



## Clinical trial results:

### A randomized phase II study of Durvalumab (MEDI4736) and Tremelimumab compared to doxorubicin in patients with advanced or metastatic soft tissue sarcoma.

#### Summary

|                          |                |
|--------------------------|----------------|
| EudraCT number           | 2016-004750-15 |
| Trial protocol           | DE             |
| Global end of trial date | 12 August 2022 |

#### Results information

|                                |               |
|--------------------------------|---------------|
| Result version number          | v1 (current)  |
| This version publication date  | 26 March 2025 |
| First version publication date | 26 March 2025 |

#### Trial information

##### Trial identification

|                       |              |
|-----------------------|--------------|
| Sponsor protocol code | AIO-ST5-0415 |
|-----------------------|--------------|

##### Additional study identifiers

|                                    |             |
|------------------------------------|-------------|
| ISRCTN number                      | -           |
| ClinicalTrials.gov id (NCT number) | NCT03317457 |
| WHO universal trial number (UTN)   | -           |

Notes:

##### Sponsors

|                              |   |
|------------------------------|---|
| Sponsor organisation name    | AIO-Studien-gGmbH   |
| Sponsor organisation address | Kuno-Fischer-Str. 8, Berlin, Germany, 14057                                       |
| Public contact               | AIO-Studien-gGmbH, AIO-Studien-gGmbH, 0049 30814534431, info@aio-studien-ggmbh.de |
| Scientific contact           | AIO-Studien-gGmbH, AIO-Studien-gGmbH, 0049 30814534431, info@aio-studien-ggmbh.de |

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                       | 12 August 2022 |
| Is this the analysis of the primary completion data? | Yes            |
| Primary completion date                              | 12 August 2022 |
| Global end of trial reached?                         | Yes            |
| Global end of trial date                             | 12 August 2022 |
| Was the trial ended prematurely?                     | No             |

Notes:

## General information about the trial

Main objective of the trial:

To assess the efficacy of tremelimumab and durvalumab (MEDI4736) in comparison to doxorubicin in treatment-naïve soft tissue sarcoma patients

Protection of trial subjects:

This study was planned, analyzed and conducted according to the study protocol and in accordance with the International Conference on Harmonization (ICH) ,Guideline for Good Clinical Practice E6(R1)', CPMP/ICH/135/95, based on the principles of the Declaration of Helsinki (1964) and its October 1996 amendment (Somerset West, South Africa). The study was duly conducted in compliance with the German Arzneimittelgesetz (AMG; German Drug Law), and the corresponding Directive 2001/20/EC. Subjects were fully informed regarding all pertinent aspects of the clinical trial as well as the possibility to discontinue at any time in language and terms appropriate for the subject.

Background therapy: -

Evidence for comparator: -

|   |               |
|---|---------------|
| Actual start date of recruitment                          | 18 April 2018 |
| 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: 103 |
| Worldwide total number of subjects   | 103          |
| EEA total number of subjects         | 103          |

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)                      | 68 |
| From 65 to 84 years                       | 35 |



## Subject disposition

### Recruitment

Recruitment details: -

### Pre-assignment

Screening details:

In total, 118 patients were screened for eligibility for study participation. Of these, 104 were eligible, and 103 were randomized.

### Period 1

|                              |                                  |
|------------------------------|----------------------------------|
| Period 1 title               | Randomization to treatment start |
| Is this the baseline period? | No                               |
| Allocation method            | Randomised - controlled          |
| Blinding used                | Not blinded                      |

### Arms

Are arms mutually exclusive? Yes

**Arm title** Durvalumab + tremelimumab

Arm description: -

|  |                       |
|--|-----------------------|
| Arm type                               | Experimental          |
| Investigational medicinal product name | Durvalumab            |
| Investigational medicinal product code |                       |
| Other name                             |                       |
| Pharmaceutical forms                   | Solution for infusion |
| Routes of administration               | Infusion              |

Dosage and administration details:

Durvalumab was administered at a fixed dose of 1500 mg Q4W by i.v. infusion.

|  |                       |
|--|-----------------------|
| Investigational medicinal product name | Tremelimumab          |
| Investigational medicinal product code |                       |
| Other name                             |                       |
| Pharmaceutical forms                   | Solution for infusion |
| Routes of administration               | Intravenous use       |

Dosage and administration details:

Tremelimumab was administered at a fixed dose of 75 mg Q4W by i.v. infusion.

**Arm title** Doxorubicin

Arm description: -

|  |                       |
|--|-----------------------|
| Arm type                               | Active comparator     |
| Investigational medicinal product name | Doxorubicin           |
| Investigational medicinal product code |                       |
| Other name                             |                       |
| Pharmaceutical forms                   | Solution for infusion |
| Routes of administration               | Intravenous use       |

Dosage and administration details:

Doxorubicin was given at 75 mg/m<sup>2</sup> Q3W by i.v. infusion, up to a total of 6 cycles.

| <b>Number of subjects in period 1</b> | Durvalumab + tremelimumab | Doxorubicin |
|---------------------------------------|---------------------------|-------------|
| Started                               | 53                        | 50          |
| Completed                             | 53                        | 39          |
| Not completed                         | 0                         | 11          |
| No treatment started                  | -                         | 11          |

## Period 2

|                              |                         |
|------------------------------|-------------------------|
| Period 2 title               | Treatment and Follow-Up |
| Is this the baseline period? | Yes <sup>[1]</sup>      |
| Allocation method            | Randomised - controlled |
| Blinding used                | Not blinded             |

## Arms

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

|                  |                           |
|------------------|---------------------------|
| <b>Arm title</b> | Durvalumab + tremelimumab |
|------------------|---------------------------|

Arm description: -

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

|  |            |
|--|------------|
| Investigational medicinal product name | Durvalumab |
|--|------------|

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

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

|                      |                       |
|----------------------|-----------------------|
| Pharmaceutical forms | Solution for infusion |
|----------------------|-----------------------|

|                          |          |
|--------------------------|----------|
| Routes of administration | Infusion |
|--------------------------|----------|

Dosage and administration details:

Durvalumab was administered at a fixed dose of 1500 mg Q4W by i.v. infusion.

|  |              |
|--|--------------|
| Investigational medicinal product name | Tremelimumab |
|--|--------------|

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

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

|                      |                       |
|----------------------|-----------------------|
| Pharmaceutical forms | Solution for infusion |
|----------------------|-----------------------|

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

Dosage and administration details:

Tremelimumab was administered at a fixed dose of 75 mg Q4W by i.v. infusion.

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

Arm description: -

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

|  |             |
|--|-------------|
| Investigational medicinal product name | Doxorubicin |
|--|-------------|

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

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

|                      |                       |
|----------------------|-----------------------|
| Pharmaceutical forms | Solution for infusion |
|----------------------|-----------------------|

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

Dosage and administration details:

Doxorubicin was given at 75 mg/m<sup>2</sup> Q3W by i.v. infusion, up to a total of 6 cycles.

Notes:

[1] - Period 1 is not the baseline period. It is expected that period 1 will be the baseline period.

Justification: A considerable number of patients randomized to the control arm did not initiate treatment, while all patients randomized to experimental treatment did. Therefore, a modified intention-to-treat population was defined post-hoc as the relevant patient population for analysis and reporting,

including baseline data. Period 1 reports all randomized patients, while period 2 reports all patients for whom intention to treat persisted after randomization, which is the main patient set for reporting.

| <b>Number of subjects in period 2<sup>[2]</sup></b> | Durvalumab + tremelimumab | Doxorubicin |
|---|---------------------------|-------------|
| Started   | 53                        | 39          |
| Completed   | 53                        | 39          |

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Notes:

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

Justification: A considerable number of patients randomized to the control arm did not initiate treatment, while all patients randomized to experimental treatment did. Therefore, a modified intention-to-treat population was defined post-hoc as the relevant patient population for analysis and reporting, including baseline data. The patient set reported and thus the number of baseline patients is therefore smaller than the number of screened and of randomized patients.

## Baseline characteristics

### Reporting groups

|                                |                           |
|--------------------------------|---------------------------|
| Reporting group title          | Durvalumab + tremelimumab |
| Reporting group description: - |                           |
| Reporting group title          | Doxorubicin               |
| Reporting group description: - |                           |

| Reporting group values                                | Durvalumab + tremelimumab | Doxorubicin | Total |
|---|---------------------------|-------------|-------|
| Number of subjects                                    | 53                        | 39          | 92    |
| Age categorical<br>Units: Subjects                    |                           |             |       |
| In utero  |                           |             | 0     |
| Preterm newborn infants<br>(gestational age < 37 wks) |                           |             | 0     |
| Newborns (0-27 days)                                  |                           |             | 0     |
| Infants and toddlers (28 days-23<br>months)           |                           |             | 0     |
| Children (2-11 years)                                 |                           |             | 0     |
| Adolescents (12-17 years)                             |                           |             | 0     |
| Adults (18-64 years)                                  |                           |             | 0     |
| From 65-84 years                                      |                           |             | 0     |
| 85 years and over                                     |                           |             | 0     |
| Age continuous<br>Units: years                        |                           |             |       |
| median  | 61                        | 62          |       |
| inter-quartile range (Q1-Q3)                          | 54 to 68                  | 56 to 67    | -     |
| Gender categorical<br>Units: Subjects                 |                           |             |       |
| Female  | 28                        | 22          | 50    |
| Male  | 25                        | 17          | 42    |

## End points

### End points reporting groups

|                              |                           |
|------------------------------|---------------------------|
| Reporting group title        | Durvalumab + tremelimumab |
| Reporting group description: | -                         |
| Reporting group title        | Doxorubicin               |
| Reporting group description: | -                         |
| Reporting group title        | Durvalumab + tremelimumab |
| Reporting group description: | -                         |
| Reporting group title        | Doxorubicin               |
| Reporting group description: | -                         |

### Primary: Overall survival

|                        |  |
|------------------------|--|
| End point title        | Overall survival   |
| End point description: | Censoring rules: If no event was observed, the patient was censored at the day of last contact. If the date of the last contact was not available, the date of the last attended visit was used for the calculation. |
| End point type         | Primary  |
| End point timeframe:   | OS was defined as the time in months between the date of randomization and the date of death from any cause.   |

| End point values                 | Durvalumab + tremelimumab | Doxorubicin        |  |  |
|----------------------------------|---------------------------|--------------------|--|--|
| Subject group type               | Reporting group           | Reporting group    |  |  |
| Number of subjects analysed      | 53                        | 39                 |  |  |
| Units: Months                    |                           |                    |  |  |
| median (confidence interval 95%) | 17.4 (9.1 to 23.5)        | 12.5 (9.6 to 15.6) |  |  |

### Statistical analyses

|   |   |
|---|---|
| Statistical analysis title              | Logrank test of median overall survival |
| Comparison groups                       | Durvalumab + tremelimumab v Doxorubicin |
| Number of subjects included in analysis | 92                                      |
| Analysis specification                  | Pre-specified                           |
| Analysis type                           | other                                   |
| P-value                                 | = 0.1829                                |
| Method                                  | Logrank                                 |

### Secondary: Overall response rate

|  |                       |
|--|-----------------------|
| End point title  | Overall response rate |
| End point description:   |                       |
| <p>RECIST was modified so that progressive disease (PD) had to be confirmed at the next scheduled visit, preferably, and no earlier than 4 weeks after the initial assessment of PD in the absence of clinically significant deterioration. Treatment continued between the initial assessment of progression and confirmation for progression. The subsequent imaging was resumed at the pre-specified time point. In case of confirmed progression, the date of the first imaging with sign of PD (according to RECIST) was counted as an event.</p> |                       |
| End point type   | Secondary             |
| End point timeframe:   |                       |
| <p>Response was assessed as best overall response according to radiologic assessment and modified RECIST criteria</p>  |                       |

| End point values            | Durvalumab + tremelimumab | Doxorubicin     |  |  |
|-----------------------------|---------------------------|-----------------|--|--|
| Subject group type          | Reporting group           | Reporting group |  |  |
| Number of subjects analysed | 53                        | 39              |  |  |
| Units: Patients             |                           |                 |  |  |
| Complete response           | 0                         | 1               |  |  |
| Partial response            | 5                         | 4               |  |  |
| Stable disease              | 10                        | 12              |  |  |
| Non-CR/Non-PD               | 1                         | 0               |  |  |
| Progressive disease         | 39                        | 19              |  |  |

## Statistical analyses

No statistical analyses for this end point

## Secondary: Progression-free survival (PFS)

|   |                                 |
|---|---------------------------------|
| End point title   | Progression-free survival (PFS) |
| End point description:  |                                 |
| <p>Censoring rules: Patients without event were censored at the last evaluable tumor assessment, if available, and on the date of the last contact otherwise. Patients who had started any subsequent anti-cancer therapy without a prior reported progression were censored at the last evaluable tumor assessment prior to the subsequent anti-cancer therapy, if available, and at the date of initiation of the subsequent anti-cancer therapy otherwise.</p> |                                 |
| End point type  | Secondary                       |
| End point timeframe:  |                                 |
| <p>PFS was defined as the time in months between the date of randomization until the date of confirmed PD (based on investigator assessments) or the date of death from any cause (patients who died without a reported progression were considered to have progre</p>  |                                 |

| <b>End point values</b>          | Durvalumab + tremelimumab | Doxorubicin      |  |  |
|----------------------------------|---------------------------|------------------|--|--|
| Subject group type               | Reporting group           | Reporting group  |  |  |
| Number of subjects analysed      | 53                        | 39               |  |  |
| Units: Months                    |                           |                  |  |  |
| median (confidence interval 95%) | 2.7 (2.4 to 2.9)          | 2.8 (2.6 to 4.9) |  |  |

### Statistical analyses

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No statistical analyses for this end point

## Adverse events

### Adverse events information

Timeframe for reporting adverse events:

Adverse events were to be reported from signing of informed consent until the first follow-up visit.

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

### Dictionary used

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

|                    |   |
|--------------------|---|
| Dictionary version | 0 |
|--------------------|---|

### Reporting groups

|                       |                           |
|-----------------------|---------------------------|
| Reporting group title | Durvalumab + tremelimumab |
|-----------------------|---------------------------|

Reporting group description: -

|                       |             |
|-----------------------|-------------|
| Reporting group title | Doxorubicin |
|-----------------------|-------------|

Reporting group description: -

| <b>Serious adverse events</b>                                       | Durvalumab + tremelimumab | Doxorubicin     |  |
|---|---------------------------|-----------------|--|
| Total subjects affected by serious adverse events                   |                           |                 |  |
| subjects affected / exposed   | 18 / 53 (33.96%)          | 7 / 39 (17.95%) |  |
| number of deaths (all causes)                                       | 37                        | 35              |  |
| number of deaths resulting from adverse events                      | 0                         | 0               |  |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) |                           |                 |  |
| Tumor pain  |                           |                 |  |
| subjects affected / exposed   | 1 / 53 (1.89%)            | 0 / 39 (0.00%)  |  |
| occurrences causally related to treatment / all                     | 1 / 1                     | 0 / 0           |  |
| deaths causally related to treatment / all                          | 0 / 0                     | 0 / 0           |  |
| Vascular disorders  |                           |                 |  |
| Hypertension aggravated   |                           |                 |  |
| subjects affected / exposed   | 1 / 53 (1.89%)            | 0 / 39 (0.00%)  |  |
| occurrences causally related to treatment / all                     | 0 / 1                     | 0 / 0           |  |
| deaths causally related to treatment / all                          | 0 / 0                     | 0 / 0           |  |
| General disorders and administration site conditions                |                           |                 |  |
| Fever   |                           |                 |  |
| subjects affected / exposed   | 0 / 53 (0.00%)            | 1 / 39 (2.56%)  |  |
| occurrences causally related to treatment / all                     | 0 / 0                     | 1 / 1           |  |
| deaths causally related to treatment / all                          | 0 / 0                     | 0 / 0           |  |
| Fever of unknown origin   |                           |                 |  |

|   |                |                |  |
|---|----------------|----------------|--|
| subjects affected / exposed                     | 1 / 53 (1.89%) | 0 / 39 (0.00%) |  |
| occurrences causally related to treatment / all | 1 / 1          | 0 / 0          |  |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          |  |
| Infusion site extravasation                     |                |                |  |
| subjects affected / exposed                     | 0 / 53 (0.00%) | 1 / 39 (2.56%) |  |
| occurrences causally related to treatment / all | 0 / 0          | 1 / 1          |  |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          |  |
| Respiratory, thoracic and mediastinal disorders |                |                |  |
| Exacerbation of asthma                          |                |                |  |
| subjects affected / exposed                     | 0 / 53 (0.00%) | 1 / 39 (2.56%) |  |
| occurrences causally related to treatment / all | 0 / 0          | 0 / 1          |  |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          |  |
| Pneumonitis                                     |                |                |  |
| subjects affected / exposed                     | 1 / 53 (1.89%) | 0 / 39 (0.00%) |  |
| occurrences causally related to treatment / all | 2 / 2          | 0 / 0          |  |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          |  |
| Investigations                                  |                |                |  |
| Neutrophil count decreased                      |                |                |  |
| subjects affected / exposed                     | 0 / 53 (0.00%) | 1 / 39 (2.56%) |  |
| occurrences causally related to treatment / all | 0 / 0          | 1 / 1          |  |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          |  |
| Cardiac disorders                               |                |                |  |
| Myocarditis                                     |                |                |  |
| subjects affected / exposed                     | 1 / 53 (1.89%) | 0 / 39 (0.00%) |  |
| occurrences causally related to treatment / all | 1 / 1          | 0 / 0          |  |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          |  |
| Nervous system disorders                        |                |                |  |
| Cognitive disturbance                           |                |                |  |
| subjects affected / exposed                     | 1 / 53 (1.89%) | 0 / 39 (0.00%) |  |
| occurrences causally related to treatment / all | 1 / 1          | 0 / 0          |  |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          |  |
| Blood and lymphatic system disorders            |                |                |  |
| Febrile neutropenia                             |                |                |  |

|   |                |                |  |
|---|----------------|----------------|--|
| subjects affected / exposed                     | 1 / 53 (1.89%) | 1 / 39 (2.56%) |  |
| occurrences causally related to treatment / all | 1 / 1          | 0 / 1          |  |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          |  |
| <b>Gastrointestinal disorders</b>               |                |                |  |
| Constipation                                    |                |                |  |
| subjects affected / exposed                     | 1 / 53 (1.89%) | 1 / 39 (2.56%) |  |
| occurrences causally related to treatment / all | 1 / 1          | 0 / 1          |  |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          |  |
| Colitis   |                |                |  |
| subjects affected / exposed                     | 1 / 53 (1.89%) | 0 / 39 (0.00%) |  |
| occurrences causally related to treatment / all | 1 / 1          | 0 / 0          |  |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          |  |
| Nausea  |                |                |  |
| subjects affected / exposed                     | 0 / 53 (0.00%) | 1 / 39 (2.56%) |  |
| occurrences causally related to treatment / all | 0 / 0          | 1 / 1          |  |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          |  |
| Pancreatitis                                    |                |                |  |
| subjects affected / exposed                     | 1 / 53 (1.89%) | 0 / 39 (0.00%) |  |
| occurrences causally related to treatment / all | 1 / 1          | 0 / 0          |  |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          |  |
| Vomiting  |                |                |  |
| subjects affected / exposed                     | 1 / 53 (1.89%) | 0 / 39 (0.00%) |  |
| occurrences causally related to treatment / all | 1 / 1          | 0 / 0          |  |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          |  |
| <b>Hepatobiliary disorders</b>                  |                |                |  |
| Hepatitis                                       |                |                |  |
| subjects affected / exposed                     | 1 / 53 (1.89%) | 0 / 39 (0.00%) |  |
| occurrences causally related to treatment / all | 1 / 1          | 0 / 0          |  |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          |  |
| <b>Renal and urinary disorders</b>              |                |                |  |
| Urinary retention                               |                |                |  |
| subjects affected / exposed                     | 1 / 53 (1.89%) | 0 / 39 (0.00%) |  |
| occurrences causally related to treatment / all | 0 / 1          | 0 / 0          |  |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          |  |

|   |                |                |  |
|---|----------------|----------------|--|
| Endocrine disorders                             |                |                |  |
| Hyperthyroidism                                 |                |                |  |
| subjects affected / exposed                     | 1 / 53 (1.89%) | 0 / 39 (0.00%) |  |
| occurrences causally related to treatment / all | 1 / 1          | 0 / 0          |  |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          |  |
| Musculoskeletal and connective tissue disorders |                |                |  |
| Back pain                                       |                |                |  |
| subjects affected / exposed                     | 1 / 53 (1.89%) | 1 / 39 (2.56%) |  |
| occurrences causally related to treatment / all | 0 / 1          | 0 / 1          |  |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          |  |
| Myositis  |                |                |  |
| subjects affected / exposed                     | 1 / 53 (1.89%) | 0 / 39 (0.00%) |  |
| occurrences causally related to treatment / all | 1 / 1          | 0 / 0          |  |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          |  |
| Osteolytic lesion                               |                |                |  |
| subjects affected / exposed                     | 1 / 53 (1.89%) | 0 / 39 (0.00%) |  |
| occurrences causally related to treatment / all | 0 / 1          | 0 / 0          |  |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          |  |
| Pathologic fracture of femur                    |                |                |  |
| subjects affected / exposed                     | 1 / 53 (1.89%) | 0 / 39 (0.00%) |  |
| occurrences causally related to treatment / all | 1 / 1          | 0 / 0          |  |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          |  |
| Infections and infestations                     |                |                |  |
| Febrile infection                               |                |                |  |
| subjects affected / exposed                     | 1 / 53 (1.89%) | 0 / 39 (0.00%) |  |
| occurrences causally related to treatment / all | 2 / 2          | 0 / 0          |  |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          |  |
| Pneumonia                                       |                |                |  |
| subjects affected / exposed                     | 0 / 53 (0.00%) | 1 / 39 (2.56%) |  |
| occurrences causally related to treatment / all | 0 / 0          | 1 / 1          |  |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          |  |
| Urinary tract infection                         |                |                |  |

|   |                |                |  |
|---|----------------|----------------|--|
| subjects affected / exposed                     | 1 / 53 (1.89%) | 0 / 39 (0.00%) |  |
| occurrences causally related to treatment / all | 1 / 1          | 0 / 0          |  |
| deaths causally related to treatment / all      | 0 / 0          | 0 / 0          |  |
| <b>Metabolism and nutrition disorders</b>       |                |                |  |
| Hyponatremia                                    |                |                |  |
| subjects affected / exposed                     | 1 / 53 (1.89%) | 0 / 39 (0.00%) |  |
| occurrences causally related to treatment / all | 1 / 1          | 0 / 0          |  |
| 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>  | Durvalumab + tremelimumab | Doxorubicin      |  |
|--|---------------------------|------------------|--|
| <b>Total subjects affected by non-serious adverse events</b>               |                           |                  |  |
| subjects affected / exposed  | 41 / 53 (77.36%)          | 28 / 39 (71.79%) |  |
| <b>Neoplasms benign, malignant and unspecified (incl cysts and polyps)</b> |                           |                  |  |
| Tumor pain   |                           |                  |  |
| subjects affected / exposed  | 4 / 53 (7.55%)            | 2 / 39 (5.13%)   |  |
| occurrences (all)  | 5                         | 3                |  |
| <b>Vascular disorders</b>  |                           |                  |  |
| Hypertension   |                           |                  |  |
| subjects affected / exposed  | 5 / 53 (9.43%)            | 1 / 39 (2.56%)   |  |
| occurrences (all)  | 9                         | 1                |  |
| <b>General disorders and administration site conditions</b>                |                           |                  |  |
| Fatigue  |                           |                  |  |
| subjects affected / exposed  | 13 / 53 (24.53%)          | 15 / 39 (38.46%) |  |
| occurrences (all)  | 14                        | 31               |  |
| Fever  |                           |                  |  |
| subjects affected / exposed  | 5 / 53 (9.43%)            | 3 / 39 (7.69%)   |  |
| occurrences (all)  | 5                         | 3                |  |
| Edema limbs  |                           |                  |  |
| subjects affected / exposed  | 5 / 53 (9.43%)            | 1 / 39 (2.56%)   |  |
| occurrences (all)  | 5                         | 1                |  |
| <b>Respiratory, thoracic and mediastinal disorders</b>                     |                           |                  |  |

|  |                        |                        |  |
|--|------------------------|------------------------|--|
| Cough<br>subjects affected / exposed<br>occurrences (all)                              | 9 / 53 (16.98%)<br>12  | 3 / 39 (7.69%)<br>3    |  |
| Dyspnoea<br>subjects affected / exposed<br>occurrences (all)                           | 6 / 53 (11.32%)<br>8   | 2 / 39 (5.13%)<br>3    |  |
| Investigations   |                        |                        |  |
| White blood cell decreased<br>subjects affected / exposed<br>occurrences (all)         | 2 / 53 (3.77%)<br>2    | 7 / 39 (17.95%)<br>18  |  |
| Neutrophil count decreased<br>subjects affected / exposed<br>occurrences (all)         | 0 / 53 (0.00%)<br>0    | 7 / 39 (17.95%)<br>18  |  |
| Alanine aminotransferase increased<br>subjects affected / exposed<br>occurrences (all) | 5 / 53 (9.43%)<br>10   | 1 / 39 (2.56%)<br>3    |  |
| Nervous system disorders   |                        |                        |  |
| Dysgeusia<br>subjects affected / exposed<br>occurrences (all)                          | 4 / 53 (7.55%)<br>4    | 3 / 39 (7.69%)<br>4    |  |
| Blood and lymphatic system disorders   |                        |                        |  |
| Anemia<br>subjects affected / exposed<br>occurrences (all)                             | 11 / 53 (20.75%)<br>14 | 9 / 39 (23.08%)<br>11  |  |
| Gastrointestinal disorders   |                        |                        |  |
| Nausea<br>subjects affected / exposed<br>occurrences (all)                             | 8 / 53 (15.09%)<br>8   | 12 / 39 (30.77%)<br>27 |  |
| Vomiting<br>subjects affected / exposed<br>occurrences (all)                           | 4 / 53 (7.55%)<br>4    | 7 / 39 (17.95%)<br>12  |  |
| Abdominal pain<br>subjects affected / exposed<br>occurrences (all)                     | 7 / 53 (13.21%)<br>7   | 2 / 39 (5.13%)<br>2    |  |
| Diarrhea<br>subjects affected / exposed<br>occurrences (all)                           | 6 / 53 (11.32%)<br>9   | 3 / 39 (7.69%)<br>6    |  |

|  |                        |                       |  |
|--|------------------------|-----------------------|--|
| Mucositis oral<br>subjects affected / exposed<br>occurrences (all)   | 3 / 53 (5.66%)<br>3    | 4 / 39 (10.26%)<br>12 |  |
| Constipation<br>subjects affected / exposed<br>occurrences (all)   | 4 / 53 (7.55%)<br>4    | 2 / 39 (5.13%)<br>4   |  |
| Skin and subcutaneous tissue disorders<br>Pruritus<br>subjects affected / exposed<br>occurrences (all)           | 11 / 53 (20.75%)<br>15 | 1 / 39 (2.56%)<br>1   |  |
| Alopecia<br>subjects affected / exposed<br>occurrences (all)   | 1 / 53 (1.89%)<br>1    | 7 / 39 (17.95%)<br>8  |  |
| Endocrine disorders<br>Hypothyroidism<br>subjects affected / exposed<br>occurrences (all)                        | 6 / 53 (11.32%)<br>6   | 0 / 39 (0.00%)<br>0   |  |
| Hyperthyroidism<br>subjects affected / exposed<br>occurrences (all)  | 4 / 53 (7.55%)<br>4    | 1 / 39 (2.56%)<br>1   |  |
| Musculoskeletal and connective tissue disorders<br>Back pain<br>subjects affected / exposed<br>occurrences (all) | 6 / 53 (11.32%)<br>10  | 2 / 39 (5.13%)<br>3   |  |
| Infections and infestations<br>Urinary tract infection<br>subjects affected / exposed<br>occurrences (all)       | 2 / 53 (3.77%)<br>2    | 4 / 39 (10.26%)<br>5  |  |
| Upper respiratory tract infection<br>subjects affected / exposed<br>occurrences (all)                            | 2 / 53 (3.77%)<br>2    | 3 / 39 (7.69%)<br>3   |  |
| Metabolism and nutrition disorders<br>Anorexia<br>subjects affected / exposed<br>occurrences (all)               | 6 / 53 (11.32%)<br>7   | 1 / 39 (2.56%)<br>1   |  |

## More information

### Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date             | Amendment   |
|------------------|---|
| 29 November 2017 | Strategy for evaluation of efficacy endpoints sharpened; Formal corrections, clarifications, and consistency  |
| 15 May 2018      | Alignment with new information regarding IMPs received from manufacturer, e.g., toxicity management guidelines; Edits and clarifications  |
| 12 June 2019     | Deletion of olaratumab as possible medication in combination with doxorubicin in the control arm due to revocation of olaratumab's marketing authorization; Shortening of observation period after IMP administration from 2-4 h to 1h; Extension of list of adverse events of special interest |
| 20 April 2020    | Edits to align the protocol with updates in the investigator's brochures, mainly relating to toxicity management guidelines   |
| 10 May 2021      | Alignment of protocol with IMP manufacturer's update of toxicity management guidelines  |
| 24 June 2021     | Alignment of protocol with IMP manufacturer's update of toxicity management guidelines  |

Notes:

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### Interruptions (globally)

Were there any global interruptions to the trial? No

### Limitations and caveats

None reported