



## Clinical trial results: A Phase I/II Study Of Sunitinib In Young Patients With Advanced Gastrointestinal Stromal Tumor Summary

|                          |   |
|--------------------------|---|
| EudraCT number           | 2011-002008-33                                  |
| Trial protocol           | HU ES Outside EU/EEA CZ PT IT GB PL AT DE FR SK |
| Global end of trial date | 21 August 2017                                  |

### Results information

|                                |                  |
|--------------------------------|------------------|
| Result version number          | v2               |
| This version publication date  | 28 February 2019 |
| First version publication date | 25 February 2018 |
| Version creation reason        |                  |

### Trial information

#### Trial identification

|                       |          |
|-----------------------|----------|
| Sponsor protocol code | A6181196 |
|-----------------------|----------|

#### Additional study identifiers

|                                    |             |
|------------------------------------|-------------|
| ISRCTN number                      | -           |
| ClinicalTrials.gov id (NCT number) | NCT01396148 |
| WHO universal trial number (UTN)   | -           |

Notes:

### Sponsors

|                              |   |
|------------------------------|---|
| Sponsor organisation name    | Pfizer, Inc.  |
| Sponsor organisation address | 235 E 42nd Street, New York, United States, NY 110017   |
| Public contact               | Pfizer ClinicalTrials.gov Call Center, Pfizer, Inc., 001 18007181021, ClinicalTrials.gov_Inquiries@pfizer.com |
| Scientific contact           | Pfizer ClinicalTrials.gov Call Center, Pfizer, Inc., 001 18007181021, ClinicalTrials.gov_Inquiries@pfizer.com |

Notes:

### Paediatric regulatory details

|  |                     |
|--|---------------------|
| Is trial part of an agreed paediatric investigation plan (PIP)       | Yes                 |
| EMA paediatric investigation plan number(s)                          | EMA-000342-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? | Yes                 |

Notes:

## Results analysis stage

|  |                  |
|--|------------------|
| Analysis stage                                       | Final            |
| Date of interim/final analysis                       | 13 December 2017 |
| Is this the analysis of the primary completion data? | No               |
| Global end of trial reached?                         | Yes              |
| Global end of trial date                             | 21 August 2017   |
| Was the trial ended prematurely?                     | No               |

Notes:

## General information about the trial

Main objective of the trial:

To characterize the plasma pharmacokinetic (PK) profile of Sunitinib and its active metabolite SU012662 in children and young adults with advanced, unresectable Gastrointestinal Stromal Tumor (GIST).

Protection of trial subjects:

The study was in compliance with the ethical principles derived from the Declaration of Helsinki and in compliance with all International Council for Harmonization (ICH) Good Clinical Practice (GCP) Guidelines. All the local regulatory requirements pertinent to safety of trial subjects were followed.

Background therapy: -

Evidence for comparator: -

|   |              |
|---|--------------|
| Actual start date of recruitment                          | 12 June 2012 |
| 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 | Czech Republic: 1 |
| Country: Number of subjects enrolled | France: 2         |
| Country: Number of subjects enrolled | United States: 3  |
| Worldwide total number of subjects   | 6                 |
| EEA total number of subjects         | 3                 |

Notes:

### Subjects enrolled per age group

|   |   |
|---|---|
| In utero                                  | 0 |
| Preterm newborn - gestational age < 37 wk | 0 |
| Newborns (0-27 days)                      | 0 |
| Infants and toddlers (28 days-23 months)  | 0 |
| Children (2-11 years)                     | 0 |
| Adolescents (12-17 years)                 | 6 |
| Adults (18-64 years)                      | 0 |
| From 65 to 84 years                       | 0 |

|                   |   |
|-------------------|---|
| 85 years and over | 0 |
|-------------------|---|

## Subject disposition

### Recruitment

Recruitment details:

The study was conducted at 4 centers in 3 countries between 12 June 2012 and 21 August 2017.

### Pre-assignment

Screening details:

This was a single arm, multi-center, multi-national study where a total of 6 subjects were dosed based on the body surface area. The starting dose of Sunitinib was 15 milligram/ meter square ( $\text{mg}/\text{m}^2$ ) per day administered orally, from Day 1 to 28 in each treatment cycle of 42 days.

### Period 1

|                              |                                |
|------------------------------|--------------------------------|
| Period 1 title               | Overall Study (overall period) |
| Is this the baseline period? | Yes                            |
| Allocation method            | Not applicable                 |
| Blinding used                | Not blinded                    |

### Arms

|           |           |
|-----------|-----------|
| Arm title | Sunitinib |
|-----------|-----------|

Arm description:

Subjects received Sunitinib capsules orally at a dose based on body surface area (BSA) (minimum dose of 15 milligram/ meter square [ $\text{mg}/\text{m}^2$ ] up to a maximum dose of 30  $\text{mg}/\text{m}^2$ ) once daily, from Day 1 to 28 in each treatment cycle of 42 days ( up to a maximum of 18 cycles) until completion of study treatment, disease progression, unacceptable toxicity, required a treatment rest (greater than [ $>4$ ] weeks), withdrawal of subject consent, or if other withdrawal criteria were met.

|  |              |
|--|--------------|
| Arm type                               | Experimental |
| Investigational medicinal product name | Sunitinib    |
| Investigational medicinal product code |              |
| Other name                             | SU011248     |
| Pharmaceutical forms                   | Capsule      |
| Routes of administration               | Oral use     |

Dosage and administration details:

Sunitinib capsules orally at a dose based on body surface area (BSA) (minimum dose of 15 milligram/ meter square [ $\text{mg}/\text{m}^2$ ] up to a maximum dose of 30  $\text{mg}/\text{m}^2$ ) once daily, from Day 1 to 28 in each treatment cycle of 42 days (up to a maximum of 18 cycles).

| Number of subjects in period 1 | Sunitinib |
|--------------------------------|-----------|
| Started                        | 6         |
| Completed                      | 5         |
| Not completed                  | 1         |
| Subject decision               | 1         |

## Baseline characteristics

### Reporting groups

|                       |           |
|-----------------------|-----------|
| Reporting group title | Sunitinib |
|-----------------------|-----------|

Reporting group description:

Subjects received Sunitinib capsules orally at a dose based on body surface area (BSA) (minimum dose of 15 milligram/ meter square [mg/m<sup>2</sup>] up to a maximum dose of 30 mg/m<sup>2</sup>) once daily, from Day 1 to 28 in each treatment cycle of 42 days ( up to a maximum of 18 cycles) until completion of study treatment, disease progression, unacceptable toxicity, required a treatment rest (greater than [ $>4$ ] weeks), withdrawal of subject consent, or if other withdrawal criteria were met.

| Reporting group values     | Sunitinib | Total |  |
|----------------------------|-----------|-------|--|
| Number of subjects         | 6         | 6     |  |
| Age categorical            |           |       |  |
| Units: Subjects            |           |       |  |
| Adolescents (12-17 years)  | 6         | 6     |  |
| Age Continuous             |           |       |  |
| Units: years               |           |       |  |
| arithmetic mean            | 14.3      |       |  |
| standard deviation         | $\pm 1.4$ | -     |  |
| Sex: Female, Male          |           |       |  |
| Units: Subjects            |           |       |  |
| Female                     | 5         | 5     |  |
| Male                       | 1         | 1     |  |
| Race/Ethnicity, Customized |           |       |  |
| Units: Subjects            |           |       |  |
| White                      | 5         | 5     |  |
| Asian                      | 1         | 1     |  |

## End points

### End points reporting groups

|   |                             |
|---|-----------------------------|
| Reporting group title   | Sunitinib                   |
| Reporting group description:<br>Subjects received Sunitinib capsules orally at a dose based on body surface area (BSA) (minimum dose of 15 milligram/ meter square [mg/m <sup>2</sup> ] up to a maximum dose of 30 mg/m <sup>2</sup> ) once daily, from Day 1 to 28 in each treatment cycle of 42 days ( up to a maximum of 18 cycles) until completion of study treatment, disease progression, unacceptable toxicity, required a treatment rest (greater than [ $>4$ ] weeks), withdrawal of subject consent, or if other withdrawal criteria were met. |                             |
| Subject analysis set title  | Sunitinib: Lower Exposure   |
| Subject analysis set type   | Modified intention-to-treat |
| Subject analysis set description:<br>Subjects who received Sunitinib capsules orally at a dose based on BSA (minimum dose of 15 mg/m <sup>2</sup> up to a maximum dose of 30 mg/m <sup>2</sup> once daily, from Day 1 to 28 in each treatment cycle of 42 days (up to a maximum of 18 cycles) and had total drug (sunitinib + SU012662) trough plasma concentration (C <sub>trough</sub> ) < the median C <sub>trough</sub> value   |                             |
| Subject analysis set title  | Sunitinib: Higher Exposure  |
| Subject analysis set type   | Modified intention-to-treat |
| Subject analysis set description:<br>Subjects who received Sunitinib capsules orally at a dose based on BSA (minimum dose of 15 mg/m <sup>2</sup> up to a maximum dose of 30 mg/m <sup>2</sup> once daily, from Day 1 to 28 in each treatment cycle of 42 days (up to a maximum of 18 cycles) and had total drug (sunitinib + SU012662) trough plasma concentration (C <sub>trough</sub> ) $\geq$ the median C <sub>trough</sub> value  |                             |

### Primary: Estimated Steady-State Maximum Plasma Concentration (C<sub>max,ss</sub>) of Sunitinib and its Metabolite

|  |   |
|--|---|
| End point title  | Estimated Steady-State Maximum Plasma Concentration (C <sub>max,ss</sub> ) of Sunitinib and its Metabolite <sup>[1]</sup> |
| End point description:<br>Estimated steady-state maximum plasma concentration (C <sub>max,ss</sub> ) of Sunitinib and its metabolite SU012662. The PK population included all treated participants with at least one PK observation.                     |   |
| End point type   | Primary   |
| End point timeframe:<br>Cycle 1 Day 1: pre-dose, 2, 4, 6, and 8 hours post-dose; Cycle 2 and 3 Day 1: pre-dose; Cycle 1, 2 and 3: Day 12 to Day 18 and Day 25 to Day 29: pre-dose  |   |
| Notes:<br>[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.<br>Justification: Descriptive data analysis was planned for this endpoint. |   |

| End point values                        | Sunitinib            |  |  |  |
|---|----------------------|--|--|--|
| Subject group type                      | Reporting group      |  |  |  |
| Number of subjects analysed             | 6                    |  |  |  |
| Units: nanograms per milliliter (ng/mL) |                      |  |  |  |
| arithmetic mean (standard deviation)    |                      |  |  |  |
| Sunitinib                               | 37.98 ( $\pm$ 12.91) |  |  |  |
| SU012662                                | 14.55 ( $\pm$ 3.04)  |  |  |  |

### Statistical analyses

No statistical analyses for this end point

### Primary: Estimated Area Under the Plasma Concentration Versus Time Curve From Time Zero to 24 Hours Post Dose (AUC24) of Sunitinib and its Metabolite

|                 |   |
|-----------------|---|
| End point title | Estimated Area Under the Plasma Concentration Versus Time Curve From Time Zero to 24 Hours Post Dose (AUC24) of Sunitinib and its Metabolite <sup>[2]</sup> |
|-----------------|---|

End point description:

Estimated area under the plasma concentration versus time curve from time zero to 24 hours post dose AUC(0-24) of Sunitinib and its metabolite SU012662. The PK population included all treated participants with at least one PK observation.

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

End point timeframe:

Cycle 1 Day 1: pre-dose, 2, 4, 6, 8 and 24 hours post-dose; Cycle 2 and 3 Day 1: pre-dose; Cycle 1, 2 and 3: Day 12 to Day 18 and Day 25 to Day 29: pre-dose

Notes:

[2] - 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: Descriptive data analysis was planned for this endpoint.

| End point values                               | Sunitinib         |  |  |  |
|--|-------------------|--|--|--|
| Subject group type                             | Reporting group   |  |  |  |
| Number of subjects analysed                    | 6                 |  |  |  |
| Units: nanogram*hour per milliliter (ng*hr)/mL |                   |  |  |  |
| arithmetic mean (standard deviation)           |                   |  |  |  |
| Sunitinib                                      | 812.59 (± 273.37) |  |  |  |
| SU012662                                       | 336.78 (± 74.15)  |  |  |  |

### Statistical analyses

No statistical analyses for this end point

### Primary: Estimated Oral clearance (CL/F) of Sunitinib and its Metabolite

|                 |  |
|-----------------|--|
| End point title | Estimated Oral clearance (CL/F) of Sunitinib and its |
|-----------------|--|

End point description:

SU012662 is the metabolite of Sunitinib. Oral clearance (CL/F) is a quantitative measure of the rate at which a drug substance is removed from the blood (CL) normalized by the oral bioavailability of the drug (F). The PK population included all treated participants with at least one PK observation.

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

End point timeframe:

Cycle 1 Day 1: pre-dose, 2, 4, 6, and 8 hours post-dose; Cycle 2 and 3 Day 1: pre-dose; Cycle 1, 2 and 3: Day 12 to Day 18 and Day 25 to Day 29: pre-dose

Notes:

[3] - 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: Descriptive data analysis was planned for this endpoint.

| End point values                     | Sunitinib       |  |  |  |
|--------------------------------------|-----------------|--|--|--|
| Subject group type                   | Reporting group |  |  |  |
| Number of subjects analysed          | 6               |  |  |  |
| Units: Liters per hour (L/hr)        |                 |  |  |  |
| arithmetic mean (standard deviation) |                 |  |  |  |
| Sunitinib                            | 26.37 (± 7.62)  |  |  |  |
| SU012662                             | 12.85 (± 3.11)  |  |  |  |

## Statistical analyses

No statistical analyses for this end point

## Primary: Maximum Observed Plasma Concentration (Cmax) of Sunitinib and its Metabolite

|                 |   |
|-----------------|---|
| End point title | Maximum Observed Plasma Concentration (Cmax) of Sunitinib and its Metabolite <sup>[4]</sup> |
|-----------------|---|

End point description:

SU012662 is the metabolite of Sunitinib. The pharmacokinetic (PK) population included all treated subjects with at least 1 PK observation.

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

End point timeframe:

Cycle 1 Day 1: pre-dose, 2, 4, 6, and 8 hours post-dose

Notes:

[4] - 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: Descriptive data analysis was planned for this endpoint.

| End point values                                    | Sunitinib       |  |  |  |
|---|-----------------|--|--|--|
| Subject group type                                  | Reporting group |  |  |  |
| Number of subjects analysed                         | 6               |  |  |  |
| Units: nanograms per milliliter (ng/mL)             |                 |  |  |  |
| geometric mean (geometric coefficient of variation) |                 |  |  |  |
| Sunitinib   | 17.58 (± 32)    |  |  |  |
| SU012662  | 2.342 (± 18)    |  |  |  |

## Statistical analyses

No statistical analyses for this end point

## Primary: Time to Reach Maximum Observed Plasma Concentration (Tmax) for Sunitinib and its Metabolite

|                 |  |
|-----------------|--|
| End point title | Time to Reach Maximum Observed Plasma Concentration (Tmax) for Sunitinib and its Metabolite <sup>[5]</sup> |
|-----------------|--|

End point description:

SU012662 is the metabolite of Sunitinib. The PK population included all treated subjects with at least 1 PK observation.

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



End point timeframe:

Cycle 1 Day 1: pre-dose, 2, 4, 6, and 8 hours post-dose

Notes:

[5] - 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: Descriptive data analysis was planned for this endpoint.

|                               |                 |  |  |  |
|-------------------------------|-----------------|--|--|--|
| <b>End point values</b>       | Sunitinib       |  |  |  |
| Subject group type            | Reporting group |  |  |  |
| Number of subjects analysed   | 6               |  |  |  |
| Units: hours                  |                 |  |  |  |
| median (full range (min-max)) |                 |  |  |  |
| Sunitinib                     | 8 (4 to 8)      |  |  |  |
| SU012662                      | 8 (4 to 8)      |  |  |  |

## Statistical analyses

No statistical analyses for this end point

### Primary: Area Under the Plasma Concentration-Time Curve From Time Zero to 8 hours Post Dose AUC(0-8) for Sunitinib and its Metabolite

|                 |   |
|-----------------|---|
| End point title | Area Under the Plasma Concentration-Time Curve From Time Zero to 8 hours Post Dose AUC(0-8) for Sunitinib and its Metabolite <sup>[6]</sup> |
|-----------------|---|

End point description:

AUC(0-8) was defined as area under the plasma concentration time-curve from time zero to 8 hours post dose. SU012662 is the metabolite of Sunitinib. The PK population included all treated subjects with at least 1 PK observation.

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

End point timeframe:

Cycle 1 Day 1: pre-dose, 2, 4, 6, and 8 hours post-dose

Notes:

[6] - 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: Descriptive data analysis was planned for this endpoint.

|   |                 |  |  |  |
|---|-----------------|--|--|--|
| <b>End point values</b>                             | Sunitinib       |  |  |  |
| Subject group type                                  | Reporting group |  |  |  |
| Number of subjects analysed                         | 6               |  |  |  |
| Units: nanograms*hour per milliliter (ng*hr)/mL     |                 |  |  |  |
| geometric mean (geometric coefficient of variation) |                 |  |  |  |
| Sunitinib   | 77.49 (± 42)    |  |  |  |
| SU012662  | 10.11 (± 37)    |  |  |  |

## Statistical analyses

No statistical analyses for this end point

### Secondary: Number of Subjects With Treatment-Emergent Adverse Events (AEs) and Serious Adverse Events (SAEs)

|                 |   |
|-----------------|---|
| End point title | Number of Subjects With Treatment-Emergent Adverse Events (AEs) and Serious Adverse Events (SAEs) |
|-----------------|---|

End point description:

An AE was any untoward medical occurrence in a subject who received study drug without regard to possibility of causal relationship. An SAE was an AE resulting in any of the following outcomes or deemed significant for any other reason: death; initial or prolonged insubject hospitalization; life-threatening experience (immediate risk of dying); persistent or significant disability/incapacity; congenital anomaly. Treatment-emergent were events between first dose of study drug and up to end of study (up to Cycle 18) that were absent before treatment or that worsened relative to pretreatment state. AEs included both non-serious adverse events (AEs) and SAEs. The as-treated population included all enrolled subjects who received at least 1 dose of study drug.

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

End point timeframe:

Baseline up to end of study (up to Cycle 18, each cycle was of 42 days)

|                             |                 |  |  |  |
|-----------------------------|-----------------|--|--|--|
| <b>End point values</b>     | Sunitinib       |  |  |  |
| Subject group type          | Reporting group |  |  |  |
| Number of subjects analysed | 6               |  |  |  |
| Units: subjects             |                 |  |  |  |
| AEs                         | 6               |  |  |  |
| SAEs                        | 0               |  |  |  |

### Statistical analyses

No statistical analyses for this end point

### Secondary: Number of Subjects With Treatment-Emergent Adverse Events (AEs) Greater Than or Equal to ( $\geq$ ) Grade 3, Based on National Cancer Institute (NCI) Common Terminology Criteria (CTC) for AEs (CTCAE), Version 4.0

|                 |  |
|-----------------|--|
| End point title | Number of Subjects With Treatment-Emergent Adverse Events (AEs) Greater Than or Equal to ( $\geq$ ) Grade 3, Based on National Cancer Institute (NCI) Common Terminology Criteria (CTC) for AEs (CTCAE), Version 4.0 |
|-----------------|--|

End point description:

An AE is any untoward medical occurrence in subject who received study drug without regard to possibility of causal relationship. As per NCI CTCAE, Grade 3 events =medically significant but not immediately life-threatening, unacceptable or intolerable events, significantly interrupting usual daily activity, require systemic drug therapy/other treatment, Grade 4 events=subject to be in imminent danger of death. Grade 5 events =death. Treatment-emergent events are events between first dose of study drug and up to end of study (up to Cycle 18) that were absent before treatment or that worsened relative to pretreatment state. Number of subjects with AEs of any of the Grade 3 or above (Grade 4, 5) were reported. The as-treated population included all enrolled subjects who received at least 1 dose of study drug.

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

End point timeframe:

Baseline up to end of study (up to Cycle 18, each cycle was of 42 days)

|                             |                 |  |  |  |
|-----------------------------|-----------------|--|--|--|
| <b>End point values</b>     | Sunitinib       |  |  |  |
| Subject group type          | Reporting group |  |  |  |
| Number of subjects analysed | 6               |  |  |  |
| Units: subjects             | 5               |  |  |  |

### Statistical analyses

No statistical analyses for this end point

### Secondary: Number of Subjects With Treatment-Related Adverse Events (AEs) and Serious Adverse Events (SAEs)

|                 |  |
|-----------------|--|
| End point title | Number of Subjects With Treatment-Related Adverse Events (AEs) and Serious Adverse Events (SAEs) |
|-----------------|--|

End point description:

An AE was any untoward medical occurrence attributed to study drug in a subject who received study drug. An SAE was an AE resulting in any of the following outcomes or deemed significant for any other reason: death; initial or prolonged insubject hospitalization; life-threatening experience (immediate risk of dying); persistent or significant disability/incapacity; congenital anomaly. AEs included both non-serious adverse events (AEs) and SAEs. The as-treated population included all enrolled subjects who received at least 1 dose of study drug.

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

End point timeframe:

Baseline up to end of study (up to Cycle 18, each cycle was of 42 days)

|                             |                 |  |  |  |
|-----------------------------|-----------------|--|--|--|
| <b>End point values</b>     | Sunitinib       |  |  |  |
| Subject group type          | Reporting group |  |  |  |
| Number of subjects analysed | 6               |  |  |  |
| Units: subjects             |                 |  |  |  |
| AEs                         | 6               |  |  |  |
| SAEs                        | 0               |  |  |  |

### Statistical analyses

No statistical analyses for this end point

### Secondary: Number of Subjects with Clinically Significant Laboratory Abnormalities

|                 |   |
|-----------------|---|
| End point title | Number of Subjects with Clinically Significant Laboratory Abnormalities |
|-----------------|---|

End point description:

Criteria for clinically significant laboratory abnormalities: Hemoglobin (Hb), hematocrit: less than (<) 0.8\*lower limit of normal (LLN), platelet: <75 or greater than (>) 700\*10<sup>3</sup>/millimeter (mm)<sup>3</sup>\*upper limit of normal (ULN), leukocyte: <2.5 or >17.5\*10<sup>3</sup>/mm<sup>3</sup>\*ULN; total bilirubin 1.5\*ULN, aspartate

aminotransferase, alanine aminotransferase, alkaline phosphatase, gamma-glutamyl transferase: >3.0\*ULN, total protein, albumin: <0.8\*LLN or >1.2\*ULN ;blood urea nitrogen, creatinine: >1.3\*ULN, uric acid >1.2\*ULN; sodium <0.95\*LLN or >1.05\*ULN, potassium, calcium: <0.9\*LLN or >1.1\*ULN, albumin, total protein <0.8\*LLN or >1.2\*ULN; glucose <0.6\*LLN or >1.5\*ULN, creatine kinase >2.0\*ULN; urine (red blood cell, white blood cell >6/high power field). The as-treated population included all enrolled subjects who received at least 1 dose of study drug.

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

End point timeframe:

Baseline up to end of study (up to Cycle 18, each cycle was of 42 days)

|                             |                 |  |  |  |
|-----------------------------|-----------------|--|--|--|
| <b>End point values</b>     | Sunitinib       |  |  |  |
| Subject group type          | Reporting group |  |  |  |
| Number of subjects analysed | 6               |  |  |  |
| Units: subjects             | 0               |  |  |  |

## Statistical analyses

No statistical analyses for this end point

## Secondary: Number of Subjects With Objective Response

|                 |  |
|-----------------|--|
| End point title | Number of Subjects With Objective Response |
|-----------------|--|

End point description:

Objective response in subjects was defined as the number of subjects with confirmed complete response (CR) or partial response (PR) according to Response Evaluation Criteria in Solid Tumors (RECIST) version 1.1. Confirmed response were those that persisted on repeat imaging study for at least 4 weeks after initial documentation of response. CR was defined as disappearance of all lesions (target and non-target). PR was defined as at least 30 percentage (%) decrease in the sum of the longest dimensions of target lesions taking as a reference the baseline sum longest dimensions, with non-target lesions not increased or absent. The full analysis set included all enrolled subjects regardless of what treatment, if any, was received.

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

End point timeframe:

Baseline until death or discontinuation from the study whichever occurred first (maximum duration: up to Cycle 18; each cycle was of 42 days)

|                             |                 |  |  |  |
|-----------------------------|-----------------|--|--|--|
| <b>End point values</b>     | Sunitinib       |  |  |  |
| Subject group type          | Reporting group |  |  |  |
| Number of subjects analysed | 6               |  |  |  |
| Units: subjects             |                 |  |  |  |
| Complete response           | 0               |  |  |  |
| Partial response            | 0               |  |  |  |

## Statistical analyses

No statistical analyses for this end point

## Secondary: Duration of Response

|                 |                      |
|-----------------|----------------------|
| End point title | Duration of Response |
|-----------------|----------------------|

End point description:

Duration of response: Time (in months) from the first documentation of objective tumor response (confirmed CR or PR) to the first documentation of disease progression or death due to any cause. Confirmed response were those that persisted on repeat imaging study for at least 4 weeks after initial documentation of response. CR: Disappearance of all lesions (target and non-target). PR: At least 30% decrease in the sum of the longest dimensions of target lesions taking as a reference the baseline sum longest dimensions, with non-target lesions not increased or absent. Progression: At least a 20% increase in the sum of diameters of target lesions, taking as reference the smallest sum on study (includes the baseline sum if that is the smallest on study). Analysis was performed on a subset of FAS which included subjects who had confirmed CR or PR. Since, none of the subjects had confirmed CR or PR, hence duration of response was not analyzed.

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

End point timeframe:

Baseline until death or discontinuation from the study whichever occurred first (maximum duration: up to Cycle 18; each cycle was of 42 days)

| End point values                 | Sunitinib        |  |  |  |
|----------------------------------|------------------|--|--|--|
| Subject group type               | Reporting group  |  |  |  |
| Number of subjects analysed      | 0 <sup>[7]</sup> |  |  |  |
| Units: months                    |                  |  |  |  |
| median (confidence interval 95%) | ( to )           |  |  |  |

Notes:

[7] - None of the subjects were confirmed response, the analysis of duration of response was not analyzed.

## Statistical analyses

No statistical analyses for this end point

## Secondary: Progression-Free Survival

|                 |                           |
|-----------------|---------------------------|
| End point title | Progression-Free Survival |
|-----------------|---------------------------|

End point description:

Progression free survival was defined as time (in months) from date of enrollment to the first documentation of disease progression or to death (due to any cause), whichever occurred first. Progression was defined as at least a 20% increase in the sum of diameters of target lesions, taking as reference the smallest sum on study (this includes the baseline sum if that is the smallest on study). The full analysis set included all enrolled subjects regardless of what treatment, if any, was received. The upper limit of 95% CI was not reached and has been denoted as 99999.

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

End point timeframe:

Baseline until death or discontinuation from the study whichever occurred first (maximum duration: up to Cycle 18; each cycle was of 42 days)

| End point values                 | Sunitinib          |  |  |  |
|----------------------------------|--------------------|--|--|--|
| Subject group type               | Reporting group    |  |  |  |
| Number of subjects analysed      | 6                  |  |  |  |
| Units: months                    |                    |  |  |  |
| median (confidence interval 95%) | 5.8 (2.3 to 99999) |  |  |  |

## Statistical analyses

No statistical analyses for this end point

### Secondary: Overall survival

|                 |                  |
|-----------------|------------------|
| End point title | Overall survival |
|-----------------|------------------|

End point description:

Overall survival was defined as time (in months) from enrollment to the date of death due to any cause. Analysis was performed using Kaplan-Meier method. The full analysis set included all enrolled subjects regardless of what treatment, if any, was received. Data was not analyzed and has been denoted as 99999, since none of the subjects died.

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

End point timeframe:

Baseline until death or discontinuation from the study whichever occurred first (maximum duration: up to Cycle 18; each cycle was of 42 days)

| End point values                 | Sunitinib              |  |  |  |
|----------------------------------|------------------------|--|--|--|
| Subject group type               | Reporting group        |  |  |  |
| Number of subjects analysed      | 6 <sup>[8]</sup>       |  |  |  |
| Units: months                    |                        |  |  |  |
| median (confidence interval 95%) | 99999 (99999 to 99999) |  |  |  |

Notes:

[8] - Data not analyzed, since none of the subjects died.

## Statistical analyses

No statistical analyses for this end point

### Secondary: Number of Subjects With Adverse Events Based on National Cancer Institute Common Terminology Criteria for Adverse Events (NCI CTCAE) for Pharmacokinetic (PK) Subgroups

|                 |   |
|-----------------|---|
| End point title | Number of Subjects With Adverse Events Based on National Cancer Institute Common Terminology Criteria for Adverse Events (NCI CTCAE) for Pharmacokinetic (PK) Subgroups |
|-----------------|---|

End point description:

AE: any untoward medical occurrence in a subject who received study drug without regard to possibility of causal relationship. As per NCI CTCAE version 4.0, Grade1= asymptomatic or mild symptoms, Grade 2= Moderate; local or noninvasive intervention indicated; Grade 3 events=medically significant but not immediately life-threatening, require systemic drug therapy/other treatment, Grade 4 events =subject to be in imminent danger of death. Grade 5 events=death. Subjects with any of the Grade 1 to Grade 5 AEs were reported. The PK evaluable subjects were divided into 2 PK subgroups on Day 28 of Cycle 1: those with total drug (sunitinib + SU012662) trough plasma concentration (C<sub>trough</sub>) value less than (<)

the median Ctrough value(lower exposure) and those with total drug (sunitinib + SU012662) Ctrough values greater than or equal to ( $\geq$ ) the median Ctrough value(higher exposure). The PK subgroup analysis set included all treated subjects with at least 1 PK observation.

|   |           |
|---|-----------|
| End point type                                    | Secondary |
| End point timeframe:                              |           |
| Cycle 1 Day 28 up to Cycle 3 (each cycle 42 days) |           |

| End point values                              | Sunitinib:<br>Lower<br>Exposure | Sunitinib:<br>Higher<br>Exposure |  |  |
|---|---------------------------------|----------------------------------|--|--|
| Subject group type                            | Subject analysis set            | Subject analysis set             |  |  |
| Number of subjects analysed                   | 3                               | 3                                |  |  |
| Units: subjects                               |                                 |                                  |  |  |
| Nausea  | 0                               | 2                                |  |  |
| Vomiting                                      | 0                               | 1                                |  |  |
| Diarrhoea                                     | 0                               | 2                                |  |  |
| Fatigue                                       | 0                               | 1                                |  |  |
| Palmar-Plantar Erythrodysesthesia<br>Syndrome | 1                               | 0                                |  |  |
| Neutropenia                                   | 2                               | 1                                |  |  |
| Thrombocytopenia                              | 1                               | 1                                |  |  |
| Lymphopenia                                   | 0                               | 0                                |  |  |
| Hypertension                                  | 0                               | 0                                |  |  |
| Anaemia                                       | 1                               | 0                                |  |  |

## Statistical analyses

No statistical analyses for this end point

## Secondary: Pearson Correlation Coefficient Between Percent Change From Baseline in Laboratory Parameters With Total Drug (Sunitinib + SU012662) Concentration

|                 |  |
|-----------------|--|
| End point title | Pearson Correlation Coefficient Between Percent Change From Baseline in Laboratory Parameters With Total Drug (Sunitinib + SU012662) Concentration |
|-----------------|--|

End point description:

Pearson correlation coefficient between percent change from baseline in laboratory parameters with total drug (Sunitinib + SU012662) concentration were calculated on Day 28 of Cycles 1, 2, and 3. Laboratory parameters included absolute neutrophil count, platelet count, lymphocyte count and hemoglobin. The PK population included all treated subjects with at least one PK observation.

|   |           |
|---|-----------|
| End point type  | Secondary |
| End point timeframe:  |           |
| Baseline, Cycle 1 Day 28 up to Cycle 3 (each cycle 42 days) |           |

| End point values                          | Sunitinib       |  |  |  |
|---|-----------------|--|--|--|
| Subject group type                        | Reporting group |  |  |  |
| Number of subjects analysed               | 6               |  |  |  |
| Units: correlation coefficient            |                 |  |  |  |
| number (not applicable)                   |                 |  |  |  |
| Absolute Neutrophil Count: Cycle 1 Day 28 | -0.1870         |  |  |  |
| Absolute Neutrophil Count: Cycle 2 Day 28 | -0.5914         |  |  |  |
| Absolute Neutrophil Count: Cycle 3 Day 28 | -0.5536         |  |  |  |
| Platelet Count: Cycle 1 Day 28            | 0.0329          |  |  |  |
| Platelet Count: Cycle 2 Day 28            | -0.6424         |  |  |  |
| Platelet Count: Cycle 3 Day 28            | -0.6604         |  |  |  |
| Lymphocyte Count: Cycle 1 Day 28          | 0.1509          |  |  |  |
| Lymphocyte Count: Cycle 2 Day 28          | -0.4815         |  |  |  |
| Lymphocyte Count: Cycle 3 Day 28          | -0.2931         |  |  |  |
| Hemoglobin: Cycle 1 Day 28                | 0.9107          |  |  |  |
| Hemoglobin: Cycle 2 Day 28                | 0.4368          |  |  |  |
| Hemoglobin: Cycle 3 Day 28                | 0.2095          |  |  |  |

## Statistical analyses

No statistical analyses for this end point

## Secondary: Pearson Correlation Coefficient Between Percent Change From Baseline in Vital Sign Results with Total Drug (Sunitinib + SU012662) Concentration

|                 |   |
|-----------------|---|
| End point title | Pearson Correlation Coefficient Between Percent Change From Baseline in Vital Sign Results with Total Drug (Sunitinib + SU012662) Concentration |
|-----------------|---|

End point description:

Pearson correlation coefficient between percent change from baseline in vital sign results with total drug (Sunitinib + SU012662) concentration were calculated on Day 28 of Cycles 1, 2, and 3. Vital signs included systolic blood pressure and diastolic blood pressure. The PK population included all treated subjects with at least one PK observation.

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

End point timeframe:

Baseline, Cycle 1 Day 28 up to Cycle 3 (each cycle 42 days)

| End point values                        | Sunitinib       |  |  |  |
|---|-----------------|--|--|--|
| Subject group type                      | Reporting group |  |  |  |
| Number of subjects analysed             | 6               |  |  |  |
| Units: correlation coefficient          |                 |  |  |  |
| number (not applicable)                 |                 |  |  |  |
| Systolic Blood Pressure: Cycle 1 Day 28 | -0.3730         |  |  |  |
| Systolic Blood Pressure: Cycle 2 Day 28 | -0.8146         |  |  |  |



|  |         |  |  |  |
|--|---------|--|--|--|
| Systolic Blood Pressure: Cycle 3 Day 28  | 0.2768  |  |  |  |
| Diastolic Blood Pressure: Cycle 1 Day 28 | 0.6854  |  |  |  |
| Diastolic Blood Pressure: Cycle 2 Day 28 | -0.3638 |  |  |  |
| Diastolic Blood Pressure: Cycle 3 Day 28 | 0.2634  |  |  |  |

## Statistical analyses

No statistical analyses for this end point

## Secondary: Number of Subjects With Stable Disease (SD), Partial Response (PR), Complete Response (CR) and Progressive Disease (PD) for PK Sub-groups

|                 |   |
|-----------------|---|
| End point title | Number of Subjects With Stable Disease (SD), Partial Response (PR), Complete Response (CR) and Progressive Disease (PD) for PK Sub-groups |
|-----------------|---|

End point description:

SD:when there is no sufficient shrinkage to qualify for PR nor sufficient increase to qualify for PD, taking as reference the smallest sum diameters while on study. PR:as at least 30% decrease in the sum of the longest dimensions of target lesions taking as a reference the baseline sum longest dimensions, with non-target lesions not increased or absent. CR:disappearance of all lesions (target and non-target). PD:at least a 20% increase in the sum of diameters of target lesions, taking as reference the smallest sum on study. Subjects with SD, PR, CR and PD responses were assessed according to 2 PK subgroups created on Day 28 of Cycle 1: those with total drug (sunitinib + SU012662) trough plasma concentration (C<sub>trough</sub>) value < the median C<sub>trough</sub> value(lower exposure) and those with total drug (sunitinib + SU012662) C<sub>trough</sub> values ≥ the median C<sub>trough</sub> value(higher exposure). The PK subgroup analysis set included all treated subjects with at least 1 PK observation.

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

End point timeframe:

Baseline until disease progression or discontinuation from the study, or death, whichever occurred first(maximum duration: up to Cycle 18; each cycle was of 42 days)

| End point values            | Sunitinib:<br>Lower<br>Exposure | Sunitinib:<br>Higher<br>Exposure |  |  |
|-----------------------------|---------------------------------|----------------------------------|--|--|
| Subject group type          | Subject analysis set            | Subject analysis set             |  |  |
| Number of subjects analysed | 3                               | 3                                |  |  |
| Units: subjects             |                                 |                                  |  |  |
| Stable Disease              | 1                               | 2                                |  |  |
| Partial Response            | 0                               | 0                                |  |  |
| Complete Response           | 0                               | 0                                |  |  |
| Progressive Disease         | 2                               | 1                                |  |  |

## Statistical analyses

No statistical analyses for this end point

## Secondary: Progression Free Survival for PK Sub-groups

|                 |   |
|-----------------|---|
| End point title | Progression Free Survival for PK Sub-groups |
|-----------------|---|

End point description:

Progression free survival was defined as time (in months) from date of enrollment to the first documentation of disease progression or to death (due to any cause), whichever occurred first. Progression was defined as at least a 20% increase in the sum of diameters of target lesions, taking as reference the smallest sum on study (this includes the baseline sum if that is the smallest on study). The PK evaluable subjects were assessed according to 2 PK subgroups created on Day 28 of Cycle 1: those with total drug (sunitinib + SU012662) trough plasma concentration (C<sub>trough</sub>) value less than (<) the median C<sub>trough</sub> value(lower exposure) and those with total drug (sunitinib + SU012662) C<sub>trough</sub> values greater than or equal to (≥) the median C<sub>trough</sub> value(higher exposure). The PK population included all treated subjects with at least one PK observation.

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

End point timeframe:

Baseline until disease progression or discontinuation from the study, or death, whichever occurred first (maximum duration: up to Cycle 18; each cycle was of 42 days)

| End point values                 | Sunitinib:<br>Lower<br>Exposure | Sunitinib:<br>Higher<br>Exposure |  |  |
|----------------------------------|---------------------------------|----------------------------------|--|--|
| Subject group type               | Subject analysis set            | Subject analysis set             |  |  |
| Number of subjects analysed      | 3                               | 3                                |  |  |
| Units: months                    |                                 |                                  |  |  |
| median (confidence interval 95%) | 2.6 (2.4 to 99999)              | 9.0 (2.3 to 99999)               |  |  |

## Statistical analyses

No statistical analyses for this end point

## Secondary: Pearson Correlation Coefficient Between Progression Free Survival With Total Drug (Sunitinib + SU012662) Concentration

|                 |  |
|-----------------|--|
| End point title | Pearson Correlation Coefficient Between Progression Free Survival With Total Drug (Sunitinib + SU012662) Concentration |
|-----------------|--|

End point description:

Pearson correlation coefficient between Progression Free Survival (PFS) with total drug (Sunitinib + SU012662) concentration at Day 28 of Cycle 1 was calculated. PFS was defined as time (in months) from date of enrollment to the first documentation of disease progression or to death (due to any cause), whichever occurred first. Progression was defined as at least a 20% increase in the sum of diameters of target lesions, taking as reference the smallest sum on study (this includes the baseline sum if that is the smallest on study). The PK population included all treated subjects with at least one PK observation.

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

End point timeframe:

Baseline until disease progression or discontinuation from the study, or death, whichever occurred first (maximum duration: up to Cycle 18; each cycle was of 42 days)

| End point values               | Sunitinib       |  |  |  |
|--------------------------------|-----------------|--|--|--|
| Subject group type             | Reporting group |  |  |  |
| Number of subjects analysed    | 6               |  |  |  |
| Units: correlation coefficient |                 |  |  |  |
| number (not applicable)        | 0.5904          |  |  |  |

### Statistical analyses

No statistical analyses for this end point

### Secondary: Estimated Sunitinib Plasma Concentration at Which 50% of the Maximum Effect (EC50) for each Selected Efficacy Parameter (e.g., Sum of Largest Diameters for Target Tumors) was Observed

|                 |   |
|-----------------|---|
| End point title | Estimated Sunitinib Plasma Concentration at Which 50% of the Maximum Effect (EC50) for each Selected Efficacy Parameter (e.g., Sum of Largest Diameters for Target Tumors) was Observed |
|-----------------|---|

End point description:

Due to low number of enrolled subjects (n=6), there was insufficient data to perform any type of pharmacokinetic/pharmacodynamic modeling to obtain EC50 values, hence data is not reported.

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

End point timeframe:

Cycle 1 Day 1: pre-dose, 2, 4, 6, and 8 hours post-dose

| End point values                                    | Sunitinib        |  |  |  |
|---|------------------|--|--|--|
| Subject group type                                  | Reporting group  |  |  |  |
| Number of subjects analysed                         | 0 <sup>[9]</sup> |  |  |  |
| Units: ng/mL  |                  |  |  |  |
| geometric mean (geometric coefficient of variation) | ( )              |  |  |  |

Notes:

[9] - Data for this endpoint was not collected and summarized due to change in planned analysis.

### Statistical analyses

No statistical analyses for this end point

### Secondary: Estimated Sunitinib Plasma Concentration at Which 50% of the Maximum Effect (EC50) for Each Selected Safety Endpoint (e.g., Absolute Neutrophil Count) was Observed

|                 |   |
|-----------------|---|
| End point title | Estimated Sunitinib Plasma Concentration at Which 50% of the Maximum Effect (EC50) for Each Selected Safety Endpoint (e.g., Absolute Neutrophil Count) was Observed |
|-----------------|---|

End point description:

Due to low number of enrolled subjects (n=6), there was insufficient data to perform any type of pharmacokinetic/pharmacodynamic modeling to obtain EC50 values, hence data is not reported.

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

---

End point timeframe:

Cycle 1 Day 1: pre-dose, 2, 4, 6, and 8 hours post-dose

---

|   |                   |  |  |  |
|---|-------------------|--|--|--|
| <b>End point values</b>                             | Sunitinib         |  |  |  |
| Subject group type                                  | Reporting group   |  |  |  |
| Number of subjects analysed                         | 0 <sup>[10]</sup> |  |  |  |
| Units: ng/mL  |                   |  |  |  |
| geometric mean (geometric coefficient of variation) | ( )               |  |  |  |

Notes:

[10] - Data for this endpoint was not collected and summarized due to change in planned analysis.

### Statistical analyses

---

No statistical analyses for this end point

## Adverse events

### Adverse events information

Timeframe for reporting adverse events:

Baseline up to end of study (up to Cycle 18, each cycle was of 42 days)

Adverse event reporting additional description:

Same event may appear as both an AE and SAE. However, what is presented are distinct events. An event may be categorized as serious in one subject and as non-serious in another, or a subject may have experienced both a serious and non-serious event.

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

### Dictionary used

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

|                    |      |
|--------------------|------|
| Dictionary version | 20.0 |
|--------------------|------|

### Reporting groups

|                       |           |
|-----------------------|-----------|
| Reporting group title | Sunitinib |
|-----------------------|-----------|

Reporting group description:

Subjects were dosed based on the body surface area. The starting dose of Sunitinib was 15 milligram/ meter square (mg/m<sup>2</sup>) per day administered orally, from Day 1 to 28 in each treatment cycle of 42 days until completion of study treatment, disease progression, unacceptable toxicity, required a treatment rest (greater than [ $>4$ ] weeks), withdrawal of subject consent, or if other withdrawal criteria were met.

| Serious adverse events                            | Sunitinib     |  |  |
|---|---------------|--|--|
| Total subjects affected by serious adverse events |               |  |  |
| subjects affected / exposed                       | 0 / 6 (0.00%) |  |  |
| number of deaths (all causes)                     | 0             |  |  |
| number of deaths resulting from adverse events    |               |  |  |

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

| Non-serious adverse events                            | Sunitinib       |  |  |
|---|-----------------|--|--|
| Total subjects affected by non-serious adverse events |                 |  |  |
| subjects affected / exposed                           | 6 / 6 (100.00%) |  |  |
| General disorders and administration site conditions  |                 |  |  |
| Asthenia  |                 |  |  |
| subjects affected / exposed                           | 1 / 6 (16.67%)  |  |  |
| occurrences (all)                                     | 1               |  |  |
| Chest pain  |                 |  |  |
| subjects affected / exposed                           | 1 / 6 (16.67%)  |  |  |
| occurrences (all)                                     | 1               |  |  |

|  |  |  |  |
|--|--|--|--|
| Fatigue<br>subjects affected / exposed<br>occurrences (all)  | 1 / 6 (16.67%)<br>3  |  |  |
| Respiratory, thoracic and mediastinal disorders<br>Epistaxis<br>subjects affected / exposed<br>occurrences (all)<br><br>Nasal congestion<br>subjects affected / exposed<br>occurrences (all)   | 1 / 6 (16.67%)<br>2<br><br>1 / 6 (16.67%)<br>1   |  |  |
| Psychiatric disorders<br>Insomnia<br>subjects affected / exposed<br>occurrences (all)  | 1 / 6 (16.67%)<br>3  |  |  |
| Investigations<br>Alanine aminotransferase increased<br>subjects affected / exposed<br>occurrences (all)<br><br>Amylase increased<br>subjects affected / exposed<br>occurrences (all)<br><br>Aspartate aminotransferase increased<br>subjects affected / exposed<br>occurrences (all)<br><br>Blood alkaline phosphatase<br>subjects affected / exposed<br>occurrences (all)<br><br>Blood phosphorus increased<br>subjects affected / exposed<br>occurrences (all)<br><br>Blood uric acid increased<br>subjects affected / exposed<br>occurrences (all)<br><br>Eosinophil count decreased<br>subjects affected / exposed<br>occurrences (all) | 1 / 6 (16.67%)<br>1<br><br>1 / 6 (16.67%)<br>1<br><br>1 / 6 (16.67%)<br>1<br><br>1 / 6 (16.67%)<br>1<br><br>1 / 6 (16.67%)<br>1<br><br>1 / 6 (16.67%)<br>2 |  |  |

|   |   |  |  |
|---|---|--|--|
| Lymphocyte count decreased<br>subjects affected / exposed<br>occurrences (all)  | 1 / 6 (16.67%)<br>2   |  |  |
| Neutrophil count decreased<br>subjects affected / exposed<br>occurrences (all)  | 1 / 6 (16.67%)<br>12  |  |  |
| Weight decreased<br>subjects affected / exposed<br>occurrences (all)  | 1 / 6 (16.67%)<br>1   |  |  |
| White blood cell count decreased<br>subjects affected / exposed<br>occurrences (all)  | 3 / 6 (50.00%)<br>14  |  |  |
| Cardiac disorders<br>Palpitations<br>subjects affected / exposed<br>occurrences (all)   | 1 / 6 (16.67%)<br>1   |  |  |
| Nervous system disorders<br>Headache<br>subjects affected / exposed<br>occurrences (all)<br><br>Migraine<br>subjects affected / exposed<br>occurrences (all)  | 4 / 6 (66.67%)<br>10<br><br>1 / 6 (16.67%)<br>1   |  |  |
| Blood and lymphatic system disorders<br>Anaemia<br>subjects affected / exposed<br>occurrences (all)<br><br>Leukopenia<br>subjects affected / exposed<br>occurrences (all)<br><br>Lymphopenia<br>subjects affected / exposed<br>occurrences (all)<br><br>Neutropenia<br>subjects affected / exposed<br>occurrences (all)<br><br>Thrombocytopenia | 2 / 6 (33.33%)<br>7<br><br>1 / 6 (16.67%)<br>1<br><br>1 / 6 (16.67%)<br>1<br><br>3 / 6 (50.00%)<br>23 |  |  |

|  |                     |  |  |
|--|---------------------|--|--|
| subjects affected / exposed<br>occurrences (all)   | 2 / 6 (33.33%)<br>5 |  |  |
| Eye disorders<br>Vision blurred<br>subjects affected / exposed<br>occurrences (all)              | 1 / 6 (16.67%)<br>2 |  |  |
| Gastrointestinal disorders<br>Abdominal pain<br>subjects affected / exposed<br>occurrences (all) | 1 / 6 (16.67%)<br>1 |  |  |
| Constipation<br>subjects affected / exposed<br>occurrences (all)                                 | 1 / 6 (16.67%)<br>1 |  |  |
| Diarrhoea<br>subjects affected / exposed<br>occurrences (all)                                    | 3 / 6 (50.00%)<br>4 |  |  |
| Dyspepsia<br>subjects affected / exposed<br>occurrences (all)                                    | 2 / 6 (33.33%)<br>2 |  |  |
| Impaired gastric emptying<br>subjects affected / exposed<br>occurrences (all)                    | 1 / 6 (16.67%)<br>1 |  |  |
| Intra-abdominal haemorrhage<br>subjects affected / exposed<br>occurrences (all)                  | 1 / 6 (16.67%)<br>1 |  |  |
| Lip discolouration<br>subjects affected / exposed<br>occurrences (all)                           | 1 / 6 (16.67%)<br>1 |  |  |
| Nausea<br>subjects affected / exposed<br>occurrences (all)                                       | 3 / 6 (50.00%)<br>5 |  |  |
| Sensitivity of teeth<br>subjects affected / exposed<br>occurrences (all)                         | 1 / 6 (16.67%)<br>1 |  |  |
| Vomiting   |                     |  |  |



|   |   |  |  |
|---|---|--|--|
| subjects affected / exposed<br>occurrences (all)  | 1 / 6 (16.67%)<br>2   |  |  |
| Hepatobiliary disorders<br>Hepatic haematoma<br>subjects affected / exposed<br>occurrences (all)  | 1 / 6 (16.67%)<br>1   |  |  |
| Skin and subcutaneous tissue disorders<br>Acne<br>subjects affected / exposed<br>occurrences (all)<br><br>Alopecia<br>subjects affected / exposed<br>occurrences (all)<br><br>Erythema<br>subjects affected / exposed<br>occurrences (all)<br><br>Hair colour changes<br>subjects affected / exposed<br>occurrences (all)<br><br>Palmar-plantar erythrodysaesthesia<br>syndrome<br>subjects affected / exposed<br>occurrences (all)<br><br>Pruritus<br>subjects affected / exposed<br>occurrences (all)<br><br>Rash<br>subjects affected / exposed<br>occurrences (all) | 1 / 6 (16.67%)<br>1<br><br>1 / 6 (16.67%)<br>1<br><br>1 / 6 (16.67%)<br>2<br><br>1 / 6 (16.67%)<br>1<br><br>1 / 6 (16.67%)<br>2<br><br>1 / 6 (16.67%)<br>5<br><br>1 / 6 (16.67%)<br>1 |  |  |
| Endocrine disorders<br>Hypothyroidism<br>subjects affected / exposed<br>occurrences (all)   | 1 / 6 (16.67%)<br>2   |  |  |
| Musculoskeletal and connective tissue<br>disorders<br>Back pain<br>subjects affected / exposed<br>occurrences (all)   | 2 / 6 (33.33%)<br>2   |  |  |

|   |                     |  |  |
|---|---------------------|--|--|
| Muscle spasms<br>subjects affected / exposed<br>occurrences (all)             | 1 / 6 (16.67%)<br>6 |  |  |
| Musculoskeletal stiffness<br>subjects affected / exposed<br>occurrences (all) | 1 / 6 (16.67%)<br>4 |  |  |
| Myalgia<br>subjects affected / exposed<br>occurrences (all)                   | 1 / 6 (16.67%)<br>1 |  |  |
| Neck pain<br>subjects affected / exposed<br>occurrences (all)                 | 1 / 6 (16.67%)<br>2 |  |  |
| Infections and infestations   |                     |  |  |
| Ear infection<br>subjects affected / exposed<br>occurrences (all)             | 1 / 6 (16.67%)<br>1 |  |  |
| Folliculitis<br>subjects affected / exposed<br>occurrences (all)              | 1 / 6 (16.67%)<br>1 |  |  |
| Herpes simplex<br>subjects affected / exposed<br>occurrences (all)            | 1 / 6 (16.67%)<br>1 |  |  |
| Nasopharyngitis<br>subjects affected / exposed<br>occurrences (all)           | 1 / 6 (16.67%)<br>1 |  |  |
| Otitis media<br>subjects affected / exposed<br>occurrences (all)              | 1 / 6 (16.67%)<br>1 |  |  |
| Sinusitis<br>subjects affected / exposed<br>occurrences (all)                 | 1 / 6 (16.67%)<br>1 |  |  |
| Tooth infection<br>subjects affected / exposed<br>occurrences (all)           | 1 / 6 (16.67%)<br>1 |  |  |
| Upper respiratory tract infection   |                     |  |  |

|                                    |                |  |  |
|------------------------------------|----------------|--|--|
| subjects affected / exposed        | 1 / 6 (16.67%) |  |  |
| occurrences (all)                  | 1              |  |  |
| Viral infection                    |                |  |  |
| subjects affected / exposed        | 1 / 6 (16.67%) |  |  |
| occurrences (all)                  | 1              |  |  |
| Metabolism and nutrition disorders |                |  |  |
| Decreased appetite                 |                |  |  |
| subjects affected / exposed        | 2 / 6 (33.33%) |  |  |
| occurrences (all)                  | 3              |  |  |
| Hyperglycaemia                     |                |  |  |
| subjects affected / exposed        | 1 / 6 (16.67%) |  |  |
| occurrences (all)                  | 1              |  |  |
| Hyperkalaemia                      |                |  |  |
| subjects affected / exposed        | 1 / 6 (16.67%) |  |  |
| occurrences (all)                  | 2              |  |  |
| Hypermagnesaemia                   |                |  |  |
| subjects affected / exposed        | 1 / 6 (16.67%) |  |  |
| occurrences (all)                  | 1              |  |  |
| Hypocalcaemia                      |                |  |  |
| subjects affected / exposed        | 1 / 6 (16.67%) |  |  |
| occurrences (all)                  | 1              |  |  |
| Hypoglycaemia                      |                |  |  |
| subjects affected / exposed        | 1 / 6 (16.67%) |  |  |
| occurrences (all)                  | 1              |  |  |
| Hypophosphataemia                  |                |  |  |
| subjects affected / exposed        | 1 / 6 (16.67%) |  |  |
| occurrences (all)                  | 3              |  |  |

## More information

### Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date         | Amendment   |
|--------------|---|
| 11 June 2012 | The purpose was to revise The Schedule of Activities and associated protocol sections to include growth and pubertal maturation assessments for paediatric subjects, a reduced mandatory visit schedule after Cycle 3, and clarification of standard tumor analysis requirements. The term "chemotherapy naïve" was removed from the study design and the associated secondary objective to study tolerability in pediatric subjects with GIST. |
| 31 July 2017 | The purpose was to reduce the numbers of subjects enrolled in the study (in the range of age from 6 to < 18) from 15 to 6 evaluable subjects. The centralized review of imaging (ie, MRI, CT scans etc) aimed to confirm the efficacy endpoint was no longer required. As this study is part of a PIP, both these changes had been agreed with EMA's Pediatric Committee (PDCO) and are aligned with the PIP binding elements.                  |

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.

|   |
|---|
| Data for Estimated steady-state C <sub>max</sub> , AUC <sub>24</sub> and CL/F will be estimated and reported separately as part of the Non-linear Mixed Effects Modeling analysis, and will be provided once available. |
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Notes: