



Clinical trial results:

A Phase 3, Multicentre, Randomised, Controlled Trial to Determine the Efficacy and Safety of Two Dose Levels of Plitidepsin Versus Control in Adult Patients Requiring Hospitalisation for Management of Moderate COVID-19 Infection

Summary

| | |
|--------------------------|-------------------|
| EudraCT number | 2020-005951-19 |
| Trial protocol | FR BG GR PT ES RO |
| Global end of trial date | 01 March 2023 |

Results information

| | |
|--------------------------------|------------------|
| Result version number | v1 (current) |
| This version publication date | 15 February 2024 |
| First version publication date | 15 February 2024 |

Trial information

Trial identification

| | |
|-----------------------|--------------|
| Sponsor protocol code | APL-D-003-20 |
|-----------------------|--------------|

Additional study identifiers

| | |
|------------------------------------|-------------|
| ISRCTN number | - |
| ClinicalTrials.gov id (NCT number) | NCT04784559 |
| WHO universal trial number (UTN) | - |

Notes:

Sponsors

| | |
|------------------------------|--|
| Sponsor organisation name | Pharma Mar S.A. |
| Sponsor organisation address | Avda. De los Reyes, 1, Madrid, Spain, 28770 |
| Public contact | Clinical Development Virology Business Unit, Pharma Mar S.A., + 34 918466000, virologytrials@pharmamar.com |
| Scientific contact | José Jimeno, MD, PhD, Pharma Mar S.A., + 34 918466000, jjimeno@pharmamar.com |

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 | 07 December 2023 |
| Is this the analysis of the primary completion data? | Yes |
| Primary completion date | 01 March 2023 |
| Global end of trial reached? | Yes |
| Global end of trial date | 01 March 2023 |
| Was the trial ended prematurely? | Yes |

Notes:

General information about the trial

Main objective of the trial:

To compare efficacy of plitidepsin 1.5 mg or 2.5 mg versus the control assessing the need of supplementary oxygen.

Protection of trial subjects:

Patients were allowed to withdraw from the study at any time at his/her own request or at the discretion of the investigator for safety, behavioural, or administrative reasons. If the patient withdrew consent for disclosure of future information, the sponsor was to retain and continue to use any data collected before such a withdrawal of consent. Additionally, patients were allowed to request destruction of any samples taken and not tested and the investigator documented this in the site study records.

Additional reasons for discontinuation could have included, but were not limited to:

- Administration of treatments not allowed in the protocol
- Adverse event
- Lack of efficacy
- Investigator's decision
- Patient refusal as reason for discontinuation.

Background therapy: -

Evidence for comparator: -

| | |
|---|-------------|
| Actual start date of recruitment | 28 May 2021 |
| Long term follow-up planned | No |
| Independent data monitoring committee (IDMC) involvement? | Yes |

Notes:

Population of trial subjects

Subjects enrolled per country

| | |
|--------------------------------------|-------------|
| Country: Number of subjects enrolled | Romania: 61 |
| Country: Number of subjects enrolled | Spain: 114 |
| Country: Number of subjects enrolled | Bulgaria: 1 |
| Country: Number of subjects enrolled | France: 1 |
| Country: Number of subjects enrolled | Greece: 16 |
| Country: Number of subjects enrolled | Colombia: 7 |
| Country: Number of subjects enrolled | Mexico: 4 |
| Country: Number of subjects enrolled | Brazil: 1 |
| Worldwide total number of subjects | 205 |
| EEA total number of subjects | 193 |

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) | 126 |
| From 65 to 84 years | 79 |
| 85 years and over | 0 |

Subject disposition

Recruitment

Recruitment details: -

Pre-assignment

Screening details:

The target population of this study was adult patients requiring hospitalisation and oxygen supplementation for management of moderate COVID-19.

Period 1

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

Blinding implementation details:

This was an open-label study.

Arms

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

| | |
|------------------|--------------------|
| Arm title | Plitidepsin 2.5 mg |
|------------------|--------------------|

Arm description:

Patients received plitidepsin 2.5 mg/day IV in addition to dexamethasone on Days 1 to 3

| | |
|--|--|
| Arm type | Experimental |
| Investigational medicinal product name | Plitidepsin 2.5 mg |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Powder for concentrate for solution for infusion |
| Routes of administration | Intravenous use |

Dosage and administration details:

Patients received plitidepsin 2.5 mg/day IV in addition to dexamethasone on Days 1 to 3.

Best supportive care, consistent with National Institute of Health COVID-19 Treatment Guidelines (www.covid19treatmentguidelines.nih.gov) or local country guidelines was provided (when needed).

| | |
|------------------|--------------------|
| Arm title | Plitidepsin 1.5 mg |
|------------------|--------------------|

Arm description:

Patients received plitidepsin 1.5 mg/day intravenously (IV) in addition to dexamethasone on Days 1 to 3

| | |
|--|--|
| Arm type | Experimental |
| Investigational medicinal product name | Plitidepsin 1.5 mg |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Powder for concentrate for solution for infusion |
| Routes of administration | Intravenous use |

Dosage and administration details:

Patients received plitidepsin 1.5 mg/day IV in addition to dexamethasone on Days 1 to 3.

Best supportive care, consistent with National Institute of Health COVID-19 Treatment Guidelines (www.covid19treatmentguidelines.nih.gov) or local country guidelines was provided (when needed).

| | |
|------------------|-------------|
| Arm title | Control arm |
|------------------|-------------|

Arm description:

Patients will receive dexamethasone IV on Days 1 to 3. Additionally, in accordance with local treatment guidelines, patients in this group may receive a regulatory-approved antiviral treatment.

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

Dosage and administration details:

All patients were planned to receive dexamethasone phosphate 8 mg/day IV (equivalent to 6.6 mg dexamethasone base) on Days 1 to 3 (administered as a premedication in the plitidepsin arms), followed by dexamethasone phosphate 7.2 mg/day (equivalent to 6 mg/day dexamethasone base) orally (PO)/IV from Day 4 and up to a total cumulative dose of 60 mg dexamethasone base (as per physician judgement according to patient clinical condition and evolution).

Additionally, in accordance with local treatment guidelines, patients randomised to the control arm could have received a regulatory-approved antiviral treatment, such as remdesivir (200 mg IV on Day 1 followed by 100 mg/day IV on Days 2 to 5) or favipiravir (1600 mg twice daily [BID] PO on Day 1, followed by 600 mg BID PO for 2 to 5 days).

Best supportive care, consistent with National Institute of Health COVID-19 Treatment Guidelines (www.covid19treatmentguidelines.nih.gov) or local country guidelines was provided (when needed).

| Number of subjects in period 1 | Plitidepsin 2.5 mg | Plitidepsin 1.5 mg | Control arm |
|--|--------------------|--------------------|-------------|
| Started | 68 | 70 | 67 |
| Completed | 60 | 64 | 61 |
| Not completed | 8 | 6 | 6 |
| Patient worsened, PI decision | 1 | - | - |
| Did not meet all inclusion criteria | - | 1 | - |
| The patient was transferred to IRCU | - | 1 | - |
| Discontinued as was found to be ineligible | - | - | 1 |
| Patient admitted in other hospital | 1 | - | - |
| Death | 2 | 1 | 2 |
| Patient deterioration | 1 | - | - |
| Serious adverse event | - | 1 | - |
| Lost to follow-up | - | - | 2 |
| Patient refusal (withdrawal of consent) | 3 | 2 | 1 |

Baseline characteristics

Reporting groups

| | |
|------------------------------|---|
| Reporting group title | Plitidepsin 2.5 mg |
| Reporting group description: | Patients received plitidepsin 2.5 mg/day IV in addition to dexamethasone on Days 1 to 3 |
| Reporting group title | Plitidepsin 1.5 mg |
| Reporting group description: | Patients received plitidepsin 1.5 mg/day intravenously (IV) in addition to dexamethasone on Days 1 to 3 |
| Reporting group title | Control arm |
| Reporting group description: | Patients will receive dexamethasone IV on Days 1 to 3. Additionally, in accordance with local treatment guidelines, patients in this group may receive a regulatory-approved antiviral treatment. |

| Reporting group values | Plitidepsin 2.5 mg | Plitidepsin 1.5 mg | Control arm |
|--|--------------------|--------------------|-------------|
| Number of subjects | 68 | 70 | 67 |
| Age categorical | | | |
| Units: Subjects | | | |
| ≥18 to 59 years | 32 | 34 | 32 |
| ≥60 to 64 years | 13 | 9 | 6 |
| ≥65 to 69 years | 8 | 11 | 11 |
| ≥70 to 74 years | 9 | 8 | 4 |
| ≥75 to 79 years | 3 | 6 | 7 |
| ≥80 years | 3 | 2 | 7 |
| Age continuous | | | |
| Units: years | | | |
| arithmetic mean | 58.9 | 58.1 | 59.3 |
| standard deviation | ± 13.33 | ± 14.80 | ± 15.02 |
| Gender categorical | | | |
| Units: Subjects | | | |
| Female | 25 | 26 | 25 |
| Male | 43 | 44 | 42 |
| Race | | | |
| Units: Subjects | | | |
| Asian | 1 | 3 | 0 |
| White | 63 | 62 | 64 |
| Multiple | 4 | 5 | 3 |
| Ethnicity | | | |
| Units: Subjects | | | |
| Hispanic or Latino | 33 | 35 | 21 |
| Not Hispanic of Latino | 35 | 35 | 46 |
| Child-bearing potential | | | |
| For female participants only | | | |
| Units: Subjects | | | |
| Yes | 4 | 5 | 4 |
| No, surgically sterile/post-menopausal | 21 | 18 | 19 |
| No, other | 0 | 3 | 2 |

| | | | |
|--|----------|----------|----------|
| NA (male participant) | 43 | 44 | 42 |
| Body mass index group at screening (kg/m ²) Units: Subjects | | | |
| ≥18.5 and <25 | 10 | 10 | 10 |
| ≥25 and <30 | 31 | 35 | 26 |
| ≥30 and <35 | 15 | 13 | 17 |
| ≥35 and <40 | 9 | 4 | 8 |
| ≥40 | 1 | 5 | 4 |
| Missing | 2 | 3 | 2 |
| Periods of inclusion Units: Subjects | | | |
| Beginning of accrual – August 2021 | 2 | 1 | 2 |
| September 2021 - March 2022 | 56 | 55 | 51 |
| April 2022 - End of accrual | 10 | 14 | 14 |
| Vaccination status Units: Subjects | | | |
| Fully vaccinated | 35 | 36 | 32 |
| Non-fully vaccinated | 6 | 3 | 4 |
| Not vaccinated | 27 | 31 | 31 |
| Height at screening Units: Centimeter | | | |
| arithmetic mean | 167.79 | 169.56 | 169.25 |
| standard deviation | ± 8.067 | ± 8.534 | ± 10.095 |
| Weight at screening Units: Kilograms | | | |
| arithmetic mean | 82.72 | 86.05 | 87.38 |
| standard deviation | ± 14.380 | ± 19.778 | ± 19.672 |
| Body mass index at screening Units: kg/m ² | | | |
| arithmetic mean | 29.45 | 29.68 | 30.26 |
| standard deviation | ± 4.555 | ± 5.617 | ± 6.116 |
| Body surface area at screening (m ²) Units: Participants | | | |
| arithmetic mean | 1.922 | 1.961 | 1.968 |
| standard deviation | ± 0.1787 | ± 0.2252 | ± 0.2299 |
| Systolic blood pressure (mmHg) at screening Units: mmHg | | | |
| arithmetic mean | 123.4 | 126.9 | 127.9 |
| standard deviation | ± 18.44 | ± 16.25 | ± 16.24 |
| Diastolic blood pressure (mmHg) at screening Units: mmHg | | | |
| arithmetic mean | 74.2 | 76.1 | 75.0 |
| standard deviation | ± 9.53 | ± 9.36 | ± 11.26 |
| Pulse rate (beats/min) at screening Units: beats/min | | | |
| arithmetic mean | 81.6 | 83.9 | 84.2 |
| standard deviation | ± 13.72 | ± 11.36 | ± 13.50 |
| Temperature (C) at screening Units: celsius | | | |

| | | | |
|--|---------|---------|---------|
| arithmetic mean | 36.91 | 36.90 | 36.92 |
| standard deviation | ± 0.878 | ± 0.899 | ± 0.875 |
| Respiration rate (breaths/min) at screening Units: breaths/min | | | |
| arithmetic mean | 19.5 | 19.0 | 19.9 |
| standard deviation | ± 3.49 | ± 3.40 | ± 3.32 |
| Oxygen saturation (%) at screening Units: Percentage measure | | | |
| median | 96.29 | 96.26 | 96.44 |
| standard deviation | ± 1.779 | ± 1.721 | ± 1.749 |
| Fraction of inspired oxygen (%) at screening Units: Percentage | | | |
| arithmetic mean | 26.92 | 26.91 | 27.94 |
| standard deviation | ± 3.861 | ± 3.370 | ± 9.526 |
| SARS-CoV-2 viral load at Day 1 (log 10 copies/mL) Units: Summary was based on full analysis set | | | |
| arithmetic mean | 5.02 | 4.97 | 5.06 |
| standard deviation | ± 1.880 | ± 1.985 | ± 2.253 |

| Reporting group values | Total | | |
|---------------------------------------|-------|--|--|
| Number of subjects | 205 | | |
| Age categorical Units: Subjects | | | |
| ≥18 to 59 years | 98 | | |
| ≥60 to 64 years | 28 | | |
| ≥65 to 69 years | 30 | | |
| ≥70 to 74 years | 21 | | |
| ≥75 to 79 years | 16 | | |
| ≥80 years | 12 | | |
| Age continuous Units: years | | | |
| arithmetic mean | - | | |
| standard deviation | - | | |
| Gender categorical Units: Subjects | | | |
| Female | 76 | | |
| Male | 129 | | |
| Race Units: Subjects | | | |
| Asian | 4 | | |
| White | 189 | | |
| Multiple | 12 | | |
| Ethnicity Units: Subjects | | | |
| Hispanic or Latino | 89 | | |
| Not Hispanic of Latino | 116 | | |
| Child-bearing potential | | | |
| For female participants only | | | |
| Units: Subjects | | | |

| | | | |
|---|-----|--|--|
| Yes | 13 | | |
| No, surgically sterile/post-menopausal | 58 | | |
| No, other | 5 | | |
| NA (male participant) | 129 | | |
| Body mass index group at screening (kg/m ²) | | | |
| Units: Subjects | | | |
| ≥18.5 and <25 | 30 | | |
| ≥25 and <30 | 92 | | |
| ≥30 and <35 | 45 | | |
| ≥35 and <40 | 21 | | |
| ≥40 | 10 | | |
| Missing | 7 | | |
| Periods of inclusion | | | |
| Units: Subjects | | | |
| Beginning of accrual – August 2021 | 5 | | |
| September 2021 - March 2022 | 162 | | |
| April 2022 - End of accrual | 38 | | |
| Vaccination status | | | |
| Units: Subjects | | | |
| Fully vaccinated | 103 | | |
| Non-fully vaccinated | 13 | | |
| Not vaccinated | 89 | | |
| Height at screening | | | |
| Units: Centimeter | | | |
| arithmetic mean | | | |
| standard deviation | - | | |
| Weight at screening | | | |
| Units: Kilograms | | | |
| arithmetic mean | | | |
| standard deviation | - | | |
| Body mass index at screening | | | |
| Units: kg/m ² | | | |
| arithmetic mean | | | |
| standard deviation | - | | |
| Body surface area at screening (m ²) | | | |
| Units: Participants | | | |
| arithmetic mean | | | |
| standard deviation | - | | |
| Systolic blood pressure (mmHg) at screening | | | |
| Units: mmHg | | | |
| arithmetic mean | | | |
| standard deviation | - | | |
| Diastolic blood pressure (mmHg) at screening | | | |
| Units: mmHg | | | |
| arithmetic mean | | | |
| standard deviation | - | | |
| Pulse rate (beats/min) at screening | | | |
| Units: beats/min | | | |
| arithmetic mean | | | |

| | | | |
|---|---|--|--|
| standard deviation | - | | |
| Temperature (C) at screening Units: celsius arithmetic mean standard deviation | - | | |
| Respiration rate (breaths/min) at screening Units: breaths/min arithmetic mean standard deviation | - | | |
| Oxygen saturation (%) at screening Units: Percentage measure median standard deviation | - | | |
| Fraction of inspired oxygen (%) at screening Units: Percentage arithmetic mean standard deviation | - | | |
| SARS-CoV-2 viral load at Day 1 (log 10 copies/mL) Units: Summary was based on full analysis set arithmetic mean standard deviation | - | | |

End points

End points reporting groups

| | |
|---|--------------------|
| Reporting group title | Plitidepsin 2.5 mg |
| Reporting group description: Patients received plitidepsin 2.5 mg/day IV in addition to dexamethasone on Days 1 to 3 | |
| Reporting group title | Plitidepsin 1.5 mg |
| Reporting group description: Patients received plitidepsin 1.5 mg/day intravenously (IV) in addition to dexamethasone on Days 1 to 3 | |
| Reporting group title | Control arm |
| Reporting group description: Patients will receive dexamethasone IV on Days 1 to 3. Additionally, in accordance with local treatment guidelines, patients in this group may receive a regulatory-approved antiviral treatment. | |

Primary: Time to sustained withdrawal of supplementary oxygen (11-category WHO Clinical Progression Scale ≤ 4) with no subsequent reutilisation during remaining study period.

| | |
|--|---|
| End point title | Time to sustained withdrawal of supplementary oxygen (11-category WHO Clinical Progression Scale ≤ 4) with no subsequent reutilisation during remaining study period. |
| End point description: Time to sustained withdrawal of supplementary oxygen (as defined by the WHO clinical progression scale (Score ≤ 4)). The WHO clinical progression scale provides a measure of illness severity across a range from 0 (uninfected) to 10 (dead). | |
| End point type | Primary |
| End point timeframe: From administration date to Day 31(± 3) | |

| End point values | Plitidepsin 2.5 mg | Plitidepsin 1.5 mg | Control arm | |
|----------------------------------|--------------------|--------------------|-----------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 68 | 70 | 67 | |
| Units: days | | | | |
| median (confidence interval 95%) | 5 (4 to 7) | 5 (4 to 6) | 7 (6 to 8) | |

Statistical analyses

| | |
|--|---|
| Statistical analysis title | Plitidepsin 2.5 mg arm versus control arm |
| Statistical analysis description: Stratified Cox proportional-hazards regression model, including the fixed effect of the treatment group and levels of the randomisation stratification factors, ie, geographical region (Europe vs. Rest of the World), Charlson Comorbidity Index (0-1 vs. >1) and pre-baseline Barthel index (≥ 90 versus <90) as derived using the eCRF data as covariates | |

| | |
|---|----------------------------------|
| Comparison groups | Plitidepsin 2.5 mg v Control arm |
| Number of subjects included in analysis | 135 |
| Analysis specification | Pre-specified |
| Analysis type | superiority ^[1] |
| P-value | = 0.8751 ^[2] |
| Method | Logrank |
| Parameter estimate | Hazard ratio (HR) |
| Point estimate | 1.06 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | 0.727 |
| upper limit | 1.53 |

Notes:

[1] - Stratified log-rank test, including the fixed effect of the treatment group and levels of the randomisation stratification factors, ie, geographical region (Europe vs. Rest of the World), Charlson Comorbidity Index (0-1 vs. >1) and pre-baseline Barthel index (≥90 versus <90) as derived using the eCRF data as covariates .

[2] - 2-sided p-values calculated using a stratified log-rank test, including the fixed effect of the treatment arm and levels of the randomisation stratification factors. Unadjusted pvalue, for multiplicity adjustment uses the Hochberg step-up procedure

| | |
|-----------------------------------|---|
| Statistical analysis title | Plitidepsin 1.5 mg arm versus control arm |
|-----------------------------------|---|

Statistical analysis description:

Stratified Cox proportional-hazards regression model, including the fixed effect of the treatment group and levels of the randomisation stratification factors, ie, geographical region (Europe vs. Rest of the World), Charlson Comorbidity Index (0-1 vs. >1) and pre-baseline Barthel index (≥90 versus <90) as derived using the eCRF data as covariates

| | |
|---|----------------------------------|
| Comparison groups | Control arm v Plitidepsin 1.5 mg |
| Number of subjects included in analysis | 137 |
| Analysis specification | Pre-specified |
| Analysis type | superiority ^[3] |
| P-value | = 0.0625 ^[4] |
| Method | Logrank |
| Parameter estimate | Hazard ratio (HR) |
| Point estimate | 1.37 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | 0.96 |
| upper limit | 1.96 |

Notes:

[3] - Stratified log-rank test, including the fixed effect of the treatment group and levels of the randomisation stratification factors, ie, geographical region (Europe vs. Rest of the World), Charlson Comorbidity Index (0-1 vs. >1) and pre-baseline Barthel index (≥90 versus <90) as derived using the eCRF data as covariates .

[4] - 2-sided p-values calculated using a stratified log-rank test, including the fixed effect of the treatment arm and levels of the randomisation stratification factors. Unadjusted pvalue, for multiplicity adjustment uses the Hochberg step-up procedure

Secondary: Time to sustained (i.e., with no subsequent readmission to Day 31) hospital discharge (since randomisation)

| | |
|-----------------|---|
| End point title | Time to sustained (i.e., with no subsequent readmission to Day 31) hospital discharge (since randomisation) |
|-----------------|---|

End point description:

Time to sustained (i.e., with no subsequent readmission to Day 31) hospital discharge (since randomisation)

000 = not estimated

999 = not estimated

| | |
|--|-----------|
| End point type | Secondary |
| End point timeframe: | |
| From administration date to Day 31(±3) | |

| End point values | Plitidepsin 2.5 mg | Plitidepsin 1.5 mg | Control arm | |
|----------------------------------|--------------------|--------------------|-----------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 68 | 70 | 67 | |
| Units: days | | | | |
| median (confidence interval 95%) | 7 (7 to 9) | 7 (000 to 999) | 7 (7 to 9) | |

Statistical analyses

| Statistical analysis title | Plitidepsin 2.5 mg versus control arm |
|---|---------------------------------------|
| Comparison groups | Plitidepsin 2.5 mg v Control arm |
| Number of subjects included in analysis | 135 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.5945 ^[5] |
| Method | Logrank |
| Parameter estimate | Hazard ratio (HR) |
| Point estimate | 0.948 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | 0.655 |
| upper limit | 1.37 |

Notes:

[5] - 2-sided p-values calculated using a stratified log-rank test, including the fixed effect of the treatment arm and levels of the randomisation stratification factors. Unadjusted pvalue, for multiplicity adjustment uses the Hochberg step-up procedure

| Statistical analysis title | Plitidepsin 1.5 mg versus control arm |
|---|---------------------------------------|
| Comparison groups | Control arm v Plitidepsin 1.5 mg |
| Number of subjects included in analysis | 137 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.3358 ^[6] |
| Method | Logrank |
| Parameter estimate | Hazard ratio (HR) |
| Point estimate | 1.18 |

| Confidence interval | |
|---------------------|---------|
| level | 95 % |
| sides | 2-sided |
| lower limit | 0.827 |
| upper limit | 1.7 |

Notes:

[6] - 2-sided p-values calculated using a stratified log-rank test, including the fixed effect of the treatment arm and levels of the randomisation stratification factors. Unadjusted pvalue, for multiplicity adjustment uses the Hochberg step-up procedure

Secondary: Clinical Status by the 11-category WHO Clinical Progression Scale

| | |
|-----------------|---|
| End point title | Clinical Status by the 11-category WHO Clinical Progression Scale |
|-----------------|---|

End point description:

The WHO clinical progression scale provides a measure of illness severity across a range from 0 (uninfected) to 10 (dead).

*pO₂/FiO₂ >150 or SpO₂/FiO₂ >200

**pO₂/FiO₂ <150 (SpO₂/FiO₂ <200) or vasopressors

***pO₂/FiO₂ <150 and vasopressors, dialysis, or ECMO

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

End point timeframe:

Day 8 (±1)

| End point values | Plitidepsin 2.5 mg | Plitidepsin 1.5 mg | Control arm | |
|--|--------------------|--------------------|-----------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 63 | 67 | 65 | |
| Units: participants | | | | |
| 0 = uninfected, no viral RNA detected | 6 | 10 | 3 | |
| 1 = asymptomatic, viral RNA detected | 12 | 15 | 12 | |
| 2 = symptomatic, independent | 20 | 17 | 19 | |
| 3 = symptomatic, assistance needed | 0 | 1 | 1 | |
| 4 = hospitalised, no oxygen therapy | 4 | 8 | 7 | |
| 5 = hospitalised, oxygen by mask or nasal prongs | 10 | 8 | 20 | |
| 6 = hospitalised, oxygen by NIV or high flow | 5 | 7 | 1 | |
| 7 = intubation and mechanical ventilation* | 4 | 1 | 2 | |
| 8 = mechanical ventilation** | 1 | 0 | 0 | |
| 9 = mechanical ventilation*** | 0 | 0 | 0 | |
| 10 = dead | 1 | 0 | 0 | |

Statistical analyses

| | |
|----------------------------|-----------------------------------|
| Statistical analysis title | Plitidepsin 2.5 mg versus control |
|----------------------------|-----------------------------------|

Statistical analysis description:

Adjusted Odds Ratio and 95% CI based on a proportional odds model with fixed effects of treatment group and randomisation stratification factors, ie, geographical region (Europe vs. Rest of the World), Charlson Comorbidity Index (0-1 vs. >1) and pre-baseline Barthel index (≥90 versus <90) as derived

using the eCRF data as covariates.

| | |
|---|----------------------------------|
| Comparison groups | Plitidepsin 2.5 mg v Control arm |
| Number of subjects included in analysis | 128 |
| Analysis specification | Pre-specified |
| Analysis type | superiority ^[7] |
| P-value | = 0.7252 ^[8] |
| Method | proportional odds model |
| Parameter estimate | Odds ratio (OR) |
| Point estimate | 1.12 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | 0.604 |
| upper limit | 2.06 |

Notes:

[7] - Proportional odds model with fixed effects of treatment group and randomisation stratification factors, ie, geographical region (Europe vs. Rest of the World), Charlson Comorbidity Index (0-1 vs. >1) and pre-baseline Barthel index (≥ 90 versus < 90) as derived using the eCRF data as covariates

[8] - 2-sided p-value. Adjusted odds ratio, 95% CI and 2-sided p-values based on a proportional odds model with fixed effects of treatment arm and randomisation stratification factors

| | |
|---|-----------------------------------|
| Statistical analysis title | Plitidepsin 1.5 mg versus control |
| Comparison groups | Control arm v Plitidepsin 1.5 mg |
| Number of subjects included in analysis | 132 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.091 ^[9] |
| Method | proportional odds model |
| Parameter estimate | Odds ratio (OR) |
| Point estimate | 1.69 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | 0.92 |
| upper limit | 3.11 |

Notes:

[9] - Adjusted odds ratio, 95% CI and 2-sided p-values based on a proportional odds model with fixed effects of treatment arm and randomisation stratification factors

Secondary: Total Duration of Advanced Oxygen Support (High-flow Nasal Oxygen, Extracorporeal Membrane Oxygenation - ECMO-, Non-invasive Ventilation or Mechanical Ventilation)

| | |
|---|---|
| End point title | Total Duration of Advanced Oxygen Support (High-flow Nasal Oxygen, Extracorporeal Membrane Oxygenation - ECMO-, Non-invasive Ventilation or Mechanical Ventilation) |
| End point description: | |
| Total Duration of Advanced Oxygen Support (High-flow Nasal Oxygen, Extracorporeal Membrane Oxygenation - ECMO-, Non-invasive Ventilation or Mechanical Ventilation) | |
| End point type | Secondary |
| End point timeframe: | |
| From administration date to Day 31(± 3) | |

| End point values | Plitidepsin 2.5 mg | Plitidepsin 1.5 mg | Control arm | |
|--------------------------------------|--------------------|--------------------|-----------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 13 | 11 | 11 | |
| Units: days | | | | |
| arithmetic mean (standard deviation) | 12.2 (± 9.71) | 10 (± 8.21) | 8.3 (± 12.66) | |

Statistical analyses

No statistical analyses for this end point

Secondary: Percentage of Patients in Each Study Group Requiring Admission to ICU

| | |
|------------------------|---|
| End point title | Percentage of Patients in Each Study Group Requiring Admission to ICU |
| End point description: | Percentage of Patients in Each Study Group Requiring Admission to ICU |
| End point type | Secondary |
| End point timeframe: | Day 4, Day 8(±1) , Day 15(±1) and Day 31(±3) |

| End point values | Plitidepsin 2.5 mg | Plitidepsin 1.5 mg | Control arm | |
|----------------------------------|--------------------|--------------------|-------------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 63 | 67 | 65 | |
| Units: participants | | | | |
| number (confidence interval 95%) | | | | |
| From Day 1 to Day 4 | 1 (0.0402 to 8.53) | 1 (0.0378 to 8.04) | 3 (0.962 to 12.9) | |
| From Day 1 to Day 8 | 7 (4.59 to 21.6) | 3 (0.933 to 12.5) | 4 (1.70 to 15.0) | |
| From Day 1 to Day 15 | 7 (4.59 to 21.6) | 4 (1.65 to 14.6) | 4 (1.70 to 15.0) | |
| From Day 1 to Day 31 | 7 (4.59 to 21.6) | 5 (2.47 to 16.6) | 4 (1.70 to 15.0) | |

Statistical analyses

No statistical analyses for this end point

Secondary: Frequency of Adverse Events

| | |
|---|---|
| End point title | Frequency of Adverse Events |
| End point description: | Adverse Event Types according to the National Cancer Institute [NCI]-Common Terminology Criteria for AEs (CTCAE v.5.0). |
| The number of participants who experienced treatment-emergent adverse events (TEAEs) are presented. | |

| | |
|--|-----------|
| End point type | Secondary |
| End point timeframe: | |
| From administration date to Day 31(±3) | |

| End point values | Plitidepsin 2.5 mg | Plitidepsin 1.5 mg | Control arm | |
|-----------------------------|--------------------|--------------------|-----------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 63 | 67 | 65 | |
| Units: participants | 45 | 44 | 40 | |

Statistical analyses

No statistical analyses for this end point

Secondary: Frequency of TEAEs of ≥Grade 3 According to NCI-CTCAE for Adverse Events (Version 5.0), TEAEs of Special Interest, Serious TEAEs, Serious Treatment-related TEAEs, TEAEs Leading to Treatment Discontinuation, and Deaths

| | |
|-----------------|---|
| End point title | Frequency of TEAEs of ≥Grade 3 According to NCI-CTCAE for Adverse Events (Version 5.0), TEAEs of Special Interest, Serious TEAEs, Serious Treatment-related TEAEs, TEAEs Leading to Treatment Discontinuation, and Deaths |
|-----------------|---|

End point description:

Frequency of treatment-emergent adverse events (TEAEs) of ≥grade 3 according to National Cancer Institute Common Terminology Criteria for Adverse Events (NCI-CTCAE, version 5.0), TEAEs of special interest, serious TEAEs, serious treatment-related TEAEs, TEAEs leading to treatment discontinuation, and deaths.

*Any serious treatment-related TEAE to any study treatment

**Any TEAE leading to discontinuation of any study treatment

| | |
|--|-----------|
| End point type | Secondary |
| End point timeframe: | |
| From administration date to Day 31(±3) | |

| End point values | Plitidepsin 2.5 mg | Plitidepsin 1.5 mg | Control arm | |
|---|--------------------|--------------------|-----------------|--|
| Subject group type | Reporting group | Reporting group | Reporting group | |
| Number of subjects analysed | 63 | 67 | 65 | |
| Units: participants | | | | |
| Any TEAE Grade ≥3 | 22 | 17 | 11 | |
| Any TEAE of special interest | 22 | 25 | 18 | |
| Any serious TEAE | 11 | 6 | 5 | |
| Serious treatment-related TEAE to treatment** | 1 | 1 | 0 | |
| TEAE leading to discontinuation** | 1 | 1 | 1 | |
| Any TEAE leading to death | 2 | 1 | 2 | |

Statistical analyses

No statistical analyses for this end point

Adverse events

Adverse events information

Timeframe for reporting adverse events:

From Screening to Day 31 +/- 3 days

Adverse event reporting additional description:

Adverse events for the as-treated population are presented. One randomised participant experienced an AE of adult respiratory distress syndrome but never received any study treatment, so is not included here.

All AEs and adverse reactions, based on clinical signs and symptoms and laboratory measurements, were measured daily from Day 1 to Day 31.

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

Dictionary used

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

| | |
|--------------------|----|
| Dictionary version | 24 |
|--------------------|----|

Reporting groups

| | |
|-----------------------|--------------------|
| Reporting group title | Plitidepsin 2.5 mg |
|-----------------------|--------------------|

Reporting group description:

Patients received plitidepsin 2.5 mg/day IV in addition to dexamethasone on Days 1 to 3.

Adverse events for the as-treated population are presented.

| | |
|-----------------------|--------------------|
| Reporting group title | Plitidepsin 1.5 mg |
|-----------------------|--------------------|

Reporting group description:

Patients received plitidepsin 1.5 mg/day intravenously (IV) in addition to dexamethasone on Days 1 to 3

Adverse events for the as-treated population are presented.

| | |
|-----------------------|-------------|
| Reporting group title | Control arm |
|-----------------------|-------------|

Reporting group description:

Patients will receive dexamethasone IV on Days 1 to 3. Additionally, in accordance with local treatment guidelines, patients in this group may receive a regulatory-approved antiviral treatment.

Adverse events for the as-treated population are presented.

| Serious adverse events | Plitidepsin 2.5 mg | Plitidepsin 1.5 mg | Control arm |
|--|--------------------|--------------------|----------------|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 11 / 63 (17.46%) | 6 / 67 (8.96%) | 5 / 65 (7.69%) |
| number of deaths (all causes) | 2 | 1 | 2 |
| number of deaths resulting from adverse events | 2 | 1 | 0 |
| Vascular disorders | | | |
| Deep vein thrombosis | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| General disorders and administration site conditions | | | |

| | | | |
|---|----------------|----------------|----------------|
| Multiple organ dysfunction syndrome | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 1 / 65 (1.54%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 1 |
| Immune system disorders | | | |
| Hypersensitivity | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Gastrointestinal disorders | | | |
| Intestinal ischaemia | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 0 / 67 (0.00%) | 1 / 65 (1.54%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Respiratory, thoracic and mediastinal disorders | | | |
| Respiratory failure | | | |
| subjects affected / exposed | 6 / 63 (9.52%) | 4 / 67 (5.97%) | 2 / 65 (3.08%) |
| occurrences causally related to treatment / all | 0 / 7 | 0 / 5 | 0 / 2 |
| deaths causally related to treatment / all | 0 / 1 | 0 / 1 | 0 / 0 |
| Acute respiratory distress syndrome | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 1 / 67 (1.49%) | 1 / 65 (1.54%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Pulmonary embolism | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Pneumothorax | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Infections and infestations | | | |
| COVID-19 pneumonia | | | |

| | | | |
|---|----------------|----------------|----------------|
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 2 / 65 (3.08%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 2 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| Sepsis | | | |
| subjects affected / exposed | 2 / 63 (3.17%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Bronchopulmonary aspergillosis | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| COVID-19 | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 0 / 67 (0.00%) | 1 / 65 (1.54%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Cellulitis | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 2 / 2 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Pneumonia | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Pneumonia pseudomonal | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Pneumonia streptococcal | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 0 / 67 (0.00%) | 1 / 65 (1.54%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Staphylococcal sepsis | | | |

| | | | |
|---|----------------|----------------|----------------|
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |

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

| Non-serious adverse events | Plitidepsin 2.5 mg | Plitidepsin 1.5 mg | Control arm |
|---|--------------------|--------------------|------------------|
| Total subjects affected by non-serious adverse events | | | |
| subjects affected / exposed | 43 / 63 (68.25%) | 43 / 67 (64.18%) | 38 / 65 (58.46%) |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) | | | |
| Acrochordon | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences (all) | 0 | 1 | 0 |
| Thymoma | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 0 / 67 (0.00%) | 1 / 65 (1.54%) |
| occurrences (all) | 0 | 0 | 1 |
| Vascular disorders | | | |
| Phlebitis | | | |
| subjects affected / exposed | 11 / 63 (17.46%) | 9 / 67 (13.43%) | 2 / 65 (3.08%) |
| occurrences (all) | 11 | 9 | 2 |
| Hypotension | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 2 / 67 (2.99%) | 3 / 65 (4.62%) |
| occurrences (all) | 1 | 2 | 3 |
| Hypertension | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 3 / 67 (4.48%) | 2 / 65 (3.08%) |
| occurrences (all) | 0 | 4 | 4 |
| Deep vein thrombosis | | | |
| subjects affected / exposed | 2 / 63 (3.17%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 2 | 0 | 0 |
| Peripheral venous disease | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| General disorders and administration site conditions | | | |
| Pyrexia | | | |

| | | | |
|---|---------------------|---------------------|---------------------|
| subjects affected / exposed occurrences (all) | 3 / 63 (4.76%) 4 | 4 / 67 (5.97%) 7 | 4 / 65 (6.15%) 5 |
| Asthenia subjects affected / exposed occurrences (all) | 3 / 63 (4.76%) 3 | 3 / 67 (4.48%) 3 | 2 / 65 (3.08%) 2 |
| Chest discomfort subjects affected / exposed occurrences (all) | 1 / 63 (1.59%) 1 | 1 / 67 (1.49%) 1 | 4 / 65 (6.15%) 4 |
| Malaise subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 3 / 67 (4.48%) 3 | 3 / 65 (4.62%) 3 |
| Extravasation subjects affected / exposed occurrences (all) | 2 / 63 (3.17%) 2 | 2 / 67 (2.99%) 2 | 1 / 65 (1.54%) 1 |
| Oedema peripheral subjects affected / exposed occurrences (all) | 1 / 63 (1.59%) 1 | 3 / 67 (4.48%) 3 | 1 / 65 (1.54%) 1 |
| Catheter site haemorrhage subjects affected / exposed occurrences (all) | 1 / 63 (1.59%) 1 | 0 / 67 (0.00%) 0 | 0 / 65 (0.00%) 0 |
| Catheter site phlebitis subjects affected / exposed occurrences (all) | 1 / 63 (1.59%) 1 | 0 / 67 (0.00%) 0 | 0 / 65 (0.00%) 0 |
| Discomfort subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 0 / 67 (0.00%) 0 | 1 / 65 (1.54%) 2 |
| Generalised oedema subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 0 / 67 (0.00%) 0 | 1 / 65 (1.54%) 1 |
| Illness subjects affected / exposed occurrences (all) | 1 / 63 (1.59%) 1 | 0 / 67 (0.00%) 0 | 0 / 65 (0.00%) 0 |
| Reproductive system and breast disorders Perineal erythema | | | |

| | | | |
|---|-----------------|-----------------|----------------|
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Prostatitis | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 0 / 67 (0.00%) | 1 / 65 (1.54%) |
| occurrences (all) | 0 | 0 | 1 |
| Pruritus genital | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Respiratory, thoracic and mediastinal disorders | | | |
| Acute respiratory distress syndrome | | | |
| subjects affected / exposed | 8 / 63 (12.70%) | 7 / 67 (10.45%) | 5 / 65 (7.69%) |
| occurrences (all) | 10 | 7 | 6 |
| Dyspnoea | | | |
| subjects affected / exposed | 3 / 63 (4.76%) | 1 / 67 (1.49%) | 4 / 65 (6.15%) |
| occurrences (all) | 3 | 1 | 5 |
| Cough | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 2 / 67 (2.99%) | 4 / 65 (6.15%) |
| occurrences (all) | 1 | 2 | 5 |
| Pulmonary embolism | | | |
| subjects affected / exposed | 3 / 63 (4.76%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences (all) | 3 | 1 | 0 |
| Bronchial hyperreactivity | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 1 / 65 (1.54%) |
| occurrences (all) | 1 | 0 | 1 |
| Hiccups | | | |
| subjects affected / exposed | 2 / 63 (3.17%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 2 | 0 | 0 |
| Oropharyngeal pain | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 1 / 65 (1.54%) |
| occurrences (all) | 1 | 0 | 1 |
| Bronchial disorder | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 0 / 67 (0.00%) | 1 / 65 (1.54%) |
| occurrences (all) | 0 | 0 | 1 |
| Dyspnoea exertional | | | |

| | | | |
|-----------------------------|-----------------|----------------|----------------|
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences (all) | 0 | 1 | 0 |
| Laryngeal oedema | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences (all) | 0 | 1 | 0 |
| Lung disorder | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 0 / 67 (0.00%) | 1 / 65 (1.54%) |
| occurrences (all) | 0 | 0 | 1 |
| Pleuritic pain | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences (all) | 0 | 1 | 0 |
| Pneumomediastinum | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Rales | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 0 / 67 (0.00%) | 1 / 65 (1.54%) |
| occurrences (all) | 0 | 0 | 1 |
| Respiratory distress | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 0 / 67 (0.00%) | 1 / 65 (1.54%) |
| occurrences (all) | 0 | 0 | 1 |
| Respiratory failure | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences (all) | 0 | 1 | 0 |
| Psychiatric disorders | | | |
| Sleep disorder | | | |
| subjects affected / exposed | 7 / 63 (11.11%) | 6 / 67 (8.96%) | 5 / 65 (7.69%) |
| occurrences (all) | 8 | 6 | 6 |
| Anxiety | | | |
| subjects affected / exposed | 5 / 63 (7.94%) | 0 / 67 (0.00%) | 1 / 65 (1.54%) |
| occurrences (all) | 6 | 0 | 1 |
| Confusional state | | | |
| subjects affected / exposed | 2 / 63 (3.17%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences (all) | 2 | 1 | 0 |
| Irritability | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 1 | 0 |

| | | | |
|--|------------------|------------------|----------------|
| Delirium | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Investigations | | | |
| Serum ferritin abnormal | | | |
| subjects affected / exposed | 15 / 63 (23.81%) | 13 / 67 (19.40%) | 4 / 65 (6.15%) |
| occurrences (all) | 18 | 16 | 5 |
| C-reactive protein increased | | | |
| subjects affected / exposed | 11 / 63 (17.46%) | 7 / 67 (10.45%) | 5 / 65 (7.69%) |
| occurrences (all) | 11 | 11 | 5 |
| Blood lactate dehydrogenase increased | | | |
| subjects affected / exposed | 6 / 63 (9.52%) | 6 / 67 (8.96%) | 6 / 65 (9.23%) |
| occurrences (all) | 6 | 7 | 7 |
| Alanine aminotransferase increased | | | |
| subjects affected / exposed | 4 / 63 (6.35%) | 7 / 67 (10.45%) | 5 / 65 (7.69%) |
| occurrences (all) | 4 | 8 | 6 |
| Gamma-glutamyltransferase increased | | | |
| subjects affected / exposed | 5 / 63 (7.94%) | 8 / 67 (11.94%) | 3 / 65 (4.62%) |
| occurrences (all) | 7 | 9 | 3 |
| Procalcitonin increased | | | |
| subjects affected / exposed | 7 / 63 (11.11%) | 4 / 67 (5.97%) | 2 / 65 (3.08%) |
| occurrences (all) | 7 | 4 | 2 |
| Aspartate aminotransferase increased | | | |
| subjects affected / exposed | 5 / 63 (7.94%) | 3 / 67 (4.48%) | 4 / 65 (6.15%) |
| occurrences (all) | 5 | 3 | 4 |
| Blood glucose increased | | | |
| subjects affected / exposed | 4 / 63 (6.35%) | 4 / 67 (5.97%) | 4 / 65 (6.15%) |
| occurrences (all) | 4 | 4 | 5 |
| Blood creatine phosphokinase increased | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 2 / 67 (2.99%) | 3 / 65 (4.62%) |
| occurrences (all) | 0 | 2 | 3 |
| Fibrin D dimer increased | | | |
| subjects affected / exposed | 2 / 63 (3.17%) | 2 / 67 (2.99%) | 1 / 65 (1.54%) |
| occurrences (all) | 2 | 3 | 1 |

| | | | |
|---|---------------------|---------------------|---------------------|
| Lymphocyte count decreased subjects affected / exposed occurrences (all) | 1 / 63 (1.59%) 1 | 2 / 67 (2.99%) 2 | 2 / 65 (3.08%) 2 |
| Lipase increased subjects affected / exposed occurrences (all) | 3 / 63 (4.76%) 4 | 1 / 67 (1.49%) 1 | 0 / 65 (0.00%) 0 |
| Adjusted calcium decreased subjects affected / exposed occurrences (all) | 1 / 63 (1.59%) 1 | 2 / 67 (2.99%) 2 | 0 / 65 (0.00%) 0 |
| Electrocardiogram QT prolonged subjects affected / exposed occurrences (all) | 1 / 63 (1.59%) 1 | 1 / 67 (1.49%) 1 | 0 / 65 (0.00%) 0 |
| Oxygen saturation subjects affected / exposed occurrences (all) | 1 / 63 (1.59%) 1 | 0 / 67 (0.00%) 0 | 1 / 65 (1.54%) 1 |
| Amylase increased subjects affected / exposed occurrences (all) | 1 / 63 (1.59%) 3 | 0 / 67 (0.00%) 0 | 0 / 65 (0.00%) 0 |
| Blood albumin decreased subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 1 / 67 (1.49%) 1 | 0 / 65 (0.00%) 0 |
| Blood potassium decreased subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 1 / 67 (1.49%) 1 | 0 / 65 (0.00%) 0 |
| Blood sodium decreased subjects affected / exposed occurrences (all) | 1 / 63 (1.59%) 1 | 0 / 67 (0.00%) 0 | 0 / 65 (0.00%) 0 |
| Chest X-ray abnormal subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 0 / 67 (0.00%) 0 | 1 / 65 (1.54%) 1 |
| Electrocardiogram PR prolongation subjects affected / exposed occurrences (all) | 1 / 63 (1.59%) 1 | 0 / 67 (0.00%) 0 | 0 / 65 (0.00%) 0 |
| Haemoglobin decreased subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 0 / 67 (0.00%) 0 | 1 / 65 (1.54%) 1 |

| | | | |
|---|---------------------|---------------------|---------------------|
| Hepatic enzyme abnormal subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 1 / 67 (1.49%) 2 | 0 / 65 (0.00%) 0 |
| Hepatic enzyme increased subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 0 / 67 (0.00%) 0 | 1 / 65 (1.54%) 1 |
| Interleukin level decreased subjects affected / exposed occurrences (all) | 1 / 63 (1.59%) 1 | 0 / 67 (0.00%) 0 | 0 / 65 (0.00%) 0 |
| Interleukin level increased subjects affected / exposed occurrences (all) | 1 / 63 (1.59%) 2 | 0 / 67 (0.00%) 0 | 0 / 65 (0.00%) 0 |
| International normalised ratio increased subjects affected / exposed occurrences (all) | 1 / 63 (1.59%) 1 | 0 / 67 (0.00%) 0 | 0 / 65 (0.00%) 0 |
| Neutrophil count decreased subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 0 / 67 (0.00%) 0 | 1 / 65 (1.54%) 1 |
| SARS-CoV-2 test positive subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 0 / 67 (0.00%) 0 | 1 / 65 (1.54%) 1 |
| Troponin T increased subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 1 / 67 (1.49%) 1 | 0 / 65 (0.00%) 0 |
| White blood cell count decreased subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 0 / 67 (0.00%) 0 | 1 / 65 (1.54%) 1 |
| Injury, poisoning and procedural complications | | | |
| Contusion subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 1 / 67 (1.49%) 1 | 0 / 65 (0.00%) 0 |
| Epicondylitis subjects affected / exposed occurrences (all) | 1 / 63 (1.59%) 1 | 0 / 67 (0.00%) 0 | 0 / 65 (0.00%) 0 |
| Eschar | | | |

| | | | |
|----------------------------------|----------------|----------------|----------------|
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 2 | 0 | 0 |
| Limb injury | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences (all) | 0 | 1 | 0 |
| Nerve injury | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Traumatic haematoma | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Wound | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Cardiac disorders | | | |
| Bradycardia | | | |
| subjects affected / exposed | 2 / 63 (3.17%) | 1 / 67 (1.49%) | 1 / 65 (1.54%) |
| occurrences (all) | 2 | 1 | 1 |
| Atrioventricular block | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 2 / 67 (2.99%) | 0 / 65 (0.00%) |
| occurrences (all) | 0 | 2 | 0 |
| Tachycardia | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 1 / 65 (1.54%) |
| occurrences (all) | 0 | 1 | 1 |
| Atrial fibrillation | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 0 / 67 (0.00%) | 1 / 65 (1.54%) |
| occurrences (all) | 0 | 0 | 1 |
| Cardiac failure | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Ventricular extrasystoles | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Nervous system disorders | | | |
| Headache | | | |

| | | | |
|--------------------------------------|----------------|-----------------|----------------|
| subjects affected / exposed | 6 / 63 (9.52%) | 7 / 67 (10.45%) | 5 / 65 (7.69%) |
| occurrences (all) | 8 | 8 | 5 |
| Dizziness | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 2 / 67 (2.99%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 2 | 0 |
| Paraesthesia | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 1 / 65 (1.54%) |
| occurrences (all) | 0 | 1 | 1 |
| Epilepsy | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Neuromyopathy | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences (all) | 0 | 1 | 0 |
| Psychomotor hyperactivity | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences (all) | 0 | 1 | 0 |
| Somnolence | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences (all) | 0 | 1 | 0 |
| Tremor | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Blood and lymphatic system disorders | | | |
| Lymphopenia | | | |
| subjects affected / exposed | 2 / 63 (3.17%) | 1 / 67 (1.49%) | 1 / 65 (1.54%) |
| occurrences (all) | 2 | 2 | 1 |
| Leukocytosis | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 2 / 65 (3.08%) |
| occurrences (all) | 0 | 1 | 2 |
| Anaemia | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences (all) | 2 | 1 | 0 |
| Leukopenia | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 1 / 65 (1.54%) |
| occurrences (all) | 0 | 1 | 1 |

| | | | |
|-----------------------------|------------------|------------------|----------------|
| Neutropenia | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences (all) | 0 | 1 | 0 |
| Normocytic anaemia | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences (all) | 0 | 1 | 0 |
| Ear and labyrinth disorders | | | |
| Vertigo | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 1 / 65 (1.54%) |
| occurrences (all) | 1 | 0 | 1 |
| Tinnitus | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Gastrointestinal disorders | | | |
| Constipation | | | |
| subjects affected / exposed | 11 / 63 (17.46%) | 10 / 67 (14.93%) | 4 / 65 (6.15%) |
| occurrences (all) | 12 | 10 | 4 |
| Nausea | | | |
| subjects affected / exposed | 9 / 63 (14.29%) | 8 / 67 (11.94%) | 1 / 65 (1.54%) |
| occurrences (all) | 9 | 8 | 1 |
| Diarrhoea | | | |
| subjects affected / exposed | 9 / 63 (14.29%) | 3 / 67 (4.48%) | 3 / 65 (4.62%) |
| occurrences (all) | 9 | 3 | 3 |
| Abdominal pain | | | |
| subjects affected / exposed | 2 / 63 (3.17%) | 3 / 67 (4.48%) | 2 / 65 (3.08%) |
| occurrences (all) | 2 | 3 | 2 |
| Vomiting | | | |
| subjects affected / exposed | 3 / 63 (4.76%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences (all) | 3 | 2 | 0 |
| Dyspepsia | | | |
| subjects affected / exposed | 2 / 63 (3.17%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 3 | 0 | 0 |
| Flatulence | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 1 / 65 (1.54%) |
| occurrences (all) | 1 | 0 | 1 |
| Oropharyngeal pain | | | |

| | | | |
|--|----------------|----------------|----------------|
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 1 / 65 (1.54%) |
| occurrences (all) | 0 | 1 | 1 |
| Frequent bowel movements | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences (all) | 0 | 1 | 0 |
| Gastroesophageal reflux disease | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 0 / 67 (0.00%) | 1 / 65 (1.54%) |
| occurrences (all) | 0 | 0 | 1 |
| Haemorrhoids | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Mouth haemorrhage | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Rectal haemorrhage | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 2 | 0 | 0 |
| Stomatitis | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Hepatobiliary disorders | | | |
| Hepatotoxicity | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Hypertransaminasaemia | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Skin and subcutaneous tissue disorders | | | |
| Decubitus ulcer | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 2 / 67 (2.99%) | 1 / 65 (1.54%) |
| occurrences (all) | 3 | 2 | 1 |
| Erythema | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 2 / 67 (2.99%) | 0 / 65 (0.00%) |
| occurrences (all) | 0 | 3 | 0 |
| Dry skin | | | |

| | | | |
|--|---------------------|---------------------|---------------------|
| subjects affected / exposed occurrences (all) | 1 / 63 (1.59%) 1 | 0 / 67 (0.00%) 0 | 0 / 65 (0.00%) 0 |
| Eczema subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 1 / 67 (1.49%) 1 | 0 / 65 (0.00%) 0 |
| Rash subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 1 / 67 (1.49%) 1 | 0 / 65 (0.00%) 0 |
| Subcutaneous emphysema subjects affected / exposed occurrences (all) | 1 / 63 (1.59%) 1 | 0 / 67 (0.00%) 0 | 0 / 65 (0.00%) 0 |
| Renal and urinary disorders | | | |
| Renal impairment subjects affected / exposed occurrences (all) | 4 / 63 (6.35%) 4 | 1 / 67 (1.49%) 1 | 1 / 65 (1.54%) 1 |
| Dysuria subjects affected / exposed occurrences (all) | 1 / 63 (1.59%) 1 | 1 / 67 (1.49%) 1 | 0 / 65 (0.00%) 0 |
| Pollakiuria subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 0 / 67 (0.00%) 0 | 1 / 65 (1.54%) 1 |
| Urge incontinence subjects affected / exposed occurrences (all) | 1 / 63 (1.59%) 1 | 0 / 67 (0.00%) 0 | 0 / 65 (0.00%) 0 |
| Musculoskeletal and connective tissue disorders | | | |
| Myalgia subjects affected / exposed occurrences (all) | 4 / 63 (6.35%) 5 | 2 / 67 (2.99%) 2 | 1 / 65 (1.54%) 1 |
| Back pain subjects affected / exposed occurrences (all) | 2 / 63 (3.17%) 2 | 2 / 67 (2.99%) 2 | 1 / 65 (1.54%) 1 |
| Pain in extremity subjects affected / exposed occurrences (all) | 2 / 63 (3.17%) 2 | 2 / 67 (2.99%) 2 | 0 / 65 (0.00%) 0 |
| Myopathy | | | |

| | | | |
|---|---------------------|---------------------|---------------------|
| subjects affected / exposed occurrences (all) | 2 / 63 (3.17%) 2 | 0 / 67 (0.00%) 0 | 1 / 65 (1.54%) 1 |
| Limb discomfort subjects affected / exposed occurrences (all) | 1 / 63 (1.59%) 1 | 0 / 67 (0.00%) 0 | 0 / 65 (0.00%) 0 |
| Muscle contracture subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 1 / 67 (1.49%) 2 | 0 / 65 (0.00%) 0 |
| Neck pain subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 0 / 67 (0.00%) 0 | 1 / 65 (1.54%) 1 |
| Infections and infestations | | | |
| Oral candidiasis subjects affected / exposed occurrences (all) | 3 / 63 (4.76%) 3 | 0 / 67 (0.00%) 0 | 0 / 65 (0.00%) 0 |
| Tooth infection subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 2 / 67 (2.99%) 2 | 0 / 65 (0.00%) 0 |
| Urinary tract infection subjects affected / exposed occurrences (all) | 1 / 63 (1.59%) 1 | 0 / 67 (0.00%) 0 | 1 / 65 (1.54%) 1 |
| Bacteraemia subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 1 / 67 (1.49%) 1 | 0 / 65 (0.00%) 0 |
| Bacteriuria subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 1 / 67 (1.49%) 1 | 0 / 65 (0.00%) 0 |
| Cellulitis subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 1 / 67 (1.49%) 1 | 0 / 65 (0.00%) 0 |
| Conjunctivitis subjects affected / exposed occurrences (all) | 0 / 63 (0.00%) 0 | 0 / 67 (0.00%) 0 | 1 / 65 (1.54%) 1 |
| Herpes simplex subjects affected / exposed occurrences (all) | 1 / 63 (1.59%) 1 | 0 / 67 (0.00%) 0 | 0 / 65 (0.00%) 0 |

| | | | |
|------------------------------------|------------------|------------------|----------------|
| Herpes zoster | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Hordeolum | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences (all) | 0 | 1 | 0 |
| Pneumonia bacterial | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences (all) | 0 | 1 | 0 |
| Rhinitis | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Tracheobronchitis | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences (all) | 0 | 1 | 0 |
| Upper respiratory tract infection | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Metabolism and nutrition disorders | | | |
| Hyperglycaemia | | | |
| subjects affected / exposed | 14 / 63 (22.22%) | 12 / 67 (17.91%) | 6 / 65 (9.23%) |
| occurrences (all) | 14 | 12 | 6 |
| Decreased appetite | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 2 / 67 (2.99%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 2 | 0 |
| Hyperkalaemia | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 1 / 67 (1.49%) | 1 / 65 (1.54%) |
| occurrences (all) | 1 | 1 | 1 |
| Diabetes mellitus | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 1 | 0 |
| Hypokalaemia | | | |
| subjects affected / exposed | 2 / 63 (3.17%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 3 | 0 | 0 |
| Hyponatraemia | | | |

| | | | |
|--------------------------------------|----------------|----------------|----------------|
| subjects affected / exposed | 2 / 63 (3.17%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 3 | 0 | 0 |
| Acquired mixed hyperlipidaemia | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 0 / 67 (0.00%) | 1 / 65 (1.54%) |
| occurrences (all) | 0 | 0 | 1 |
| Diabetes mellitus inadequate control | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 1 / 67 (1.49%) | 0 / 65 (0.00%) |
| occurrences (all) | 0 | 1 | 0 |
| Hypernatraemia | | | |
| subjects affected / exposed | 0 / 63 (0.00%) | 0 / 67 (0.00%) | 1 / 65 (1.54%) |
| occurrences (all) | 0 | 0 | 1 |
| Hypocalcaemia | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Hypomagnesaemia | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Hypoproteinaemia | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |
| Metabolic alkalosis | | | |
| subjects affected / exposed | 1 / 63 (1.59%) | 0 / 67 (0.00%) | 0 / 65 (0.00%) |
| occurrences (all) | 1 | 0 | 0 |

More information

Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date | Amendment |
|------------------|---|
| 29 January 2021 | <ul style="list-style-type: none">• Revised study title to specify the adult patients requiring hospitalisation for management of moderate COVID-19.• Indication was revised from "severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection (Coronavirus disease-2019 [COVID-19])" to "Treatment of patients hospitalised for management of moderate COVID-19 infection".• Updated study objectives, respective endpoints, and overall study design and plan description.• Revised end of study definition, diagnosis, and main criteria for inclusion and exclusion.• Updated replacement procedures and follow-up schedule of patients prematurely discontinued from the study treatment regimen or withdrawn from study.• Updated treatments administered, method of treatment assignment, background information, study rationale to align with study design and updated investigator brochure.• Updated section about blinding based on WHO guidance and experience in the APLICOV-PC trial.• List of allowed medications, prohibited medications, and supportive care were updated.• Updated study assessments and procedure section.• Updated section on determination of sample size.• Updated Schedule of Assessments.• Added new appendix (#7) of Barthel index for functional assessment. |
| 12 February 2021 | <ul style="list-style-type: none">• Updated inclusion criterion #3: excluded any patient with hyperbilirubinemia, including patients with Gilbert's syndrome as requested by agency (Medicines and Healthcare products Regulatory Agency).• Updated exclusion criterion #10 to add appropriate risk mitigation for bradycardia.• Updated contraception guidance in line with the Australian Summary of Product Characteristics. |

| | |
|---------------|---|
| 18 March 2021 | <ul style="list-style-type: none"> • Updated introduction section to add text for APLICOV findings, safety, and efficacy in patients with COVID-19 and benefit-risk considerations • Updated objective and endpoints, as below: <ul style="list-style-type: none"> o Modified "COVID-19 infection" to "COVID-19 related signs or symptoms" o Include "Proportion of patients with a serologic response anti-SARS-CoV-2" as other secondary objective o Include "Proportion of patients with a serologic response anti-SARS-CoV-2" as other secondary endpoint o Changed patients to be included in QTc substudy (from at least 25 to 50 patients) • Updated section of investigation plan to allow equivalence between doses of dexamethasone phosphate and dexamethasone base, patients to be included in QTc substudy (from at least 25 to 50 patients), and IDMC responsibilities • Updated section for selection of study population • Stopping rules: Added futility analysis for efficacy and safety to be performed when 33% of patients have been randomised and reached a follow-up of 31 days • Deleted interim analysis for efficacy • Updated section of study treatment, concomitant therapies, and other restrictions • Updated section of study assessment and procedures: <ul style="list-style-type: none"> o Changed the timeframe defined in Schedule of Assessments (from 48 hours to 24 hours) o Clarified time to perform the PCR for COVID-19 (not only at screening but also within the previous 24 hours) o Modified "COVID-19 infection" to "COVID-19 related signs or symptoms" o Clinical laboratory evaluations: Included sodium, potassium, calcium (adjusted), magnesium and troponin, BNP/NT-pro BNP o Prestudy screening assessments o Evaluations during the study treatment updated for serum chemistry, vital signs, and SpO2 o Updated section of sample size and analyses for number of patients o Included Appendix 11 to explain the Charlson comorbidity index o Added futility analysis for efficacy & safety o Included users of antiviral therapies or immunomodulatory drugs in subgroup analyses for primary endpoint |
| 13 April 2021 | <ul style="list-style-type: none"> • Revised randomisation stratification factor as Geographical Region (Europe versus Rest of the World). • Updated IDMC charter. • A multiplicity adjustment was added in key secondary efficacy outcome measures and Hochberg procedure. • Futility analysis text was updated. • AEs of special interest were added under other secondary objectives/endpoints. • Corrected usage of "in person visit or remotely" and added troponin assessment, at applicable instances. • Revised the text that the troponin tests were to be performed at local laboratory. • Administration of remdesivir if the patient was randomised to the control arm (yes versus no), a subgroup was added for the primary efficacy endpoint analysis. |

| | |
|-----------------|--|
| 27 July 2021 | <ul style="list-style-type: none"> • Two (non-key) secondary objectives were added. • Protocol was adapted to include patients that have received dexamethasone prior to randomisation. • Inclusion criteria updated to allow inclusion of patients with documented diagnosis of SARS-CoV-2 infection by either qualitative PCR or antigen test, to allow patients with maximum of 10 days from onset of COVID-19 symptoms to initiation of study treatment on Day 1, and criteria related to CPK levels, urine samples for pregnancy, and effective contraception methods. • Below exclusion criteria were updated to exclude patients having received treatment for COVID-19 in another trial 4 weeks prior to study enrolment, with severe disease, including mild to severe acute respiratory distress syndrome, history of live vaccination, and with uncontrolled known primary or secondary immunodeficiency. • Disease diagnostic criteria clarified for investigators in the case that the patient had experienced more than one COVID-19 episode. • Clarified for investigators that dose reduction was not allowed. • Concomitant medication text revised to indicate that all COVID-19 vaccinations were to be recorded. • Allowed medication section was amended to allow SARS-CoV-2 vaccination except vaccines with live attenuated virus. • Prohibited medications section updated for usage of approved therapies. • Prebaseline Barthel index score was to be recorded for the previous month before screening. Additionally, SARS-CoV-2 variant was to be recorded, if available. |
| 13 October 2021 | <ul style="list-style-type: none"> • Peru-specific country amendment was released. |
| 29 March 2022 | <ul style="list-style-type: none"> • Study rationale updated with new treatments for COVID-19 and updated results for APLICOV-PC study. • Primary and secondary efficacy objectives and respective endpoints were revised to reflect the significant changes in patient population hospitalised for moderate COVID-19. • Other secondary efficacy objective endpoints were updated for clarity. • Inclusion and exclusion criteria were revised to align with evolving clinical practice for COVID-19. • A new stratification factor of Barthel index was added for randomisation. • Futility analysis was revised to align with revised study design, study objectives, and endpoints. • Standard of care was revised based on the additional treatments and locally approved agents per local guidance. • In the study design, description of treatments in the study arms and follow-up period was clarified. Clarified that dexamethasone is administered as part of premedication on Days 1 to 3. • The AEs to be monitored during the follow-up period were clarified. End of study definition was revised. • Randomisation time was extended to 20 months to support recruitment. • Safety and efficacy assessments were updated to align with revised endpoints. End of study assessments were updated. Accordingly, the Schedule of Assessment table was updated. • Statistical analysis was revised to align with revised endpoints. |

Notes:

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.

Sponsor prematurely ended study on 31Jan23 due to decreased incidence of study population. Due to system restriction, EoT is entered as 01Mar23, primary completion date, despite Sponsor considering EoT the date of reporting early termination, 31Jan23

Notes:

