954,  |

Notes:

#### Paediatric regulatory details

|  |                     |
|--|---------------------|
| Is trial part of an agreed paediatric investigation plan (PIP)       | Yes                 |
| EMA paediatric investigation plan number(s)                          | EMA-000331-PIP01-08 |
| Does article 45 of REGULATION (EC) No 1901/2006 apply to this trial? | No                  |
| Does article 46 of REGULATION (EC) No 1901/2006 apply to this trial? | No                  |

Notes:

## Results analysis stage

|  |                  |
|--|------------------|
| Analysis stage                                       | Final            |
| Date of interim/final analysis                       | 23 February 2010 |
| Is this the analysis of the primary completion data? | Yes              |
| Primary completion date                              | 23 February 2010 |
| Global end of trial reached?                         | Yes              |
| Global end of trial date                             | 23 February 2010 |
| Was the trial ended prematurely?                     | No               |

Notes:

## General information about the trial

Main objective of the trial:

The primary objective of the study was to evaluate the pharmacokinetics of repeated doses of esomeprazole given as a once daily (qd) injection over 3 minutes in pediatric patients 0 to 17 years old, inclusive, by assessment of the total area under the plasma concentration versus time curve within a dosing interval (AUC<sub>T</sub>) on Day 4 of the study based on population PK modeling.

Protection of trial subjects:

This study was performed in accordance with the ethical principles that have their origin in the Declaration of Helsinki and that are consistent with International Conference on Harmonisation (ICH)/Good Clinical Practice (GCP) and applicable regulatory requirements and the AstraZeneca policy on Bioethics. The final clinical study protocol (CSP), including the final version of the Informed Consent Form, was approved by an Institutional Review Board (IRB) associated with each study center. The principal investigator at each center was to ensure that the patient and patient's parent/guardian was given full and adequate oral and written information about the nature, purpose, possible risk, and benefit of the study. The patient and the patient's parent/guardian were also to be notified that they were free to discontinue his/her child from the study at any time. The patient and patient's parent/guardian were to be given the opportunity to ask questions and were allowed time to consider the information provided.

The patient's signed and dated assent (if appropriate) and the patient's parent/guardian's signed and dated informed consent had to be obtained before conducting any procedure specifically for the study. Patients could be discontinued from study treatment and assessments at any time at the discretion of the investigator(s).

Background therapy:

The study included patients who were considered, in the judgment of the investigator, to be a candidate for acid suppression therapy.

Concomitant use of other PPIs were allowed up to but not including the day of randomization.

Evidence for comparator:

No comparator

|   |                 |
|---|-----------------|
| Actual start date of recruitment                          | 13 October 2007 |
| Long term follow-up planned                               | No              |
| Independent data monitoring committee (IDMC) involvement? | No              |

Notes:

## Population of trial subjects

### Subjects enrolled per country

|                                      |                   |
|--------------------------------------|-------------------|
| Country: Number of subjects enrolled | Australia: 15     |
| Country: Number of subjects enrolled | Hungary: 10       |
| Country: Number of subjects enrolled | Sweden: 7         |
| Country: Number of subjects enrolled | United States: 27 |
| Worldwide total number of subjects   | 59                |
| EEA total number of subjects         | 17                |

Notes:

| <b>Subjects enrolled per age group</b>    |    |
|---|----|
| In utero                                  | 0  |
| Preterm newborn - gestational age < 37 wk | 4  |
| Newborns (0-27 days)                      | 3  |
| Infants and toddlers (28 days-23 months)  | 11 |
| Children (2-11 years)                     | 23 |
| Adolescents (12-17 years)                 | 18 |
| Adults (18-64 years)                      | 0  |
| From 65 to 84 years                       | 0  |
| 85 years and over                         | 0  |

## Subject disposition

### Recruitment

Recruitment details:

First subject enrolled: 13 October 2007

Last subject last visit: 20 October 2009

### Pre-assignment

Screening details:

62 patients screened , 3 patients failed to be eligible (did not meet inclusion/exclusion criteria) and were not randomized.

Of the 59 randomised subjects, two subjects ( 1 newborn gestational age 32 weeks, and 1 adolescent 13 years old) were never dosed.

Note:

Safety population N=57

PK evaluable N=50;

### Period 1

|                              |                          |
|------------------------------|--------------------------|
| Period 1 title               | Randomized Dosing period |
| Is this the baseline period? | Yes                      |
| Allocation method            | Randomised - controlled  |
| Blinding used                | Single blind             |
| Roles blinded                | Subject                  |

Blinding implementation details:

Single Blind

### Arms

|                              |                        |
|------------------------------|------------------------|
| Are arms mutually exclusive? | Yes                    |
| <b>Arm title</b>             | 0 - 1 month, 0.5 mg/kg |

Arm description:

Zero to one month old subjects dosed at 0.5 mg/kg

|  |                      |
|--|----------------------|
| Arm type                               | Experimental         |
| Investigational medicinal product name | Esomeprazole sodium  |
| Investigational medicinal product code |                      |
| Other name                             |                      |
| Pharmaceutical forms                   | Powder for injection |
| Routes of administration               | Intravenous use      |

Dosage and administration details:

IV administration

|                  |                        |
|------------------|------------------------|
| <b>Arm title</b> | 1 - 11 months, 1 mg/kg |
|------------------|------------------------|

Arm description:

1 to 11 month old subjects dosed at 1 mg/kg

|  |                      |
|--|----------------------|
| Arm type                               | Experimental         |
| Investigational medicinal product name | Esomeprazole sodium  |
| Investigational medicinal product code |                      |
| Other name                             |                      |
| Pharmaceutical forms                   | Powder for injection |
| Routes of administration               | Intravenous use      |

Dosage and administration details:

IV administration

|                  |                    |
|------------------|--------------------|
| <b>Arm title</b> | 1 - 5 years, 10 mg |
|------------------|--------------------|

|  |                      |
|--|----------------------|
| Arm description:                         |                      |
| 1 to 5 year olds dosed at 10 mg          |                      |
| Arm type                                 | Experimental         |
| Investigational medicinal product name   | Esomeprazole sodium  |
| Investigational medicinal product code   |                      |
| Other name                               |                      |
| Pharmaceutical forms                     | Powder for injection |
| Routes of administration                 | Intravenous use      |
| Dosage and administration details:       |                      |
| IV administration                        |                      |
| <b>Arm title</b>                         | 6 - 11 years, 10 mg  |
| Arm description:                         |                      |
| 6 to 11 year old subjects dosed at 10 mg |                      |
| Arm type                                 | Experimental         |
| Investigational medicinal product name   | Esomeprazole sodium  |
| Investigational medicinal product code   |                      |
| Other name                               |                      |
| Pharmaceutical forms                     | Powder for injection |
| Routes of administration                 | Intravenous use      |
| Dosage and administration details:       |                      |
| IV administration                        |                      |
| <b>Arm title</b>                         | 6 - 11 years, 20 mg  |
| Arm description:                         |                      |
| 6 to 11 year olds dosed at 20 mg         |                      |
| Arm type                                 | Experimental         |
| Investigational medicinal product name   | Esomeprazole sodium  |
| Investigational medicinal product code   |                      |
| Other name                               |                      |
| Pharmaceutical forms                     | Powder for injection |
| Routes of administration                 | Intravenous use      |
| Dosage and administration details:       |                      |
| IV administration                        |                      |
| <b>Arm title</b>                         | 12 - 17 years, 20 mg |
| Arm description:                         |                      |
| 12 to 17 year olds dosed at 20 mg        |                      |
| Arm type                                 | Experimental         |
| Investigational medicinal product name   | Esomeprazole sodium  |
| Investigational medicinal product code   |                      |
| Other name                               |                      |
| Pharmaceutical forms                     | Powder for injection |
| Routes of administration                 | Intravenous use      |
| Dosage and administration details:       |                      |
| IV administration                        |                      |
| <b>Arm title</b>                         | 12 - 17 years, 40 mg |
| Arm description:                         |                      |
| 12 to 17 year olds dosed at 40 mg        |                      |
| Arm type                                 | Experimental         |

|  |                      |
|--|----------------------|
| Investigational medicinal product name | Esomeprazole sodium  |
| Investigational medicinal product code |                      |
| Other name                             |                      |
| Pharmaceutical forms                   | Powder for injection |
| Routes of administration               | Intravenous use      |
| Dosage and administration details:     |                      |
| IV administration                      |                      |

| Number of subjects in period 1 <sup>[1]</sup> | 0 - 1 month, 0.5 mg/kg | 1 - 11 months, 1 mg/kg | 1 - 5 years, 10 mg |
|---|------------------------|------------------------|--------------------|
| Started                                       | 6                      | 9                      | 8                  |
| Completed                                     | 6                      | 8                      | 7                  |
| Not completed                                 | 0                      | 1                      | 1                  |
| Adverse event, non-fatal                      | -                      | -                      | 1                  |
| Not specified                                 | -                      | 1                      | -                  |

| Number of subjects in period 1 <sup>[1]</sup> | 6 - 11 years, 10 mg | 6 - 11 years, 20 mg | 12 - 17 years, 20 mg |
|---|---------------------|---------------------|----------------------|
| Started                                       | 8                   | 9                   | 8                    |
| Completed                                     | 8                   | 7                   | 6                    |
| Not completed                                 | 0                   | 2                   | 2                    |
| Adverse event, non-fatal                      | -                   | 1                   | -                    |
| Not specified                                 | -                   | 1                   | 2                    |

| Number of subjects in period 1 <sup>[1]</sup> | 12 - 17 years, 40 mg |
|---|----------------------|
| Started                                       | 9                    |
| Completed                                     | 8                    |
| Not completed                                 | 1                    |
| Adverse event, non-fatal                      | -                    |
| Not specified                                 | 1                    |

Notes:

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

Justification: Of the 59 randomised subjects, two subjects ( 1 newborn gestational age 32 weeks, and 1 adolescent 13 years old) were never dosed. Thus, the number of subjects in the baseline period (ITT) is 57 while the worldwide number enrolled is 59.

## Period 2

|                              |                            |
|------------------------------|----------------------------|
| Period 2 title               | Pharmacokinetic Evaluation |
| Is this the baseline period? | No                         |
| Allocation method            | Randomised - controlled    |
| Blinding used                | Single blind               |
| Roles blinded                | Subject                    |

Blinding implementation details:

Single Blind

## Arms

|                              |     |
|------------------------------|-----|
| Are arms mutually exclusive? | Yes |
|------------------------------|-----|

|                  |                        |
|------------------|------------------------|
| <b>Arm title</b> | 0 - 1 month, 0.5 mg/kg |
|------------------|------------------------|

Arm description:

Zero to one month old subjects dosed at 0.5 mg/kg

|          |              |
|----------|--------------|
| Arm type | Experimental |
|----------|--------------|

|  |                     |
|--|---------------------|
| Investigational medicinal product name | Esomeprazole sodium |
|--|---------------------|

|  |  |
|--|--|
| Investigational medicinal product code |  |
|--|--|

|            |  |
|------------|--|
| Other name |  |
|------------|--|

|                      |                      |
|----------------------|----------------------|
| Pharmaceutical forms | Powder for injection |
|----------------------|----------------------|

|                          |                 |
|--------------------------|-----------------|
| Routes of administration | Intravenous use |
|--------------------------|-----------------|

Dosage and administration details:

IV administration

|                  |                        |
|------------------|------------------------|
| <b>Arm title</b> | 1 - 11 months, 1 mg/kg |
|------------------|------------------------|

Arm description:

1 to 11 month old subjects dosed at 1 mg/kg

|          |              |
|----------|--------------|
| Arm type | Experimental |
|----------|--------------|

|  |                     |
|--|---------------------|
| Investigational medicinal product name | Esomeprazole sodium |
|--|---------------------|

|  |  |
|--|--|
| Investigational medicinal product code |  |
|--|--|

|            |  |
|------------|--|
| Other name |  |
|------------|--|

|                      |                      |
|----------------------|----------------------|
| Pharmaceutical forms | Powder for injection |
|----------------------|----------------------|

|                          |                 |
|--------------------------|-----------------|
| Routes of administration | Intravenous use |
|--------------------------|-----------------|

Dosage and administration details:

IV

|                  |                    |
|------------------|--------------------|
| <b>Arm title</b> | 1 - 5 years, 10 mg |
|------------------|--------------------|

Arm description:

1 to 5 year olds dosed at 10 mg

|          |              |
|----------|--------------|
| Arm type | Experimental |
|----------|--------------|

|  |                     |
|--|---------------------|
| Investigational medicinal product name | Esomeprazole sodium |
|--|---------------------|

|  |  |
|--|--|
| Investigational medicinal product code |  |
|--|--|

|            |  |
|------------|--|
| Other name |  |
|------------|--|

|                      |                                   |
|----------------------|-----------------------------------|
| Pharmaceutical forms | Powder for solution for injection |
|----------------------|-----------------------------------|

|                          |                 |
|--------------------------|-----------------|
| Routes of administration | Intravenous use |
|--------------------------|-----------------|

Dosage and administration details:

IV

|                  |                     |
|------------------|---------------------|
| <b>Arm title</b> | 6 - 11 years, 10 mg |
|------------------|---------------------|

Arm description:

6 to 11 year old subjects dosed at 10 mg

|          |              |
|----------|--------------|
| Arm type | Experimental |
|----------|--------------|

|  |              |
|--|--------------|
| Investigational medicinal product name | Esomeprazole |
|--|--------------|

|  |  |
|--|--|
| Investigational medicinal product code |  |
|--|--|

|            |  |
|------------|--|
| Other name |  |
|------------|--|

|                      |                      |
|----------------------|----------------------|
| Pharmaceutical forms | Powder for injection |
|----------------------|----------------------|

|                          |                 |
|--------------------------|-----------------|
| Routes of administration | Intravenous use |
|--------------------------|-----------------|

Dosage and administration details:

IV

|                  |                     |
|------------------|---------------------|
| <b>Arm title</b> | 6 - 11 years, 20 mg |
|------------------|---------------------|

Arm description:

6 to 11 year olds dosed at 20 mg

|          |              |
|----------|--------------|
| Arm type | Experimental |
|----------|--------------|

|  |                      |
|--|----------------------|
| Investigational medicinal product name | Esomeprazole sodium  |
| Investigational medicinal product code |                      |
| Other name                             |                      |
| Pharmaceutical forms                   | Powder for injection |
| Routes of administration               | Intravenous use      |

Dosage and administration details:

IV

|                  |                      |
|------------------|----------------------|
| <b>Arm title</b> | 12 - 17 years, 20 mg |
|------------------|----------------------|

Arm description:

12 to 17 year olds dosed at 20 mg

|  |                      |
|--|----------------------|
| Arm type                               | Experimental         |
| Investigational medicinal product name | Esomeprazole sodium  |
| Investigational medicinal product code |                      |
| Other name                             |                      |
| Pharmaceutical forms                   | Powder for injection |
| Routes of administration               | Intravenous use      |

Dosage and administration details:

IV

|                  |                      |
|------------------|----------------------|
| <b>Arm title</b> | 12 - 17 years, 40 mg |
|------------------|----------------------|

Arm description:

12 to 17 year olds dosed at 40 mg

|  |                      |
|--|----------------------|
| Arm type                               | Experimental         |
| Investigational medicinal product name | Esomeprazole sodium  |
| Investigational medicinal product code |                      |
| Other name                             |                      |
| Pharmaceutical forms                   | Powder for injection |
| Routes of administration               | Intravenous use      |

Dosage and administration details:

IV

| <b>Number of subjects in period 2</b> | 0 - 1 month, 0.5 mg/kg | 1 - 11 months, 1 mg/kg | 1 - 5 years, 10 mg |
|---------------------------------------|------------------------|------------------------|--------------------|
| Started                               | 6                      | 7                      | 7                  |
| Completed                             | 6                      | 7                      | 7                  |

| <b>Number of subjects in period 2</b> | 6 - 11 years, 10 mg | 6 - 11 years, 20 mg | 12 - 17 years, 20 mg |
|---------------------------------------|---------------------|---------------------|----------------------|
| Started                               | 8                   | 8                   | 6                    |
| Completed                             | 8                   | 8                   | 6                    |

| <b>Number of subjects in period 2</b> | 12 - 17 years, 40 mg |
|---------------------------------------|----------------------|
| Started                               | 8                    |
| Completed                             | 8                    |





## Baseline characteristics

### Reporting groups

|   |                        |
|---|------------------------|
| Reporting group title   | 0 - 1 month, 0.5 mg/kg |
| Reporting group description:<br>Zero to one month old subjects dosed at 0.5 mg/kg |                        |
| Reporting group title   | 1 - 11 months, 1 mg/kg |
| Reporting group description:<br>1 to 11 month old subjects dosed at 1 mg/kg       |                        |
| Reporting group title   | 1 - 5 years, 10 mg     |
| Reporting group description:<br>1 to 5 year olds dosed at 10 mg                   |                        |
| Reporting group title   | 6 - 11 years, 10 mg    |
| Reporting group description:<br>6 to 11 year old subjects dosed at 10 mg          |                        |
| Reporting group title   | 6 - 11 years, 20 mg    |
| Reporting group description:<br>6 to 11 year olds dosed at 20 mg                  |                        |
| Reporting group title   | 12 - 17 years, 20 mg   |
| Reporting group description:<br>12 to 17 year olds dosed at 20 mg                 |                        |
| Reporting group title   | 12 - 17 years, 40 mg   |
| Reporting group description:<br>12 to 17 year olds dosed at 40 mg                 |                        |

| Reporting group values   | 0 - 1 month, 0.5 mg/kg | 1 - 11 months, 1 mg/kg | 1 - 5 years, 10 mg |
|--|------------------------|------------------------|--------------------|
| Number of subjects   | 6                      | 9                      | 8                  |
| Age Categorical  |                        |                        |                    |
| Subjects in Pharmacokinetic data set                                   |                        |                        |                    |
| Units: Subjects  |                        |                        |                    |
| Newborns (0-27 days)   | 4                      | 0                      | 0                  |
| Infants and toddlers (28 days-23 months)                               | 2                      | 9                      | 2                  |
| Children (2-11 years)  | 0                      | 0                      | 6                  |
| Adolescents (12-17 years)  | 0                      | 0                      | 0                  |
| Age Continuous   |                        |                        |                    |
| Median Age in months or year depending on treatment arm classification |                        |                        |                    |
| Units: years   |                        |                        |                    |
| median   | 4                      | 5                      | 2                  |
| full range (min-max)   | 2 to 36                | 1 to 7                 | 1 to 5             |
| Gender Categorical   |                        |                        |                    |
| Units: Subjects  |                        |                        |                    |
| Male   | 4                      | 6                      | 5                  |
| Female   | 2                      | 3                      | 3                  |

| Reporting group values | 6 - 11 years, 10 mg | 6 - 11 years, 20 mg | 12 - 17 years, 20 mg |
|------------------------|---------------------|---------------------|----------------------|
| Number of subjects     | 8                   | 9                   | 8                    |

|  |         |         |          |
|--|---------|---------|----------|
| Age Categorical  |         |         |          |
| Subjects in Pharmacokinetic data set                                   |         |         |          |
| Units: Subjects  |         |         |          |
| Newborns (0-27 days)   | 0       | 0       | 0        |
| Infants and toddlers (28 days-23 months)                               | 0       | 0       | 0        |
| Children (2-11 years)  | 8       | 9       | 0        |
| Adolescents (12-17 years)  | 0       | 0       | 8        |
| Age Continuous   |         |         |          |
| Median Age in months or year depending on treatment arm classification |         |         |          |
| Units: years   |         |         |          |
| median   | 7.5     | 8       | 15.5     |
| full range (min-max)   | 6 to 11 | 6 to 11 | 13 to 17 |
| Gender Categorical   |         |         |          |
| Units: Subjects  |         |         |          |
| Male   | 5       | 5       | 5        |
| Female   | 3       | 4       | 3        |

|  |                      |       |  |
|--|----------------------|-------|--|
| <b>Reporting group values</b>  | 12 - 17 years, 40 mg | Total |  |
| Number of subjects   | 9                    | 57    |  |
| Age Categorical  |                      |       |  |
| Subjects in Pharmacokinetic data set                                   |                      |       |  |
| Units: Subjects  |                      |       |  |
| Newborns (0-27 days)   | 0                    | 4     |  |
| Infants and toddlers (28 days-23 months)                               | 0                    | 13    |  |
| Children (2-11 years)  | 0                    | 23    |  |
| Adolescents (12-17 years)  | 9                    | 17    |  |
| Age Continuous   |                      |       |  |
| Median Age in months or year depending on treatment arm classification |                      |       |  |
| Units: years   |                      |       |  |
| median   | 15.5                 |       |  |
| full range (min-max)   | 13 to 17             | -     |  |
| Gender Categorical   |                      |       |  |
| Units: Subjects  |                      |       |  |
| Male   | 3                    | 33    |  |
| Female   | 6                    | 24    |  |

### Subject analysis sets

|                            |                     |
|----------------------------|---------------------|
| Subject analysis set title | Safety Analysis Set |
| Subject analysis set type  | Safety analysis     |

Subject analysis set description:

All subjects that received at least one dose of study drug

|                                      |                     |  |  |
|--------------------------------------|---------------------|--|--|
| <b>Reporting group values</b>        | Safety Analysis Set |  |  |
| Number of subjects                   | 57                  |  |  |
| Age Categorical                      |                     |  |  |
| Subjects in Pharmacokinetic data set |                     |  |  |
| Units: Subjects                      |                     |  |  |
| Newborns (0-27 days)                 | 4                   |  |  |

|  |         |  |  |
|--|---------|--|--|
| Infants and toddlers (28 days-23 months)                               | 13      |  |  |
| Children (2-11 years)  | 23      |  |  |
| Adolescents (12-17 years)  | 17      |  |  |
| Age Continuous   |         |  |  |
| Median Age in months or year depending on treatment arm classification |         |  |  |
| Units: years   |         |  |  |
| median   | 6       |  |  |
| full range (min-max)   | 1 to 17 |  |  |
| Gender Categorical   |         |  |  |
| Units: Subjects  |         |  |  |
| Male   | 33      |  |  |
| Female   | 24      |  |  |

## End points

### End points reporting groups

|   |                        |
|---|------------------------|
| Reporting group title   | 0 - 1 month, 0.5 mg/kg |
| Reporting group description:<br>Zero to one month old subjects dosed at 0.5 mg/kg               |                        |
| Reporting group title   | 1 - 11 months, 1 mg/kg |
| Reporting group description:<br>1 to 11 month old subjects dosed at 1 mg/kg                     |                        |
| Reporting group title   | 1 - 5 years, 10 mg     |
| Reporting group description:<br>1 to 5 year olds dosed at 10 mg                                 |                        |
| Reporting group title   | 6 - 11 years, 10 mg    |
| Reporting group description:<br>6 to 11 year old subjects dosed at 10 mg                        |                        |
| Reporting group title   | 6 - 11 years, 20 mg    |
| Reporting group description:<br>6 to 11 year olds dosed at 20 mg                                |                        |
| Reporting group title   | 12 - 17 years, 20 mg   |
| Reporting group description:<br>12 to 17 year olds dosed at 20 mg                               |                        |
| Reporting group title   | 12 - 17 years, 40 mg   |
| Reporting group description:<br>12 to 17 year olds dosed at 40 mg                               |                        |
| Reporting group title   | 0 - 1 month, 0.5 mg/kg |
| Reporting group description:<br>Zero to one month old subjects dosed at 0.5 mg/kg               |                        |
| Reporting group title   | 1 - 11 months, 1 mg/kg |
| Reporting group description:<br>1 to 11 month old subjects dosed at 1 mg/kg                     |                        |
| Reporting group title   | 1 - 5 years, 10 mg     |
| Reporting group description:<br>1 to 5 year olds dosed at 10 mg                                 |                        |
| Reporting group title   | 6 - 11 years, 10 mg    |
| Reporting group description:<br>6 to 11 year old subjects dosed at 10 mg                        |                        |
| Reporting group title   | 6 - 11 years, 20 mg    |
| Reporting group description:<br>6 to 11 year olds dosed at 20 mg                                |                        |
| Reporting group title   | 12 - 17 years, 20 mg   |
| Reporting group description:<br>12 to 17 year olds dosed at 20 mg                               |                        |
| Reporting group title   | 12 - 17 years, 40 mg   |
| Reporting group description:<br>12 to 17 year olds dosed at 40 mg                               |                        |
| Subject analysis set title  | Safety Analysis Set    |
| Subject analysis set type   | Safety analysis        |
| Subject analysis set description:<br>All subjects that received at least one dose of study drug |                        |

**Primary: AUC<sub>T</sub>**

|                 |                                 |
|-----------------|---------------------------------|
| End point title | AUC <sub>T</sub> <sup>[1]</sup> |
|-----------------|---------------------------------|

End point description:

Area Under the Curve (AUC) of esomeprazole

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

End point timeframe:

Day 4 steady state

Notes:

[1] - No statistical analyses have been specified for this primary end point. It is expected there is at least one statistical analysis for each primary end point.

Justification: NSAE includes those events that occurred in at least 2 patients during the study

| End point values                      | 0 - 1 month, 0.5 mg/kg | 1 - 11 months, 1 mg/kg | 1 - 5 years, 10 mg | 6 - 11 years, 10 mg |
|---------------------------------------|------------------------|------------------------|--------------------|---------------------|
| Subject group type                    | Reporting group        | Reporting group        | Reporting group    | Reporting group     |
| Number of subjects analysed           | 6                      | 7                      | 7                  | 8                   |
| Units: µmol*h/L                       |                        |                        |                    |                     |
| geometric mean (full range (min-max)) | 7.5 (4.5 to 20.5)      | 10.5 (4.5 to 22.2)     | 7.9 (2.9 to 16.6)  | 6.9 (3.5 to 10.9)   |

| End point values                      | 6 - 11 years, 20 mg | 12 - 17 years, 20 mg | 12 - 17 years, 40 mg |  |
|---------------------------------------|---------------------|----------------------|----------------------|--|
| Subject group type                    | Reporting group     | Reporting group      | Reporting group      |  |
| Number of subjects analysed           | 8                   | 6                    | 8                    |  |
| Units: µmol*h/L                       |                     |                      |                      |  |
| geometric mean (full range (min-max)) | 14.4 (7.2 to 42.3)  | 8.1 (4.7 to 15.9)    | 17.6 (13.1 to 19.8)  |  |

**Statistical analyses**

No statistical analyses for this end point

**Secondary: C<sub>ss,max</sub>**

|                 |                     |
|-----------------|---------------------|
| End point title | C <sub>ss,max</sub> |
|-----------------|---------------------|

End point description:

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

End point timeframe:

Day 4 steady state

| <b>End point values</b>               | 0 - 1 month,<br>0.5 mg/kg | 1 - 11 months,<br>1 mg/kg | 1 - 5 years, 10<br>mg | 6 - 11 years,<br>10 mg |
|---------------------------------------|---------------------------|---------------------------|-----------------------|------------------------|
| Subject group type                    | Reporting group           | Reporting group           | Reporting group       | Reporting group        |
| Number of subjects analysed           | 6                         | 7                         | 7                     | 8                      |
| Units: µmol/L                         |                           |                           |                       |                        |
| geometric mean (full range (min-max)) | 3.71 (2.73 to<br>5.77)    | 8.68 (4.51 to<br>14)      | 9.37 (4.4 to<br>17.2) | 5.6 (3.13 to<br>13.2)  |

| <b>End point values</b>               | 6 - 11 years,<br>20 mg | 12 - 17 years,<br>20 mg | 12 - 17 years,<br>40 mg |  |
|---------------------------------------|------------------------|-------------------------|-------------------------|--|
| Subject group type                    | Reporting group        | Reporting group         | Reporting group         |  |
| Number of subjects analysed           | 8                      | 6                       | 8                       |  |
| Units: µmol/L                         |                        |                         |                         |  |
| geometric mean (full range (min-max)) | 8.83 (3.36 to<br>29.4) | 7.1 (4.76 to<br>9.02)   | 10.5 (7.82 to<br>14.2)  |  |

### Statistical analyses

No statistical analyses for this end point

## Adverse events

### Adverse events information

Timeframe for reporting adverse events:

From first dosing to day 5

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

### Dictionary used

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

|                    |      |
|--------------------|------|
| Dictionary version | 12.0 |
|--------------------|------|

### Reporting groups

|                       |                        |
|-----------------------|------------------------|
| Reporting group title | 0 - 1 month, 0.5 mg/kg |
|-----------------------|------------------------|

Reporting group description:

Zero to one month old subjects dosed at 0.5 mg/kg

|                       |                        |
|-----------------------|------------------------|
| Reporting group title | 1 - 11 months, 1 mg/kg |
|-----------------------|------------------------|

Reporting group description:

1 to 11 month old subjects dosed at 1 mg/kg

|                       |                    |
|-----------------------|--------------------|
| Reporting group title | 1 - 5 years, 10 mg |
|-----------------------|--------------------|

Reporting group description:

1 to 5 year olds dosed at 10 mg

|                       |                     |
|-----------------------|---------------------|
| Reporting group title | 6 - 11 years, 10 mg |
|-----------------------|---------------------|

Reporting group description:

6 to 11 year old subjects dosed at 10 mg

|                       |                     |
|-----------------------|---------------------|
| Reporting group title | 6 - 11 years, 20 mg |
|-----------------------|---------------------|

Reporting group description:

6 to 11 year olds dosed at 20 mg

|                       |                      |
|-----------------------|----------------------|
| Reporting group title | 12 - 17 years, 20 mg |
|-----------------------|----------------------|

Reporting group description:

12 to 17 year olds dosed at 20 mg

|                       |                      |
|-----------------------|----------------------|
| Reporting group title | 12 - 17 years, 40 mg |
|-----------------------|----------------------|

Reporting group description:

12 to 17 year olds dosed at 40 mg

| Serious adverse events                            | 0 - 1 month, 0.5 mg/kg   | 1 - 11 months, 1 mg/kg | 1 - 5 years, 10 mg |
|---|--|------------------------|--------------------|
| Total subjects affected by serious adverse events |  |                        |                    |
| subjects affected / exposed                       | 2 / 6 (33.33%)   | 0 / 9 (0.00%)          | 1 / 8 (12.50%)     |
| number of deaths (all causes)                     | 0  | 0                      | 0                  |
| number of deaths resulting from adverse events    | 0  | 0                      | 0                  |
| Gastrointestinal disorders                        |  |                        |                    |
| Gastroenteritis                                   | Additional description: Gastroenteritis with abdominal pain, dehydration, nausea, and vomiting |                        |                    |
| subjects affected / exposed                       | 0 / 6 (0.00%)  | 0 / 9 (0.00%)          | 0 / 8 (0.00%)      |
| occurrences causally related to treatment / all   | 0 / 0  | 0 / 0                  | 0 / 0              |
| deaths causally related to treatment / all        | 0 / 0  | 0 / 0                  | 0 / 0              |
| Colitis ulcerative                                | Additional description: Ulcerative colitis flare   |                        |                    |



|   |  |               |                |
|---|--|---------------|----------------|
| subjects affected / exposed                     | 0 / 6 (0.00%)  | 0 / 9 (0.00%) | 0 / 8 (0.00%)  |
| occurrences causally related to treatment / all | 0 / 0  | 0 / 0         | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0  | 0 / 0         | 0 / 0          |
| Respiratory, thoracic and mediastinal disorders |  |               |                |
| Bronchial hyper-reactivity                      | Additional description: Reactive airway disease (secondary to Influenza A) |               |                |
| subjects affected / exposed                     | 1 / 6 (16.67%)   | 0 / 9 (0.00%) | 0 / 8 (0.00%)  |
| occurrences causally related to treatment / all | 0 / 1  | 0 / 0         | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0  | 0 / 0         | 0 / 0          |
| Acute respiratory distress syndrome             |  |               |                |
| subjects affected / exposed                     | 0 / 6 (0.00%)  | 0 / 9 (0.00%) | 1 / 8 (12.50%) |
| occurrences causally related to treatment / all | 0 / 0  | 0 / 0         | 0 / 1          |
| deaths causally related to treatment / all      | 0 / 0  | 0 / 0         | 0 / 0          |
| Acute respiratory failure                       |  |               |                |
| subjects affected / exposed                     | 0 / 6 (0.00%)  | 0 / 9 (0.00%) | 0 / 8 (0.00%)  |
| occurrences causally related to treatment / all | 0 / 0  | 0 / 0         | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0  | 0 / 0         | 0 / 0          |
| Infections and infestations                     |  |               |                |
| Candida sepsis                                  |  |               |                |
| subjects affected / exposed                     | 1 / 6 (16.67%)   | 0 / 9 (0.00%) | 0 / 8 (0.00%)  |
| occurrences causally related to treatment / all | 0 / 1  | 0 / 0         | 0 / 0          |
| deaths causally related to treatment / all      | 0 / 0  | 0 / 0         | 0 / 0          |

| Serious adverse events                            | 6 - 11 years, 10 mg  | 6 - 11 years, 20 mg | 12 - 17 years, 20 mg |
|---|--|---------------------|----------------------|
| Total subjects affected by serious adverse events |  |                     |                      |
| subjects affected / exposed                       | 1 / 8 (12.50%)   | 1 / 9 (11.11%)      | 0 / 8 (0.00%)        |
| number of deaths (all causes)                     | 0  | 0                   | 0                    |
| number of deaths resulting from adverse events    | 0  | 0                   | 0                    |
| Gastrointestinal disorders                        |  |                     |                      |
| Gastroenteritis                                   | Additional description: Gastroenteritis with abdominal pain, dehydration, nausea, and vomiting |                     |                      |
| subjects affected / exposed                       | 0 / 8 (0.00%)  | 0 / 9 (0.00%)       | 0 / 8 (0.00%)        |
| occurrences causally related to treatment / all   | 0 / 0  | 0 / 0               | 0 / 0                |
| deaths causally related to treatment / all        | 0 / 0  | 0 / 0               | 0 / 0                |
| Colitis ulcerative                                | Additional description: Ulcerative colitis flare   |                     |                      |

|   |  |                |               |
|---|--|----------------|---------------|
| subjects affected / exposed                     | 1 / 8 (12.50%)   | 0 / 9 (0.00%)  | 0 / 8 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1  | 0 / 0          | 0 / 0         |
| deaths causally related to treatment / all      | 0 / 0  | 0 / 0          | 0 / 0         |
| Respiratory, thoracic and mediastinal disorders |  |                |               |
| Bronchial hyper-reactivity                      | Additional description: Reactive airway disease (secondary to Influenza A) |                |               |
| subjects affected / exposed                     | 0 / 8 (0.00%)  | 0 / 9 (0.00%)  | 0 / 8 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0  | 0 / 0          | 0 / 0         |
| deaths causally related to treatment / all      | 0 / 0  | 0 / 0          | 0 / 0         |
| Acute respiratory distress syndrome             |  |                |               |
| subjects affected / exposed                     | 0 / 8 (0.00%)  | 0 / 9 (0.00%)  | 0 / 8 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0  | 0 / 0          | 0 / 0         |
| deaths causally related to treatment / all      | 0 / 0  | 0 / 0          | 0 / 0         |
| Acute respiratory failure                       |  |                |               |
| subjects affected / exposed                     | 0 / 8 (0.00%)  | 1 / 9 (11.11%) | 0 / 8 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0  | 0 / 1          | 0 / 0         |
| deaths causally related to treatment / all      | 0 / 0  | 0 / 0          | 0 / 0         |
| Infections and infestations                     |  |                |               |
| Candida sepsis                                  |  |                |               |
| subjects affected / exposed                     | 0 / 8 (0.00%)  | 0 / 9 (0.00%)  | 0 / 8 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0  | 0 / 0          | 0 / 0         |
| deaths causally related to treatment / all      | 0 / 0  | 0 / 0          | 0 / 0         |

|   |  |  |  |
|---|--|--|--|
| <b>Serious adverse events</b>                     | 12 - 17 years, 40 mg   |  |  |
| Total subjects affected by serious adverse events |  |  |  |
| subjects affected / exposed                       | 1 / 9 (11.11%)   |  |  |
| number of deaths (all causes)                     | 0  |  |  |
| number of deaths resulting from adverse events    | 0  |  |  |
| Gastrointestinal disorders                        |  |  |  |
| Gastroenteritis                                   | Additional description: Gastroenteritis with abdominal pain, dehydration, nausea, and vomiting |  |  |
| subjects affected / exposed                       | 1 / 9 (11.11%)   |  |  |
| occurrences causally related to treatment / all   | 0 / 1  |  |  |
| deaths causally related to treatment / all        | 0 / 0  |  |  |
| Colitis ulcerative                                | Additional description: Ulcerative colitis flare   |  |  |

|   |  |  |  |
|---|--|--|--|
| subjects affected / exposed                     | 0 / 9 (0.00%)  |  |  |
| occurrences causally related to treatment / all | 0 / 0  |  |  |
| deaths causally related to treatment / all      | 0 / 0  |  |  |
| Respiratory, thoracic and mediastinal disorders |  |  |  |
| Bronchial hyper-reactivity                      | Additional description: Reactive airway disease (secondary to Influenza A) |  |  |
| subjects affected / exposed                     | 0 / 9 (0.00%)  |  |  |
| occurrences causally related to treatment / all | 0 / 0  |  |  |
| deaths causally related to treatment / all      | 0 / 0  |  |  |
| Acute respiratory distress syndrome             |  |  |  |
| subjects affected / exposed                     | 0 / 9 (0.00%)  |  |  |
| occurrences causally related to treatment / all | 0 / 0  |  |  |
| deaths causally related to treatment / all      | 0 / 0  |  |  |
| Acute respiratory failure                       |  |  |  |
| subjects affected / exposed                     | 0 / 9 (0.00%)  |  |  |
| occurrences causally related to treatment / all | 0 / 0  |  |  |
| deaths causally related to treatment / all      | 0 / 0  |  |  |
| Infections and infestations                     |  |  |  |
| Candida sepsis                                  |  |  |  |
| subjects affected / exposed                     | 0 / 9 (0.00%)  |  |  |
| occurrences causally related to treatment / all | 0 / 0  |  |  |
| deaths causally related to treatment / all      | 0 / 0  |  |  |

Frequency threshold for reporting non-serious adverse events: 5 %

| Non-serious adverse events                            | 0 - 1 month, 0.5 mg/kg | 1 - 11 months, 1 mg/kg | 1 - 5 years, 10 mg |
|---|------------------------|------------------------|--------------------|
| Total subjects affected by non-serious adverse events |                        |                        |                    |
| subjects affected / exposed                           | 2 / 6 (33.33%)         | 5 / 9 (55.56%)         | 7 / 8 (87.50%)     |
| Cardiac disorders                                     |                        |                        |                    |
| Tachycardia   |                        |                        |                    |
| subjects affected / exposed                           | 1 / 6 (16.67%)         | 0 / 9 (0.00%)          | 1 / 8 (12.50%)     |
| occurrences (all)                                     | 1                      | 0                      | 1                  |
| Blood and lymphatic system disorders                  |                        |                        |                    |
| Anemia  |                        |                        |                    |

|   |                     |                     |                     |
|---|---------------------|---------------------|---------------------|
| subjects affected / exposed<br>occurrences (all)                                    | 1 / 6 (16.67%)<br>1 | 0 / 9 (0.00%)<br>0  | 0 / 8 (0.00%)<br>0  |
| General disorders and administration<br>site conditions                             |                     |                     |                     |
| Catheter related complication<br>subjects affected / exposed<br>occurrences (all)   | 0 / 6 (0.00%)<br>0  | 1 / 9 (11.11%)<br>2 | 1 / 8 (12.50%)<br>1 |
| Infusion site extravasation<br>subjects affected / exposed<br>occurrences (all)     | 0 / 6 (0.00%)<br>0  | 0 / 9 (0.00%)<br>0  | 1 / 8 (12.50%)<br>1 |
| Gastrointestinal disorders  |                     |                     |                     |
| Constipation<br>subjects affected / exposed<br>occurrences (all)                    | 0 / 6 (0.00%)<br>0  | 2 / 9 (22.22%)<br>2 | 2 / 8 (25.00%)<br>2 |
| Abdominal distension<br>subjects affected / exposed<br>occurrences (all)            | 0 / 6 (0.00%)<br>0  | 2 / 9 (22.22%)<br>2 | 0 / 8 (0.00%)<br>0  |
| Abdominal pain<br>subjects affected / exposed<br>occurrences (all)                  | 0 / 6 (0.00%)<br>0  | 0 / 9 (0.00%)<br>0  | 2 / 8 (25.00%)<br>2 |
| Diarrhea<br>subjects affected / exposed<br>occurrences (all)                        | 0 / 6 (0.00%)<br>0  | 0 / 9 (0.00%)<br>0  | 1 / 8 (12.50%)<br>1 |
| Gastroesophageal reflux disease<br>subjects affected / exposed<br>occurrences (all) | 0 / 6 (0.00%)<br>0  | 1 / 9 (11.11%)<br>1 | 0 / 8 (0.00%)<br>0  |
| Nausea<br>subjects affected / exposed<br>occurrences (all)                          | 0 / 6 (0.00%)<br>0  | 0 / 9 (0.00%)<br>0  | 0 / 8 (0.00%)<br>0  |
| Vomiting<br>subjects affected / exposed<br>occurrences (all)                        | 0 / 6 (0.00%)<br>0  | 0 / 9 (0.00%)<br>0  | 1 / 8 (12.50%)<br>2 |
| Skin and subcutaneous tissue disorders  |                     |                     |                     |
| Pruritus<br>subjects affected / exposed<br>occurrences (all)                        | 0 / 6 (0.00%)<br>0  | 0 / 9 (0.00%)<br>0  | 0 / 8 (0.00%)<br>0  |
| Erythema  |                     |                     |                     |

|   |                     |                     |                     |
|---|---------------------|---------------------|---------------------|
| subjects affected / exposed<br>occurrences (all)  | 0 / 6 (0.00%)<br>0  | 3 / 9 (33.33%)<br>3 | 0 / 8 (0.00%)<br>0  |
| Rash<br>subjects affected / exposed<br>occurrences (all)  | 0 / 6 (0.00%)<br>0  | 1 / 9 (11.11%)<br>1 | 1 / 8 (12.50%)<br>1 |
| Psychiatric disorders<br>Agitation<br>subjects affected / exposed<br>occurrences (all)                            | 0 / 6 (0.00%)<br>0  | 0 / 9 (0.00%)<br>0  | 1 / 8 (12.50%)<br>1 |
| Musculoskeletal and connective tissue disorders<br>Arthralgia<br>subjects affected / exposed<br>occurrences (all) | 0 / 6 (0.00%)<br>0  | 0 / 9 (0.00%)<br>0  | 0 / 8 (0.00%)<br>0  |
| Infections and infestations<br>Pyrexia<br>subjects affected / exposed<br>occurrences (all)                        | 0 / 6 (0.00%)<br>0  | 1 / 9 (11.11%)<br>1 | 1 / 8 (12.50%)<br>1 |
| Pneumonia<br>subjects affected / exposed<br>occurrences (all)   | 0 / 6 (0.00%)<br>0  | 1 / 9 (11.11%)<br>1 | 0 / 8 (0.00%)<br>0  |
| Metabolism and nutrition disorders<br>Hypokalemia<br>subjects affected / exposed<br>occurrences (all)             | 1 / 6 (16.67%)<br>1 | 0 / 9 (0.00%)<br>0  | 1 / 8 (12.50%)<br>1 |
| Hyponatremia<br>subjects affected / exposed<br>occurrences (all)  | 0 / 6 (0.00%)<br>0  | 2 / 9 (22.22%)<br>2 | 0 / 8 (0.00%)<br>0  |

| <b>Non-serious adverse events</b>  | 6 - 11 years, 10 mg | 6 - 11 years, 20 mg | 12 - 17 years, 20 mg |
|--|---------------------|---------------------|----------------------|
| Total subjects affected by non-serious adverse events<br>subjects affected / exposed | 5 / 8 (62.50%)      | 2 / 9 (22.22%)      | 5 / 8 (62.50%)       |
| Cardiac disorders<br>Tachycardia<br>subjects affected / exposed<br>occurrences (all) | 0 / 8 (0.00%)<br>0  | 0 / 9 (0.00%)<br>0  | 1 / 8 (12.50%)<br>1  |
| Blood and lymphatic system disorders   |                     |                     |                      |

|   |  |  |  |
|---|--|--|--|
| Anemia<br>subjects affected / exposed<br>occurrences (all)  | 0 / 8 (0.00%)<br>0   | 0 / 9 (0.00%)<br>0   | 1 / 8 (12.50%)<br>1  |
| General disorders and administration site conditions<br>Catheter related complication<br>subjects affected / exposed<br>occurrences (all)<br><br>Infusion site extravasation<br>subjects affected / exposed<br>occurrences (all)  | 0 / 8 (0.00%)<br>0<br><br>0 / 8 (0.00%)<br>0   | 0 / 9 (0.00%)<br>0<br><br>0 / 9 (0.00%)<br>0   | 0 / 8 (0.00%)<br>0<br><br>1 / 8 (12.50%)<br>1  |
| Gastrointestinal disorders<br>Constipation<br>subjects affected / exposed<br>occurrences (all)<br><br>Abdominal distension<br>subjects affected / exposed<br>occurrences (all)<br><br>Abdominal pain<br>subjects affected / exposed<br>occurrences (all)<br><br>Diarrhea<br>subjects affected / exposed<br>occurrences (all)<br><br>Gastroesophageal reflux disease<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) | 1 / 8 (12.50%)<br>1<br><br>0 / 8 (0.00%)<br>0<br><br>0 / 8 (0.00%)<br>0<br><br>1 / 8 (12.50%)<br>1<br><br>0 / 8 (0.00%)<br>0<br><br>0 / 8 (0.00%)<br>0 | 0 / 9 (0.00%)<br>0<br><br>0 / 9 (0.00%)<br>0<br><br>0 / 9 (0.00%)<br>0<br><br>0 / 9 (0.00%)<br>0<br><br>1 / 9 (11.11%)<br>1<br><br>1 / 9 (11.11%)<br>1 | 1 / 8 (12.50%)<br>1<br><br>0 / 8 (0.00%)<br>0<br><br>0 / 8 (0.00%)<br>0<br><br>1 / 8 (12.50%)<br>1<br><br>0 / 8 (0.00%)<br>0<br><br>0 / 8 (0.00%)<br>0 |
| Skin and subcutaneous tissue disorders<br>Pruritus<br>subjects affected / exposed<br>occurrences (all)  | 0 / 8 (0.00%)<br>0   | 0 / 9 (0.00%)<br>0   | 2 / 8 (25.00%)<br>2  |

|   |                    |                     |                     |
|---|--------------------|---------------------|---------------------|
| Erythema<br>subjects affected / exposed<br>occurrences (all)  | 0 / 8 (0.00%)<br>0 | 0 / 9 (0.00%)<br>0  | 0 / 8 (0.00%)<br>0  |
| Rash<br>subjects affected / exposed<br>occurrences (all)  | 0 / 8 (0.00%)<br>0 | 0 / 9 (0.00%)<br>0  | 0 / 8 (0.00%)<br>0  |
| Psychiatric disorders<br>Agitation<br>subjects affected / exposed<br>occurrences (all)                            | 0 / 8 (0.00%)<br>0 | 0 / 9 (0.00%)<br>0  | 1 / 8 (12.50%)<br>1 |
| Musculoskeletal and connective tissue disorders<br>Arthralgia<br>subjects affected / exposed<br>occurrences (all) | 0 / 8 (0.00%)<br>0 | 0 / 9 (0.00%)<br>0  | 2 / 8 (25.00%)<br>2 |
| Infections and infestations<br>Pyrexia<br>subjects affected / exposed<br>occurrences (all)                        | 0 / 8 (0.00%)<br>0 | 1 / 9 (11.11%)<br>1 | 2 / 8 (25.00%)<br>2 |
| Pneumonia<br>subjects affected / exposed<br>occurrences (all)   | 0 / 8 (0.00%)<br>0 | 1 / 9 (11.11%)<br>1 | 0 / 8 (0.00%)<br>0  |
| Metabolism and nutrition disorders<br>Hypokalemia<br>subjects affected / exposed<br>occurrences (all)             | 0 / 8 (0.00%)<br>0 | 0 / 9 (0.00%)<br>0  | 0 / 8 (0.00%)<br>0  |
| Hyponatremia<br>subjects affected / exposed<br>occurrences (all)  | 0 / 8 (0.00%)<br>0 | 0 / 9 (0.00%)<br>0  | 0 / 8 (0.00%)<br>0  |

|  |                      |  |  |
|--|----------------------|--|--|
| <b>Non-serious adverse events</b>  | 12 - 17 years, 40 mg |  |  |
| Total subjects affected by non-serious adverse events<br>subjects affected / exposed | 5 / 9 (55.56%)       |  |  |
| Cardiac disorders<br>Tachycardia<br>subjects affected / exposed<br>occurrences (all) | 0 / 9 (0.00%)<br>0   |  |  |
| Blood and lymphatic system disorders   |                      |  |  |

|   |   |  |  |
|---|---|--|--|
| Anemia<br>subjects affected / exposed<br>occurrences (all)  | 0 / 9 (0.00%)<br>0  |  |  |
| General disorders and administration site conditions<br>Catheter related complication<br>subjects affected / exposed<br>occurrences (all)<br><br>Infusion site extravasation<br>subjects affected / exposed<br>occurrences (all)  | 0 / 9 (0.00%)<br>0<br><br>0 / 9 (0.00%)<br>0  |  |  |
| Gastrointestinal disorders<br>Constipation<br>subjects affected / exposed<br>occurrences (all)<br><br>Abdominal distension<br>subjects affected / exposed<br>occurrences (all)<br><br>Abdominal pain<br>subjects affected / exposed<br>occurrences (all)<br><br>Diarrhea<br>subjects affected / exposed<br>occurrences (all)<br><br>Gastroesophageal reflux disease<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) | 1 / 9 (11.11%)<br>1<br><br>0 / 9 (0.00%)<br>0<br><br>0 / 9 (0.00%)<br>0<br><br>0 / 9 (0.00%)<br>0<br><br>0 / 9 (0.00%)<br>0<br><br>0 / 9 (0.00%)<br>0 |  |  |
| Skin and subcutaneous tissue disorders<br>Pruritus<br>subjects affected / exposed<br>occurrences (all)  | 1 / 9 (11.11%)<br>1   |  |  |



|   |  |  |  |
|---|--|--|--|
| Erythema<br>subjects affected / exposed<br>occurrences (all)  | 0 / 9 (0.00%)<br>0                           |  |  |
| Rash<br>subjects affected / exposed<br>occurrences (all)  | 1 / 9 (11.11%)<br>1                          |  |  |
| Psychiatric disorders<br>Agitation<br>subjects affected / exposed<br>occurrences (all)  | 0 / 9 (0.00%)<br>0                           |  |  |
| Musculoskeletal and connective tissue disorders<br>Arthralgia<br>subjects affected / exposed<br>occurrences (all)   | 1 / 9 (11.11%)<br>1                          |  |  |
| Infections and infestations<br>Pyrexia<br>subjects affected / exposed<br>occurrences (all)<br><br>Pneumonia<br>subjects affected / exposed<br>occurrences (all)               | 0 / 9 (0.00%)<br>0<br><br>0 / 9 (0.00%)<br>0 |  |  |
| Metabolism and nutrition disorders<br>Hypokalemia<br>subjects affected / exposed<br>occurrences (all)<br><br>Hyponatremia<br>subjects affected / exposed<br>occurrences (all) | 0 / 9 (0.00%)<br>0<br><br>0 / 9 (0.00%)<br>0 |  |  |

## More information

### Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date             | Amendment  |
|------------------|--|
| 21 June 2007     | Incorporating multiple changes to CSP in response to FDA comments                |
| 29 January 2008  | New centers added to help meet enrollment goals; amendment to exclusion criteria |
| 18 December 2008 | Broadening of some inclusion/exclusion criteria                                  |

Notes:

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### Interruptions (globally)

Were there any global interruptions to the trial? No

### Limitations and caveats

None reported