



## Clinical trial results:

**A randomized, double-blind, placebo controlled, multicenter Phase II study to assess the efficacy and safety of Sorafenib added to standard treatment with Topotecan in patients with platinum-resistant recurrent ovarian cancer**

### Summary

|                          |                  |
|--------------------------|------------------|
| EudraCT number           | 2009-011922-33   |
| Trial protocol           | DE               |
| Global end of trial date | 10 February 2015 |

### Results information

|                                |                   |
|--------------------------------|-------------------|
| Result version number          | v1 (current)      |
| This version publication date  | 09 September 2022 |
| First version publication date | 09 September 2022 |

### Trial information

#### Trial identification

|                       |           |
|-----------------------|-----------|
| Sponsor protocol code | TRIAS2009 |
|-----------------------|-----------|

#### Additional study identifiers

|                                    |             |
|------------------------------------|-------------|
| ISRCTN number                      | -           |
| ClinicalTrials.gov id (NCT number) | NCT01047891 |
| WHO universal trial number (UTN)   | -           |

Notes:

### Sponsors

|                              |   |
|------------------------------|---|
| Sponsor organisation name    | Charité – Universitätsmedizin Berlin  |
| Sponsor organisation address | Charitéplatz 1, Berlin, Germany, 10117  |
| Public contact               | Dr Radoslav Chekerov, Department of Gynecology, Augustenburger Platz 1, 13353 Berlin, +49 030450 664399, radoslav.chekerov@charite.de |
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Notes:

### Paediatric regulatory details

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

Notes:

## Results analysis stage

|  |                  |
|--|------------------|
| Analysis stage                                       | Final            |
| Date of interim/final analysis                       | 27 May 2015      |
| Is this the analysis of the primary completion data? | Yes              |
| Primary completion date                              | 10 February 2015 |
| Global end of trial reached?                         | Yes              |
| Global end of trial date                             | 10 February 2015 |
| Was the trial ended prematurely?                     | No               |

Notes:

## General information about the trial

Main objective of the trial:

Determination of the progression-free survival (PFS) of patients treated with topotecan + sorafenib versus topotecan + placebo

Protection of trial subjects:

The study was conducted in accordance with the 1996 Declaration of Helsinki, the International Conference on Harmonisation Good Clinical Practice (GCP) recommendations, and provisions of the German Medicines Act and the GCP Ordinance of August 2000.

Background therapy: -

Evidence for comparator: -

|   |                 |
|---|-----------------|
| Actual start date of recruitment                          | 18 January 2010 |
| 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 | Germany: 172 |
| Worldwide total number of subjects   | 172          |
| EEA total number of subjects         | 172          |

Notes:

### Subjects enrolled per age group

|   |    |
|---|----|
| In utero                                  | 0  |
| Preterm newborn - gestational age < 37 wk | 0  |
| Newborns (0-27 days)                      | 0  |
| Infants and toddlers (28 days-23 months)  | 0  |
| Children (2-11 years)                     | 0  |
| Adolescents (12-17 years)                 | 0  |
| Adults (18-64 years)                      | 86 |
| From 65 to 84 years                       | 86 |
| 85 years and over                         | 0  |

## Subject disposition

### Recruitment

Recruitment details:

Between 18 January 2010, and 19 September 2013, 185 patients were enrolled from 20 sites in Germany; Two patients in the sorafenib group had serious adverse events before treatment and were excluded from analyses

### Pre-assignment

Screening details:

assessed for eligibility: 185  
excluded: 11  
randomised: 174

### Period 1

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

### Arms

|                              |                           |
|------------------------------|---------------------------|
| Are arms mutually exclusive? | Yes                       |
| <b>Arm title</b>             | Sorafenib+topotecan Group |

Arm description: -

|  |                    |
|--|--------------------|
| Arm type                               | Experimental       |
| Investigational medicinal product name | Sorafenib          |
| Investigational medicinal product code |                    |
| Other name                             |                    |
| Pharmaceutical forms                   | Film-coated tablet |
| Routes of administration               | Oral use           |

Dosage and administration details:

400mg on days 6-15 every 21 days for six cycles followed by daily maintenance sorafenib for up to 1 year in patients without progression

|  |                                  |
|--|----------------------------------|
| Investigational medicinal product name | Topotecan                        |
| Investigational medicinal product code |                                  |
| Other name                             | Hycamtin                         |
| Pharmaceutical forms                   | Powder for solution for infusion |
| Routes of administration               | Intravenous use                  |

Dosage and administration details:

1.25 mg/m<sup>2</sup> on days 1-5

|                  |                         |
|------------------|-------------------------|
| <b>Arm title</b> | Placebo+topotecan Group |
|------------------|-------------------------|

Arm description: -

|  |                                  |
|--|----------------------------------|
| Arm type                               | Placebo                          |
| Investigational medicinal product name | Topotecan                        |
| Investigational medicinal product code |                                  |
| Other name                             | Hycamtin                         |
| Pharmaceutical forms                   | Powder for solution for infusion |
| Routes of administration               | Intravenous use                  |

Dosage and administration details:

1.25 mg/m<sup>2</sup> on days 1-5

|  |                    |
|--|--------------------|
| Investigational medicinal product name | Placebo            |
| Investigational medicinal product code |                    |
| Other name                             |                    |
| Pharmaceutical forms                   | Film-coated tablet |
| Routes of administration               | Oral use           |

Dosage and administration details:

400mg placebo twice daily on days 6-15, repeated every 21 days for up to six cycles.

| <b>Number of subjects in period 1</b> | Sorafenib+topotecan Group | Placebo+topotecan Group |
|---------------------------------------|---------------------------|-------------------------|
| Started                               | 83                        | 89                      |
| Completed                             | 47                        | 47                      |
| Not completed                         | 36                        | 42                      |
| Adverse event, serious fatal          | 4                         | -                       |
| Consent withdrawn by subject          | 11                        | 6                       |
| N/A                                   | 6                         | 3                       |
| Adverse event, non-fatal              | 6                         | 6                       |
| Lost to follow-up                     | 1                         | -                       |
| disease progression                   | 8                         | 27                      |

## Period 2

|                              |                         |
|------------------------------|-------------------------|
| Period 2 title               | Maintenance phase       |
| Is this the baseline period? | No                      |
| Allocation method            | Randomised - controlled |
| Blinding used                | Double blind            |
| Roles blinded                | Subject, Investigator   |

## Arms

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

|                  |                           |
|------------------|---------------------------|
| <b>Arm title</b> | Sorafenib+topotecan group |
|------------------|---------------------------|

Arm description: -

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

|  |           |
|--|-----------|
| Investigational medicinal product name | Sorafenib |
|--|-----------|

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

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

|                      |                    |
|----------------------|--------------------|
| Pharmaceutical forms | Film-coated tablet |
|----------------------|--------------------|

|                          |          |
|--------------------------|----------|
| Routes of administration | Oral use |
|--------------------------|----------|

Dosage and administration details:

400mg on days 6-15 every 21 days for six cycles followed by daily maintenance sorafenib for up to 1 year in patients without progression

|                  |                         |
|------------------|-------------------------|
| <b>Arm title</b> | Placebo+topotecan Group |
|------------------|-------------------------|

Arm description: -

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

|  |                    |
|--|--------------------|
| Investigational medicinal product name | Placebo            |
| Investigational medicinal product code |                    |
| Other name                             |                    |
| Pharmaceutical forms                   | Film-coated tablet |
| Routes of administration               | Oral use           |

Dosage and administration details:

400mg placebo twice daily on days 6-15, repeated every 21 days for up to six cycles.

| <b>Number of subjects in period 2</b> | <b>Sorafenib+topotecan group</b> | <b>Placebo+topotecan Group</b> |
|---------------------------------------|----------------------------------|--------------------------------|
| Started                               | 47                               | 47                             |
| Completed                             | 1                                | 0                              |
| Not completed                         | 46                               | 47                             |
| Adverse event, serious fatal          | -                                | 1                              |
| Consent withdrawn by subject          | 6                                | -                              |
| N/A                                   | 2                                | 2                              |
| Adverse event, non-fatal              | 1                                | 2                              |
| Lost to follow-up                     | 1                                | -                              |
| disease progression                   | 24                               | 29                             |
| Protocol deviation                    | 12                               | 13                             |

## Baseline characteristics

### Reporting groups

|                                |                           |
|--------------------------------|---------------------------|
| Reporting group title          | Sorafenib+topotecan Group |
| Reporting group description: - |                           |
| Reporting group title          | Placebo+topotecan Group   |
| Reporting group description: - |                           |

| Reporting group values             | Sorafenib+topotecan Group | Placebo+topotecan Group | Total |
|------------------------------------|---------------------------|-------------------------|-------|
| Number of subjects                 | 83                        | 89                      | 172   |
| Age categorical<br>Units: Subjects |                           |                         |       |

|   |                |                |     |
|---|----------------|----------------|-----|
| Age continuous<br>Units: years<br>median<br>full range (min-max)  | 59<br>31 to 78 | 58<br>25 to 79 | -   |
| Gender categorical<br>Units: Subjects<br>No gender specifications | 83             | 89             | 172 |

|  |    |    |     |
|--|----|----|-----|
| FIGO stage   |    |    |     |
| FIGO=International Federation of Gynecology and Obstetrics |    |    |     |
| Units: Subjects  |    |    |     |
| Stage I  | 0  | 4  | 4   |
| Stage II   | 7  | 3  | 10  |
| Stage III  | 49 | 54 | 103 |
| Stage IV   | 18 | 20 | 38  |
| Unknown  | 9  | 8  | 17  |

|                              |    |    |     |
|------------------------------|----|----|-----|
| Histology<br>Units: Subjects |    |    |     |
| Serous                       | 69 | 67 | 136 |
| Other                        | 14 | 22 | 36  |

|                          |    |    |     |
|--------------------------|----|----|-----|
| Grade<br>Units: Subjects |    |    |     |
| Grade 1                  | 3  | 2  | 5   |
| Grade 2                  | 22 | 25 | 47  |
| Grade 3                  | 49 | 58 | 107 |
| Unknown                  | 9  | 4  | 13  |

|                            |    |    |     |
|----------------------------|----|----|-----|
| Ascites<br>Units: Subjects |    |    |     |
| Yes                        | 30 | 33 | 63  |
| No                         | 48 | 54 | 102 |
| unknown                    | 5  | 2  | 7   |

|   |    |    |    |
|---|----|----|----|
| ECOG performance                        |    |    |    |
| ECOG=Eastern Cooperative Oncology Group |    |    |    |
| Units: Subjects                         |    |    |    |
| Status 0                                | 45 | 47 | 92 |
| Status 1                                | 33 | 38 | 71 |

|  |    |    |    |
|--|----|----|----|
| Status 2                                 | 3  | 1  | 4  |
| Unknown                                  | 2  | 3  | 5  |
| Residual disease after primary debulking |    |    |    |
| Units: Subjects                          |    |    |    |
| No surgery                               | 11 | 12 | 23 |
| Microscopic                              | 25 | 26 | 51 |
| <1 cm                                    | 16 | 17 | 33 |
| ≥1 cm                                    | 13 | 15 | 28 |
| Missing/unknown                          | 18 | 19 | 37 |

## End points

### End points reporting groups

|                                |                           |
|--------------------------------|---------------------------|
| Reporting group title          | Sorafenib+topotecan Group |
| Reporting group description: - |                           |
| Reporting group title          | Placebo+topotecan Group   |
| Reporting group description: - |                           |
| Reporting group title          | Sorafenib+topotecan group |
| Reporting group description: - |                           |
| Reporting group title          | Placebo+topotecan Group   |
| Reporting group description: - |                           |

### Primary: Progression-free survival

|                        |  |
|------------------------|--|
| End point title        | Progression-free survival  |
| End point description: | The primary endpoint was investigator-assessed PFS, defined as the interval between first treatment cycle and disease progression or death from any cause. |
| End point type         | Primary  |
| End point timeframe:   | 36 months  |

| End point values                 | Sorafenib+topotecan Group | Placebo+topotecan Group |  |  |
|----------------------------------|---------------------------|-------------------------|--|--|
| Subject group type               | Reporting group           | Reporting group         |  |  |
| Number of subjects analysed      | 83                        | 89                      |  |  |
| Units: Months                    |                           |                         |  |  |
| median (confidence interval 95%) | 6.7 (5.8 to 7.6)          | 4.4 (3.7 to 5.0)        |  |  |

### Statistical analyses

|   |   |
|---|---|
| Statistical analysis title              | Change of the PFS                                   |
| Comparison groups                       | Sorafenib+topotecan Group v Placebo+topotecan Group |
| Number of subjects included in analysis | 172   |
| Analysis specification                  | Pre-specified                                       |
| Analysis type                           | superiority   |
| P-value                                 | < 0.05  |
| Method                                  | t-test, 2-sided                                     |

### Secondary: objective response rate by RECIST

|                 |                                   |
|-----------------|-----------------------------------|
| End point title | objective response rate by RECIST |
|-----------------|-----------------------------------|

End point description:

End point type Secondary

End point timeframe:  
60 months

| <b>End point values</b>     | Sorafenib+topotecan Group | Placebo+topotecan Group |  |  |
|-----------------------------|---------------------------|-------------------------|--|--|
| Subject group type          | Reporting group           | Reporting group         |  |  |
| Number of subjects analysed | 39                        | 50                      |  |  |
| Units: percent              |                           |                         |  |  |
| number (not applicable)     | 31                        | 12                      |  |  |

### Statistical analyses

No statistical analyses for this end point

### Secondary: duration of response

End point title duration of response

End point description:

End point type Secondary

End point timeframe:  
60 months

| <b>End point values</b>          | Sorafenib+topotecan Group | Placebo+topotecan Group |  |  |
|----------------------------------|---------------------------|-------------------------|--|--|
| Subject group type               | Reporting group           | Reporting group         |  |  |
| Number of subjects analysed      | 83                        | 89                      |  |  |
| Units: Month                     |                           |                         |  |  |
| median (confidence interval 95%) | 21.0 (17.3 to 24.7)       | 14.0 (8.2 to 19.8)      |  |  |

### Statistical analyses

No statistical analyses for this end point

## Adverse events

### Adverse events information

Timeframe for reporting adverse events:

60 months

Adverse event reporting additional description:

for more AE/SAE details see table 2 [https://linkinghub.elsevier.com/retrieve/pii/S1470-2045\(18\)30372-3](https://linkinghub.elsevier.com/retrieve/pii/S1470-2045(18)30372-3) "open manuscript"

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

### Dictionary used

|                 |       |
|-----------------|-------|
| Dictionary name | CTCAE |
|-----------------|-------|

|                    |     |
|--------------------|-----|
| Dictionary version | 4.0 |
|--------------------|-----|

### Reporting groups

|                       |                     |
|-----------------------|---------------------|
| Reporting group title | Topotecan/sorafenib |
|-----------------------|---------------------|

Reporting group description:

Grad 3/4/5 were put together as sAE

|                       |                   |
|-----------------------|-------------------|
| Reporting group title | Topotecan/placebo |
|-----------------------|-------------------|

Reporting group description: -

| <b>Serious adverse events</b>                     | Topotecan/sorafenib | Topotecan/placebo |  |
|---|---------------------|-------------------|--|
| Total subjects affected by serious adverse events |                     |                   |  |
| subjects affected / exposed                       | 80 / 83 (96.39%)    | 82 / 89 (92.13%)  |  |
| number of deaths (all causes)                     | 2                   | 5                 |  |
| number of deaths resulting from adverse events    | 0                   |                   |  |
| Investigations                                    |                     |                   |  |
| Hypokalaemia                                      |                     |                   |  |
| subjects affected / exposed                       | 4 / 83 (4.82%)      | 5 / 89 (5.62%)    |  |
| occurrences causally related to treatment / all   | 0 / 4               | 0 / 5             |  |
| deaths causally related to treatment / all        | 0 / 0               | 0 / 0             |  |
| Hyponatraemia                                     |                     |                   |  |
| subjects affected / exposed                       | 4 / 83 (4.82%)      | 4 / 89 (4.49%)    |  |
| occurrences causally related to treatment / all   | 0 / 4               | 0 / 4             |  |
| deaths causally related to treatment / all        | 0 / 0               | 0 / 0             |  |
| ALT   |                     |                   |  |
| subjects affected / exposed                       | 2 / 83 (2.41%)      | 4 / 89 (4.49%)    |  |
| occurrences causally related to treatment / all   | 0 / 2               | 0 / 4             |  |
| deaths causally related to treatment / all        | 0 / 0               | 0 / 0             |  |
| Blood and lymphatic system disorders              |                     |                   |  |
| Leucopenia  |                     |                   |  |

|   |  |                  |  |
|---|--|------------------|--|
| subjects affected / exposed                                 | 58 / 83 (69.88%)                                       | 47 / 89 (52.81%) |  |
| occurrences causally related to treatment / all             | 0 / 58   | 0 / 47           |  |
| deaths causally related to treatment / all                  | 0 / 1  | 0 / 0            |  |
| <b>Neutropenia</b>  |  |                  |  |
| subjects affected / exposed                                 | 46 / 83 (55.42%)                                       | 48 / 89 (53.93%) |  |
| occurrences causally related to treatment / all             | 0 / 46   | 0 / 48           |  |
| deaths causally related to treatment / all                  | 0 / 0  | 0 / 0            |  |
| <b>Thrombocytopenia</b>                                     |  |                  |  |
| subjects affected / exposed                                 | 23 / 83 (27.71%)                                       | 20 / 89 (22.47%) |  |
| occurrences causally related to treatment / all             | 0 / 23   | 0 / 20           |  |
| deaths causally related to treatment / all                  | 0 / 0  | 0 / 0            |  |
| <b>Anamia</b>   |  |                  |  |
| subjects affected / exposed                                 | 12 / 83 (14.46%)                                       | 17 / 89 (19.10%) |  |
| occurrences causally related to treatment / all             | 0 / 12   | 0 / 17           |  |
| deaths causally related to treatment / all                  | 0 / 0  | 0 / 0            |  |
| <b>General disorders and administration site conditions</b> |  |                  |  |
| <b>Fatigue</b>  |  |                  |  |
| subjects affected / exposed                                 | 10 / 83 (12.05%)                                       | 4 / 89 (4.49%)   |  |
| occurrences causally related to treatment / all             | 0 / 10   | 0 / 4            |  |
| deaths causally related to treatment / all                  | 0 / 0  | 0 / 0            |  |
| <b>Ileus</b>  |  |                  |  |
| subjects affected / exposed                                 | 4 / 83 (4.82%)   | 8 / 89 (8.99%)   |  |
| occurrences causally related to treatment / all             | 0 / 4  | 0 / 8            |  |
| deaths causally related to treatment / all                  | 0 / 0  | 0 / 0            |  |
| <b>Death</b>  |  |                  |  |
|   | Additional description: Not associated with CTCAE term |                  |  |
| subjects affected / exposed                                 | 1 / 83 (1.20%)   | 4 / 89 (4.49%)   |  |
| occurrences causally related to treatment / all             | 0 / 1  | 0 / 4            |  |
| deaths causally related to treatment / all                  | 0 / 0  | 0 / 0            |  |
| <b>Gastrointestinal disorders</b>                           |  |                  |  |
| <b>Non-malignant ascites</b>                                |  |                  |  |
| subjects affected / exposed                                 | 4 / 83 (4.82%)   | 6 / 89 (6.74%)   |  |
| occurrences causally related to treatment / all             | 0 / 4  | 0 / 6            |  |
| deaths causally related to treatment / all                  | 0 / 0  | 0 / 0            |  |

|   |                  |                 |  |
|---|------------------|-----------------|--|
| Diarrhoea                                       |                  |                 |  |
| subjects affected / exposed                     | 4 / 83 (4.82%)   | 4 / 89 (4.49%)  |  |
| occurrences causally related to treatment / all | 0 / 4            | 0 / 4           |  |
| deaths causally related to treatment / all      | 0 / 0            | 0 / 0           |  |
| Abdominal pain                                  |                  |                 |  |
| subjects affected / exposed                     | 5 / 83 (6.02%)   | 5 / 89 (5.62%)  |  |
| occurrences causally related to treatment / all | 0 / 5            | 0 / 5           |  |
| deaths causally related to treatment / all      | 0 / 0            | 0 / 0           |  |
| Respiratory, thoracic and mediastinal disorders |                  |                 |  |
| Dyspnoea  |                  |                 |  |
| subjects affected / exposed                     | 7 / 83 (8.43%)   | 5 / 89 (5.62%)  |  |
| occurrences causally related to treatment / all | 0 / 7            | 0 / 5           |  |
| deaths causally related to treatment / all      | 0 / 0            | 0 / 0           |  |
| Skin and subcutaneous tissue disorders          |                  |                 |  |
| Hand-foot skin reaction                         |                  |                 |  |
| subjects affected / exposed                     | 11 / 83 (13.25%) | 0 / 89 (0.00%)  |  |
| occurrences causally related to treatment / all | 0 / 11           | 0 / 0           |  |
| deaths causally related to treatment / all      | 0 / 0            | 0 / 0           |  |
| Other dermatological symptoms                   |                  |                 |  |
| subjects affected / exposed                     | 11 / 83 (13.25%) | 0 / 89 (0.00%)  |  |
| occurrences causally related to treatment / all | 0 / 11           | 0 / 0           |  |
| deaths causally related to treatment / all      | 0 / 0            | 0 / 0           |  |
| Infections and infestations                     |                  |                 |  |
| Febrile neutropenia                             |                  |                 |  |
| subjects affected / exposed                     | 6 / 83 (7.23%)   | 5 / 89 (5.62%)  |  |
| occurrences causally related to treatment / all | 0 / 6            | 0 / 5           |  |
| deaths causally related to treatment / all      | 0 / 0            | 0 / 0           |  |
| Other infection                                 |                  |                 |  |
| subjects affected / exposed                     | 6 / 83 (7.23%)   | 9 / 89 (10.11%) |  |
| occurrences causally related to treatment / all | 0 / 6            | 0 / 9           |  |
| deaths causally related to treatment / all      | 0 / 0            | 0 / 0           |  |

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

| <b>Non-serious adverse events</b>                     | Topotecan/sorafenib | Topotecan/placebo |  |
|---|---------------------|-------------------|--|
| Total subjects affected by non-serious adverse events |                     |                   |  |
| subjects affected / exposed                           | 54 / 83 (65.06%)    | 62 / 89 (69.66%)  |  |
| Investigations  |                     |                   |  |
| ALT   |                     |                   |  |
| subjects affected / exposed                           | 18 / 83 (21.69%)    | 15 / 89 (16.85%)  |  |
| occurrences (all)                                     | 18                  | 15                |  |
| AST   |                     |                   |  |
| subjects affected / exposed                           | 21 / 83 (25.30%)    | 15 / 89 (16.85%)  |  |
| occurrences (all)                                     | 21                  | 15                |  |
| Creatine  |                     |                   |  |
| subjects affected / exposed                           | 7 / 83 (8.43%)      | 10 / 89 (11.24%)  |  |
| occurrences (all)                                     | 7                   | 10                |  |
| GGT   |                     |                   |  |
| subjects affected / exposed                           | 3 / 83 (3.61%)      | 7 / 89 (7.87%)    |  |
| occurrences (all)                                     | 3                   | 7                 |  |
| Hypokalaemia  |                     |                   |  |
| subjects affected / exposed                           | 5 / 83 (6.02%)      | 6 / 89 (6.74%)    |  |
| occurrences (all)                                     | 5                   | 6                 |  |
| Hyponatraemia   |                     |                   |  |
| subjects affected / exposed                           | 7 / 83 (8.43%)      | 3 / 89 (3.37%)    |  |
| occurrences (all)                                     | 7                   | 3                 |  |
| Vascular disorders                                    |                     |                   |  |
| Haemorrhage/bleeding                                  |                     |                   |  |
| subjects affected / exposed                           | 6 / 83 (7.23%)      | 5 / 89 (5.62%)    |  |
| occurrences (all)                                     | 6                   | 5                 |  |
| Nervous system disorders                              |                     |                   |  |
| Neuropathy  |                     |                   |  |
| subjects affected / exposed                           | 18 / 83 (21.69%)    | 23 / 89 (25.84%)  |  |
| occurrences (all)                                     | 18                  | 23                |  |
| Blood and lymphatic system disorders                  |                     |                   |  |
| Leucopenia  |                     |                   |  |
| subjects affected / exposed                           | 15 / 83 (18.07%)    | 23 / 89 (25.84%)  |  |
| occurrences (all)                                     | 15                  | 23                |  |
| Neutropenia   |                     |                   |  |
| subjects affected / exposed                           | 6 / 83 (7.23%)      | 8 / 89 (8.99%)    |  |
| occurrences (all)                                     | 6                   | 8                 |  |

|  |                        |                        |  |
|--|------------------------|------------------------|--|
| Thrombocytopenia<br>subjects affected / exposed<br>occurrences (all) | 39 / 83 (46.99%)<br>39 | 27 / 89 (30.34%)<br>27 |  |
| Anaemia<br>subjects affected / exposed<br>occurrences (all)          | 54 / 83 (65.06%)<br>54 | 62 / 89 (69.66%)<br>62 |  |
| Lymphopenia<br>subjects affected / exposed<br>occurrences (all)      | 8 / 83 (9.64%)<br>8    | 2 / 89 (2.25%)<br>2    |  |
| Oedema<br>subjects affected / exposed<br>occurrences (all)           | 6 / 83 (7.23%)<br>6    | 14 / 89 (15.73%)<br>14 |  |
| General disorders and administration<br>site conditions              |                        |                        |  |
| Coagulation<br>subjects affected / exposed<br>occurrences (all)      | 6 / 83 (7.23%)<br>6    | 5 / 89 (5.62%)<br>5    |  |
| Fatigue<br>subjects affected / exposed<br>occurrences (all)          | 33 / 83 (39.76%)<br>33 | 50 / 89 (56.18%)<br>50 |  |
| Weight loss<br>subjects affected / exposed<br>occurrences (all)      | 9 / 83 (10.84%)<br>9   | 2 / 89 (2.25%)<br>2    |  |
| Diarrhoea<br>subjects affected / exposed<br>occurrences (all)        | 29 / 83 (34.94%)<br>29 | 22 / 89 (24.72%)<br>22 |  |
| Gastrointestinal disorders   |                        |                        |  |
| Constipation<br>subjects affected / exposed<br>occurrences (all)     | 29 / 83 (34.94%)<br>29 | 25 / 89 (28.09%)<br>25 |  |
| Nausea<br>subjects affected / exposed<br>occurrences (all)           | 48 / 83 (57.83%)<br>48 | 41 / 89 (46.07%)<br>41 |  |
| Vomiting<br>subjects affected / exposed<br>occurrences (all)         | 31 / 83 (37.35%)<br>31 | 31 / 89 (34.83%)<br>31 |  |
| Abdominal pain   |                        |                        |  |

|  |  |   |  |
|--|--|---|--|
| subjects affected / exposed<br>occurrences (all)   | 25 / 83 (30.12%)<br>25   | 26 / 89 (29.21%)<br>26  |  |
| Respiratory, thoracic and mediastinal disorders<br>Dyspnoea<br>subjects affected / exposed<br>occurrences (all)  | 15 / 83 (18.07%)<br>15   | 12 / 89 (13.48%)<br>12  |  |
| Skin and subcutaneous tissue disorders<br>Alopecia<br>subjects affected / exposed<br>occurrences (all)<br><br>Hand-foot skin reaction<br>subjects affected / exposed<br>occurrences (all)<br><br>Other dermatological symptoms<br>subjects affected / exposed<br>occurrences (all) | 46 / 83 (55.42%)<br>46<br><br>25 / 83 (30.12%)<br>25<br><br>39 / 83 (46.99%)<br>39 | 47 / 89 (52.81%)<br>47<br><br>3 / 89 (3.37%)<br>3<br><br>20 / 89 (22.47%)<br>20 |  |
| Renal and urinary disorders<br>Renal/genitourinary<br>subjects affected / exposed<br>occurrences (all)   | 4 / 83 (4.82%)<br>4  | 10 / 89 (11.24%)<br>10  |  |
| Infections and infestations<br>Urinary tract infection<br>subjects affected / exposed<br>occurrences (all)<br><br>Other infection<br>subjects affected / exposed<br>occurrences (all)  | 4 / 83 (4.82%)<br>4<br><br>15 / 83 (18.07%)<br>15                                  | 2 / 89 (2.25%)<br>2<br><br>12 / 89 (13.48%)<br>12                               |  |

## More information

### Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date         | Amendment   |
|--------------|---|
| 18 June 2010 | expanded to two prior therapies for relapsed disease in Protocol  |
| 04 May 2011  | eligibility of patients treated with bevacizumab or vascular endothelial growth factor receptor tyrosine kinase inhibitors and increasement of the recruitment period |

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.

|   |
|---|
| -maintenance treatment only 12 months<br>-completion of the QoL not mandatory |
|---|

Notes:

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### Online references

<http://www.ncbi.nlm.nih.gov/pubmed/30100379>