



Clinical trial results:

A Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study to Evaluate the Efficacy and Safety of Dapirolizumab Pegol in Study Participants With Moderately to Severely Active Systemic Lupus Erythematosus

Summary

| | |
|--------------------------|--|
| EudraCT number | 2019-003406-27 |
| Trial protocol | BE PL DE BG HU ES AT GR PT GB FR CZ IT DK RO |
| Global end of trial date | 04 June 2024 |

Results information

| | |
|--------------------------------|---------------|
| Result version number | v1 (current) |
| This version publication date | 19 April 2025 |
| First version publication date | 19 April 2025 |

Trial information

Trial identification

| | |
|-----------------------|--------|
| Sponsor protocol code | SL0043 |
|-----------------------|--------|

Additional study identifiers

| | |
|------------------------------------|-------------|
| ISRCTN number | - |
| ClinicalTrials.gov id (NCT number) | NCT04294667 |
| WHO universal trial number (UTN) | - |

Notes:

Sponsors

| | |
|------------------------------|---|
| Sponsor organisation name | UCB Biopharma SRL |
| Sponsor organisation address | Allée de la Recherche 60, Brussels, Belgium, 1070 |
| Public contact | Clin Trial Reg & Results Disclosure, UCB BIOSCIENCES GmbH, clinicaltrials@ucb.com |
| Scientific contact | Clin Trial Reg & Results Disclosure, UCB BIOSCIENCES GmbH, clinicaltrials@ucb.com |

Notes:

Paediatric regulatory details

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|--|----|
| 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 | 23 July 2024 |
| Is this the analysis of the primary completion data? | Yes |
| Primary completion date | 22 May 2024 |
| Global end of trial reached? | Yes |
| Global end of trial date | 04 June 2024 |
| Was the trial ended prematurely? | No |

Notes:

General information about the trial

Main objective of the trial:

To evaluate the ability of DZP as an add-on treatment to SOC medication to achieve clinically relevant long-term improvement of moderate to severe disease activity

Protection of trial subjects:

During the conduct of the study all participants were closely monitored.

Background therapy:

Background therapy as permitted in the protocol.

Evidence for comparator:

Not applicable.

| | |
|---|----------------|
| Actual start date of recruitment | 12 August 2020 |
| 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 | Argentina: 12 |
| Country: Number of subjects enrolled | Australia: 1 |
| Country: Number of subjects enrolled | Austria: 1 |
| Country: Number of subjects enrolled | Belgium: 3 |
| Country: Number of subjects enrolled | Bulgaria: 11 |
| Country: Number of subjects enrolled | Canada: 11 |
| Country: Number of subjects enrolled | Chile: 7 |
| Country: Number of subjects enrolled | Colombia: 30 |
| Country: Number of subjects enrolled | Czechia: 4 |
| Country: Number of subjects enrolled | Germany: 17 |
| Country: Number of subjects enrolled | Greece: 6 |
| Country: Number of subjects enrolled | Hungary: 11 |
| Country: Number of subjects enrolled | Italy: 7 |
| Country: Number of subjects enrolled | Mexico: 21 |
| Country: Number of subjects enrolled | Peru: 25 |
| Country: Number of subjects enrolled | Philippines: 2 |
| Country: Number of subjects enrolled | Poland: 40 |
| Country: Number of subjects enrolled | Romania: 2 |
| Country: Number of subjects enrolled | Serbia: 12 |
| Country: Number of subjects enrolled | Korea, Republic of: 4 |

| | |
|--------------------------------------|-------------------|
| Country: Number of subjects enrolled | Spain: 12 |
| Country: Number of subjects enrolled | Taiwan: 17 |
| Country: Number of subjects enrolled | United States: 65 |
| Worldwide total number of subjects | 321 |
| EEA total number of subjects | 114 |

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) | 1 |
| Adults (18-64 years) | 307 |
| From 65 to 84 years | 13 |
| 85 years and over | 0 |

Subject disposition

Recruitment

Recruitment details:

The study started to enroll participants in August 2020 and concluded in June 2024.

Pre-assignment

Screening details:

Participant flow refers to the Randomized Set (RS).

Period 1

| | |
|------------------------------|--|
| Period 1 title | Overall Study (overall period) |
| Is this the baseline period? | Yes |
| Allocation method | Randomised - controlled |
| Blinding used | Double blind |
| Roles blinded | Subject, Investigator, Carer, Assessor |

Arms

| | |
|------------------------------|---------|
| Are arms mutually exclusive? | Yes |
| Arm title | PBO+SOC |

Arm description:

Participants received placebo (PBO) as an intravenous (iv) infusion every 4 weeks (Q4W) in combination with Standard of Care (SOC) during 48 weeks Treatment Period.

| | |
|--|-----------------|
| Arm type | Placebo |
| Investigational medicinal product name | Placebo |
| Investigational medicinal product code | |
| Other name | PBO |
| Pharmaceutical forms | Infusion |
| Routes of administration | Intravenous use |

Dosage and administration details:

Participants received placebo at prespecified time-points.

| | |
|------------------|---------|
| Arm title | DZP+SOC |
|------------------|---------|

Arm description:

Participants received Dapirolizumab pegol (DZP) 24 milligrams/kilogram (mg/kg) as an iv infusion Q4W in combination with SOC during 48 weeks Treatment Period.

| | |
|--|---------------------|
| Arm type | Experimental |
| Investigational medicinal product name | Dapirolizumab pegol |
| Investigational medicinal product code | |
| Other name | CDP7657, DZP |
| Pharmaceutical forms | Infusion |
| Routes of administration | Intravenous use |

Dosage and administration details:

Participants received Dapirolizumab pegol at prespecified time-points.

| Number of subjects in period 1 | PBO+SOC | DZP+SOC |
|---|---------|---------|
| Started | 108 | 213 |
| Completed | 91 | 192 |
| Not completed | 17 | 21 |
| Subject Decision due to Personal Reason | - | 1 |
| Adverse event, serious fatal | - | 1 |
| PI closed Site – Subject Early Withdrawal | - | 1 |
| Consent Withdrawal by Study Participant | 9 | 7 |
| Adverse event, non-fatal | 3 | 4 |
| Patient has a Renal Flare | 1 | - |
| SLE Worsening | - | 1 |
| Subject Moved to Another State | - | 1 |
| Subject Withdrew due to Personal Reason | - | 1 |
| Lack of efficacy | 4 | 4 |

Baseline characteristics

Reporting groups

| | |
|-----------------------|---------|
| Reporting group title | PBO+SOC |
|-----------------------|---------|

Reporting group description:

Participants received placebo (PBO) as an intravenous (iv) infusion every 4 weeks (Q4W) in combination with Standard of Care (SOC) during 48 weeks Treatment Period.

| | |
|-----------------------|---------|
| Reporting group title | DZP+SOC |
|-----------------------|---------|

Reporting group description:

Participants received Dapirolizumab pegol (DZP) 24 milligrams/kilogram (mg/kg) as an iv infusion Q4W in combination with SOC during 48 weeks Treatment Period.

| Reporting group values | PBO+SOC | DZP+SOC | Total |
|------------------------|---------|---------|-------|
| Number of subjects | 108 | 213 | 321 |
| Age Categorical | | | |
| Units: participants | | | |
| 12 to <18 Years | 0 | 1 | 1 |
| 18 to <65 Years | 106 | 201 | 307 |
| 65 to <85 Years | 2 | 11 | 13 |
| Age Continuous | | | |
| Units: Years | | | |
| arithmetic mean | 41.5 | 43.8 | |
| standard deviation | ± 12.3 | ± 12.4 | - |
| Sex: Female, Male | | | |
| Units: participants | | | |
| Female | 101 | 198 | 299 |
| Male | 7 | 15 | 22 |

End points

End points reporting groups

| | |
|--|---------|
| Reporting group title | PBO+SOC |
| Reporting group description: | |
| Participants received placebo (PBO) as an intravenous (iv) infusion every 4 weeks (Q4W) in combination with Standard of Care (SOC) during 48 weeks Treatment Period. | |
| Reporting group title | DZP+SOC |
| Reporting group description: | |
| Participants received Dapirolizumab pegol (DZP) 24 milligrams/kilogram (mg/kg) as an iv infusion Q4W in combination with SOC during 48 weeks Treatment Period. | |

Primary: Percentage of Participants with Achievement of BILAG 2004-based Composite Lupus Assessment (BICLA) response at Week 48

| | |
|---|--|
| End point title | Percentage of Participants with Achievement of BILAG 2004-based Composite Lupus Assessment (BICLA) response at Week 48 |
| End point description: | |
| Participants were considered to be BILAG 2004-BICLA responder if all of following were fulfilled: | |
| <ul style="list-style-type: none">• BILAG 2004 improvement without worsening (A scores at Baseline improved to B, C or D; B scores improved to C or D; no new A scores and less than or equal to [\leq] 1 new B.); Here, score A ("Active"): Severely active disease; score B ("Beware"): Moderately active disease; score C ("Contentment"): Mild stable disease; score D ("Discount"): Inactive now but previously active; and• No worsening in the SLEDAI-2K total score compared to Baseline Visit (defined as no increase in SLEDAI-2K total score); and• No worsening in the Physician's Global Assessment of Disease (PGA) compared to Baseline Visit defined as \leq 10 millimeter (mm) increase on a 100 mm visual analog scale (VAS). | |
| Full Analysis Set (FAS) consisted of all study participants randomized into the study except 6 participants excluded from FAS due to persistent GCP non-compliance at the site enrolling them. | |
| End point type | Primary |
| End point timeframe: | |
| Week 48 | |

| End point values | PBO+SOC | DZP+SOC | | |
|-----------------------------------|-----------------|-----------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 107 | 208 | | |
| Units: percentage of participants | | | | |
| number (not applicable) | 34.6 | 49.5 | | |

Statistical analyses

| | |
|--|------------------------|
| Statistical analysis title | Statistical Analysis 1 |
| Statistical analysis description: | |
| The difference in proportion responding between SOC+DZP 24mg/kg and SOC+PBO was estimated and tested using the Cochran-Mantel-Haenszel (CMH) risk difference estimate controlling for the randomization stratification factors, Pooled Region (North America vs Western Europe/Asia-Pacific vs | |

Latin America/Eastern Europe), Screening disease activity (chronic active vs acute flaring) and Screening SLEDAI score (<10 vs ≥10).

| | |
|---|-------------------------------|
| Comparison groups | DZP+SOC v PBO+SOC |
| Number of subjects included in analysis | 315 |
| Analysis specification | Pre-specified |
| Analysis type | |
| P-value | = 0.011 |
| Method | Cochran-Mantel-Haenszel |
| Parameter estimate | Difference in Proportions (%) |
| Point estimate | 14.6 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | 3.3 |
| upper limit | 25.8 |

Secondary: Percentage of Participants with Achievement of BICLA response at Week 24

| | |
|-----------------|--|
| End point title | Percentage of Participants with Achievement of BICLA response at Week 24 |
|-----------------|--|

End point description:

Study participants were considered to be a BICLA responder if all of the following were fulfilled:

- British Isles Lupus Assessment Group Disease Activity Index 2004 (BILAG 2004) improvement without worsening (A scores at Baseline improved to B, C or D; B scores improved to C or D; no new A scores and ≤ 1 new B.); Here, score A ("Active"): Severely active disease; score B ("Beware"): Moderately active disease; score C ("Contentment"): Mild stable disease; score D ("Discount"): Inactive now but previously active; and
- No worsening in the Systemic Lupus Erythematosus Disease Activity Index 2000 (SLEDAI-2K) total score compared to Baseline Visit (defined as no increase in SLEDAI-2K total score); and
- No worsening in the PGA compared to Baseline Visit defined as ≤ 10 mm increase on a 100 mm VAS.

The FAS consisted of all study participants randomized into the study except 6 participants excluded from FAS due to persistent GCP non-compliance at the site enrolling them.

| | |
|----------------------|-----------|
| End point type | Secondary |
| End point timeframe: | |
| Week 24 | |

| End point values | PBO+SOC | DZP+SOC | | |
|-----------------------------------|-----------------|-----------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 107 | 208 | | |
| Units: percentage of participants | | | | |
| number (not applicable) | 38.3 | 46.6 | | |

Statistical analyses

| | |
|---|-------------------------------|
| Statistical analysis title | Statistical Analysis 1 |
| Statistical analysis description: | |
| The difference in proportion responding between SOC+DZP 24mg/kg and SOC+PBO was estimated and tested using the CMH risk difference estimate controlling for the randomization stratification factors, Pooled Region (North America vs Western Europe/Asia-Pacific vs Latin America/Eastern Europe), Screening disease activity (chronic active vs acute flaring) and Screening SLEDAI score (<10 vs ≥10). | |
| Comparison groups | PBO+SOC v DZP+SOC |
| Number of subjects included in analysis | 315 |
| Analysis specification | Pre-specified |
| Analysis type | |
| P-value | = 0.1776 |
| Method | Cochran-Mantel-Haenszel |
| Parameter estimate | Difference in Proportions (%) |
| Point estimate | 7.9 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | -3.6 |
| upper limit | 19.4 |

Secondary: Percentage of Participants with Achievement of BICLA response at Week 12

| | |
|-----------------|--|
| End point title | Percentage of Participants with Achievement of BICLA response at Week 12 |
|-----------------|--|

End point description:

Study participants were considered to be a BICLA responder if all of the following were fulfilled:

- BILAG 2004 improvement without worsening (A scores at Baseline improved to B, C or D; B scores improved to C or D; no new A scores and less than or equal to [\leq] 1 new B.); Here, score A ("Active"): Severely active disease; score B ("Beware"): Moderately active disease; score C ("Contentment"): Mild stable disease; score D ("Discount"): Inactive now but previously active and
- No worsening in the Systemic Lupus Erythematosus Disease Activity Index 2000 (SLEDAI-2K) total score compared to Baseline Visit (defined as no increase in SLEDAI-2K total score); and
- No worsening in the PGA compared to Baseline Visit defined as ≤ 10 mm increase on a 100 mm VAS.

The FAS consisted of all study participants randomized into the study except 6 participants excluded from FAS due to persistent GCP non-compliance at the site enrolling them.

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

End point timeframe:

Week 12

| | | | | |
|-----------------------------------|-----------------|-----------------|--|--|
| End point values | PBO+SOC | DZP+SOC | | |
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 107 | 208 | | |
| Units: percentage of participants | | | | |
| number (not applicable) | 29.0 | 39.9 | | |

Statistical analyses

| | |
|--|-------------------------------|
| Statistical analysis title | Statistical Analysis 1 |
| Statistical analysis description: | |
| The difference in proportion responding between SOC+DZP 24mg/kg and SOC+PBO was estimated and tested using the CMH risk difference estimate controlling for the randomization stratification factors, Pooled Region (North America vs Western Europe/Asia-Pacific vs Latin America/Eastern Europe), Screening disease activity (chronic active vs acute flaring) and Screening SLEDAI score (<10 vs >=10). | |
| Comparison groups | PBO+SOC v DZP+SOC |
| Number of subjects included in analysis | 315 |
| Analysis specification | Pre-specified |
| Analysis type | |
| P-value | = 0.0518 |
| Method | Cochran-Mantel-Haenszel |
| Parameter estimate | Difference in Proportions (%) |
| Point estimate | 10.8 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | -0.1 |
| upper limit | 21.7 |

Secondary: Percentage of Participants with Achievement of prevention of severe British Isles Lupus Assessment Group (BILAG) flares (severe BILAG flare-free) through Week 48

| | |
|--|---|
| End point title | Percentage of Participants with Achievement of prevention of severe British Isles Lupus Assessment Group (BILAG) flares (severe BILAG flare-free) through Week 48 |
| End point description: | |
| A severe BILAG flare was defined as a british isles lupus assessment group disease activity index 2004 (BILAG 2004) Grade A in any system due to individual items that were new or worse qualifying for the Grade A. Determination of items that were new or worse and were qualifying for the Grade A were according to the supplementary information for the numerical scoring of the BILAG-2004 index. Here, Grade A ("Active"): Severely active disease (sufficient to require systemic immunosuppressant or anticoagulant therapy. The FAS consisted of all study participants randomized into the study except 6 participants excluded from FAS due to persistent GCP non-compliance at the site enrolling them. | |
| End point type | Secondary |
| End point timeframe: | |
| During Treatment Period up to Week 48 | |

| | | | | |
|-----------------------------------|-----------------|-----------------|--|--|
| End point values | PBO+SOC | DZP+SOC | | |
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 107 | 208 | | |
| Units: percentage of participants | | | | |
| number (not applicable) | 76.6 | 88.4 | | |

Statistical analyses

| | |
|---|-------------------------------|
| Statistical analysis title | Statistical Analysis 1 |
| Statistical analysis description: | |
| The difference in proportion responding between SOC+DZP 24mg/kg and SOC+PBO was estimated and tested using the CMH risk difference estimate controlling for the randomization stratification factors, Pooled Region (North America vs Western Europe/Asia-Pacific vs Latin America/Eastern Europe), Screening disease activity (chronic active vs acute flaring) and Screening SLEDAI score (<10 vs ≥10). | |
| Comparison groups | PBO+SOC v DZP+SOC |
| Number of subjects included in analysis | 315 |
| Analysis specification | Pre-specified |
| Analysis type | |
| P-value | = 0.0257 |
| Method | Cochran-Mantel-Haenszel |
| Parameter estimate | Difference in Proportions (%) |
| Point estimate | 11.5 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | 1.4 |
| upper limit | 21.6 |

Secondary: Percentage of Participants with Achievement of Lupus Low Disease Activity State (LLDAS) in ≥50% of post-Baseline visits through Week 48

| | |
|-----------------|---|
| End point title | Percentage of Participants with Achievement of Lupus Low Disease Activity State (LLDAS) in ≥50% of post-Baseline visits through Week 48 |
|-----------------|---|

End point description:

The LLDAS includes domains that capture the absence of organ-threatening disease activity and harmful treatment burden. The LLDAS is defined as:

- SLEDAI-2K score was ≤4 with no activity in major organ systems.
- No new and/or worsening disease activity defined as no SLEDAI-2K component documented as present that was not documented present at the previous visit.
- PGA ≤ 33 mm.
- Prednisone equivalent systemic dose for systemic lupus erythematosus (SLE) indication ≤ 7.5 mg per day.
- Stable standard maintenance doses of immunosuppressive drugs as allowed by protocol, defined as no increase in dose in the past 12 weeks and no dose higher than allowed as per protocol.

The FAS consisted of all study participants randomized into the study except 6 participants excluded from FAS due to persistent GCP non-compliance at the site enrolling them.

| | |
|---------------------------------------|-----------|
| End point type | Secondary |
| End point timeframe: | |
| During Treatment Period up to Week 48 | |

| End point values | PBO+SOC | DZP+SOC | | |
|-----------------------------------|-----------------|-----------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 107 | 208 | | |
| Units: percentage of participants | | | | |
| number (not applicable) | 15.9 | 23.6 | | |

Statistical analyses

| | |
|--|-------------------------------|
| Statistical analysis title | Statistical Analysis 1 |
| Statistical analysis description: | |
| The difference in proportion responding between SOC+DZP 24mg/kg and SOC+PBO was estimated and tested using the Cochran-Mantel-Haenszel (CMH) risk difference estimate controlling for the randomization stratification factors, Pooled Region (North America vs Western Europe/Asia-Pacific vs Latin America/Eastern Europe), Screening disease activity (chronic active vs acute flaring) and Screening SLEDAI score (<10 vs >=10). | |
| Comparison groups | PBO+SOC v DZP+SOC |
| Number of subjects included in analysis | 315 |
| Analysis specification | Pre-specified |
| Analysis type | |
| P-value | = 0.1042 |
| Method | Cochran-Mantel-Haenszel |
| Parameter estimate | Difference in Proportions (%) |
| Point estimate | 7.2 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | -1.5 |
| upper limit | 16 |

Secondary: Percentage of Participants with Achievement of BILAG improvement without worsening at Week 48

| | |
|---|---|
| End point title | Percentage of Participants with Achievement of BILAG improvement without worsening at Week 48 |
| End point description: | |
| The BILAG improvement without worsening defined as A scores at Baseline improved to B, C or D; B scores improved to C or D; no new A scores and ≤1 new B Score. Here, score A ("Active"): Severely active disease (sufficient to require systemic immunosuppressant or anticoagulant therapy; score B ("Beware"): Moderately active disease (requires low dose or local immunosuppressant therapy or symptomatic therapy; score C ("Contentment"): Mild stable disease (no indication for changes in treatment); score D ("Discount"): Inactive now but previously active. The FAS consisted of all study participants randomized into the study except 6 participants excluded from FAS due to persistent GCP non-compliance at the site enrolling them. | |
| End point type | Secondary |
| End point timeframe: | |
| Week 48 | |

| End point values | PBO+SOC | DZP+SOC | | |
|-----------------------------------|-----------------|-----------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 107 | 208 | | |
| Units: percentage of participants | | | | |
| number (not applicable) | 34.6 | 49.5 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Change from Baseline in Systemic Lupus Erythematosus Disease Activity Index 2000 (SLEDAI-2K) at Week 48

| | |
|-----------------|---|
| End point title | Change from Baseline in Systemic Lupus Erythematosus Disease Activity Index 2000 (SLEDAI-2K) at Week 48 |
|-----------------|---|

End point description:

The SLEDAI-2K is a global index which includes 24 clinical and laboratory variables such as antibodies, renal, and hematological components measured 30 days before, and at the timepoint of assessment. The variables were weighted by the type of manifestation, but not by severity or dynamic of the individual item. The SLEDAI-2K includes scoring for antibodies (anti-dsDNA positive or negative) and low complement, as well as some renal and hematologic parameters. The total score falls between 0 and 105, with higher scores representing increased disease activity. Mixed effects models for repeated measurements (MMRM). The FAS consisted of all study participants randomized into the study except 6 participants excluded from FAS due to persistent GCP non-compliance at the site enrolling them.

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

End point timeframe:

From Baseline (Day 1) to Week 48

| End point values | PBO+SOC | DZP+SOC | | |
|-------------------------------------|--------------------|--------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 107 | 208 | | |
| Units: score on a scale | | | | |
| least squares mean (standard error) | -4.2 (\pm 0.39) | -6.1 (\pm 0.26) | | |

Statistical analyses

| | |
|----------------------------|------------------------|
| Statistical analysis title | Statistical Analysis 1 |
|----------------------------|------------------------|

Statistical analysis description:

The Least Squares (LS) Mean, the difference (DZP+SOC versus PBO+SOC), and the 95% CIs was computed from the MMRM.

| | |
|-------------------|-------------------|
| Comparison groups | PBO+SOC v DZP+SOC |
|-------------------|-------------------|

| | |
|---|--|
| Number of subjects included in analysis | 315 |
| Analysis specification | Pre-specified |
| Analysis type | |
| P-value | = 0.0001 |
| Method | MMRM |
| Parameter estimate | Difference of Change(DZP+SOC vs PBO+SOC) |
| Point estimate | -1.8 |
| Confidence interval | |
| level | 95 % |
| sides | 2-sided |
| lower limit | -2.7 |
| upper limit | -0.9 |

Secondary: Percentage of Participants with Achievement of prevention of moderate/severe BILAG flares (moderate/severe BILAG flare-free) through Week 48

| | |
|-----------------|--|
| End point title | Percentage of Participants with Achievement of prevention of moderate/severe BILAG flares (moderate/severe BILAG flare-free) through Week 48 |
|-----------------|--|

End point description:

Achievement of prevention of moderate/severe BILAG flares through Week 48 was defined as % of participants with no moderate or severe flare through Week 48. Severe BILAG flare: BILAG 2004 Grade A in any system due to individual items that were new or worse qualifying for Grade A. Determination of items that were new or worse and were qualifying for Grade A, according to supplementary information for numerical scoring of BILAG-2004 index. A moderate BILAG flare: 2 or more BILAG 2004 Grade B due to individual items that were new or worse and were qualifying for Grade B in any system. Determination of items that were new or worse qualifying for Grade B, according to supplementary information for numerical scoring of BILAG- 2004 index. Here, Grade A (Active): Severely active disease; Grade B (Beware):Moderately active disease. FAS consisted of all study participants randomized into study except 6 participants excluded from FAS due to persistent GCP non-compliance at site enrolling them.

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

End point timeframe:

During Treatment Period up to Week 48

| End point values | PBO+SOC | DZP+SOC | | |
|-----------------------------------|-----------------|-----------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 107 | 208 | | |
| Units: percentage of participants | | | | |
| number (not applicable) | 63.0 | 78.6 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Percentage of Participants with Achievement of Systemic Lupus Erythematosus Responder Index response - 4 (SRI-4) response at Week 48

| | |
|--|--|
| End point title | Percentage of Participants with Achievement of Systemic Lupus Erythematosus Responder Index response - 4 (SRI-4) response at Week 48 |
| End point description: The SRI-4 define responders as meeting all of the following criteria: | |
| <ul style="list-style-type: none"> Reduction in SLEDAI-2K score of ≥ 4. No shift from BILAG 2004 Grade B, C, D, or E to A post-Baseline. Here, Grade A ("Active"): Severely active disease; Grade B ("Beware"): Moderately active disease; Grade C ("Contentment"): Mild stable disease; Grade D ("Discount"): Inactive now but previously active; Grade E ("Excluded"): Never affected. No more than 1 shift from BILAG 2004 Grade C, D, or E to B post-Baseline. No worsening in the PGA compared to study entry defined as ≤ 10 mm increase on a 100 mm visual analog scale, equivalent to less than a 10 mm increase in the PGA compared to study entry score. <p>The FAS consisted of all study participants randomized into the study except 6 participants excluded from FAS due to persistent GCP non-compliance at the site enrolling them.</p> | |
| End point type | Secondary |
| End point timeframe: Week 48 | |

| End point values | PBO+SOC | DZP+SOC | | |
|-----------------------------------|-----------------|-----------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 107 | 208 | | |
| Units: percentage of participants | | | | |
| number (not applicable) | 41.1 | 60.1 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Time to severe BILAG Flare through Week 48

| | |
|---|--|
| End point title | Time to severe BILAG Flare through Week 48 |
| End point description: Time to severe BILAG flare (the event) through Week 48 was defined as the time from randomization until the start of the event. A severe BILAG flare was defined as a BILAG 2004 Grade A in any system due to individual items that were new or worse qualifying for the Grade A. Determination of items that were new or worse and were qualifying for the Grade A, according to the supplementary information for the numerical scoring of the BILAG-2004 index. Here, Grade A ("Active"): Severely active disease. The FAS consisted of all study participants randomized into the study except 6 participants excluded from FAS due to persistent GCP non-compliance at the site enrolling them. Here, 99999 indicates the time to flare estimate of the 25 percentile, median, 75 percentile time could not be calculated and presented due to the low number of events (less than 25%, 50%, 75% participants respectively had flare events in both arms). | |
| End point type | Secondary |
| End point timeframe: During Treatment Period up to Week 48 | |

| End point values | PBO+SOC | DZP+SOC | | |
|---------------------------------------|------------------------|------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 107 | 208 | | |
| Units: weeks | | | | |
| median (inter-quartile range (Q1-Q3)) | 99999 (99999 to 99999) | 99999 (99999 to 99999) | | |

Statistical analyses

| Statistical analysis title | Statistical Analysis 1 |
|---|------------------------|
| Comparison groups | PBO+SOC v DZP+SOC |
| Number of subjects included in analysis | 315 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.0111 |
| Method | Logrank |

Secondary: Change from Baseline in Physician's Global Assessment (PGA) at Week 48

| | |
|-----------------|--|
| End point title | Change from Baseline in Physician's Global Assessment (PGA) at Week 48 |
|-----------------|--|

End point description:

The PGA is a measure of systemic lupus erythematosus (SLE) signs and symptoms by the physician using a visual analog scale of 0 to 100mm, Where 0 indicate "very good", asymptomatic, and no limitation of normal activity and 100 indicate "severe disease". The FAS consisted of all study participants randomized into the study except 6 participants excluded from FAS due to persistent GCP non-compliance at the site enrolling them.

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

End point timeframe:

From Baseline (Day 1) to Week 48

| End point values | PBO+SOC | DZP+SOC | | |
|-------------------------------------|-----------------|-----------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 107 | 208 | | |
| Units: score on a scale | | | | |
| least squares mean (standard error) | -33.4 (± 1.99) | -39.6 (± 1.36) | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Percentage of participants with treatment-emergent adverse events (TEAEs) during the study

| | |
|---|--|
| End point title | Percentage of participants with treatment-emergent adverse events (TEAEs) during the study |
| End point description: An adverse event (AE) is any untoward medical occurrence in a patient or clinical study participant, temporally associated with the use of investigational medicinal product (IMP), whether or not considered related to the IMP. An AE could therefore be any unfavorable and unintended sign (including an abnormal laboratory finding), symptom, or disease (new or exacerbated) temporally associated with the use of IMP. Treatment-emergent AEs were those with onset date on or after the first administration of study drug, and up to 60 days after last dose. The SS consisted of all study participants who were randomized and had received at least 1 dose (any amount) of study medication. | |
| End point type | Secondary |
| End point timeframe: From Baseline (Day 1) until Safety Follow-Up (up to Week 54) | |

| End point values | PBO+SOC | DZP+SOC | | |
|-----------------------------------|-----------------|-----------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 108 | 213 | | |
| Units: percentage of participants | | | | |
| number (not applicable) | 75.0 | 82.6 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Percentage of participants with serious treatment-emergent adverse events during the study

| | |
|--|--|
| End point title | Percentage of participants with serious treatment-emergent adverse events during the study |
| End point description: A serious adverse event (SAE) is defined as any untoward medical occurrence that, at any dose: Results in death; Is life-threatening, Requires in patient hospitalization or prolongation of existing hospitalization; Results in persistent disability/incapacity; Is a congenital anomaly/birth defect; and Other important medical events which based on medical or scientific judgement may jeopardize the patients, or may require medical or surgical intervention to prevent any of the above. Treatment-emergent AEs were those with onset date on or after the first administration of study drug, and up to 60 days after last dose. The SS consisted of all study participants who were randomized and had received at least 1 dose (any amount) of study medication. | |
| End point type | Secondary |
| End point timeframe: From Baseline (Day 1) until Safety Follow-Up (up to Week 54) | |

| End point values | PBO+SOC | DZP+SOC | | |
|-----------------------------------|-----------------|-----------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 108 | 213 | | |
| Units: percentage of participants | | | | |
| number (not applicable) | 14.8 | 9.9 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Percentage of participants with treatment-emergent adverse events of special interest during the study

| | |
|-----------------|--|
| End point title | Percentage of participants with treatment-emergent adverse events of special interest during the study |
|-----------------|--|

End point description:

An adverse event of special interest (AESIs) is any AE that a regulatory authority has mandated be reported on an expedited basis, regardless of the seriousness, expectedness, or relatedness of the AE to the administration of a product/compound. The SS consisted of all study participants who were randomized and had received at least 1 dose (any amount) of study medication.

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

End point timeframe:

From Baseline (Day 1) until Safety Follow-Up (up to Week 54)

| End point values | PBO+SOC | DZP+SOC | | |
|-----------------------------------|-----------------|-----------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 108 | 213 | | |
| Units: percentage of participants | | | | |
| number (not applicable) | 0.9 | 0 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Time to moderate/severe BILAG flare through Week 48

| | |
|-----------------|---|
| End point title | Time to moderate/severe BILAG flare through Week 48 |
|-----------------|---|

End point description:

Time to moderate/severe BILAG flare (event): time from randomization until start of event. Moderate BILAG flare: as 2 or more BILAG 2004 Grade B due to individual items that were new or worse and were qualifying for Grade B in any system. Determination of items that were new or worse qualifying for Grade B, as per supplementary information for numerical score of BILAG-2004. Severe BILAG flare: as BILAG 2004 Grade A in any system due to individual items that were new/worse qualifying for Grade A. Determination of items that were new/worse and are qualifying for Grade A, as per supplementary information for numerical score of BILAG-2004. Here, Grade A (Active): Severely active disease; Grade B (Beware): Moderately active disease. FAS was used. 99999: indicates that time to flare estimate of 25 percentile, median, 75 percentile time could not be calculated and presented in case of low number of events (less than 25%, 50%, 75% participants respectively had flare events).

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

End point timeframe:

During Treatment Period up to Week 48

| End point values | PBO+SOC | DZP+SOC | | |
|---------------------------------------|-----------------------|------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 107 | 208 | | |
| Units: weeks | | | | |
| median (inter-quartile range (Q1-Q3)) | 99999 (36.1 to 99999) | 99999 (99999 to 99999) | | |

Statistical analyses

| Statistical analysis title | Statistical Analysis 1 |
|---|------------------------|
| Comparison groups | PBO+SOC v DZP+SOC |
| Number of subjects included in analysis | 315 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.0228 |
| Method | Logrank |

Secondary: Percentage of participants with treatment-emergent adverse events of special monitoring during the study

| | |
|---|--|
| End point title | Percentage of participants with treatment-emergent adverse events of special monitoring during the study |
| End point description: An AE of special monitoring is a product-specific AEs, adverse reactions, or safety topics considered as requiring special monitoring by UCB. The SS consisted of all study participants who were randomized and had received at least 1 dose (any amount) of study medication. | |
| End point type | Secondary |
| End point timeframe: From Baseline (Day 1) until Safety Follow-Up (up to Week 54) | |

| End point values | PBO+SOC | DZP+SOC | | |
|-----------------------------------|-----------------|-----------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 108 | 213 | | |
| Units: percentage of participants | | | | |
| number (not applicable) | 24.1 | 36.6 | | |

Statistical analyses

No statistical analyses for this end point

Adverse events

Adverse events information

Timeframe for reporting adverse events:

From Baseline (Day 1) until Safety Follow-Up (up to Week 54)

Adverse event reporting additional description:

Treatment-emergent AEs were those with onset date on or after the first administration of study drug, and up to 60 days after last dose. The SS consisted of all study participants who were randomized and had received at least 1 dose (any amount) of study medication.

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

Dictionary used

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

| | |
|--------------------|------|
| Dictionary version | 24.0 |
|--------------------|------|

Reporting groups

| | |
|-----------------------|---------|
| Reporting group title | PBO+SOC |
|-----------------------|---------|

Reporting group description:

Participants received placebo (PBO) as an intravenous (iv) infusion every 4 weeks (Q4W) in combination with Standard of Care (SOC) during 48 weeks Treatment Period.

| | |
|-----------------------|---------|
| Reporting group title | DZP+SOC |
|-----------------------|---------|

Reporting group description:

Participants received Dapirolizumab pegol (DZP) 24 milligrams/kilogram (mg/kg) as an iv infusion Q4W in combination with SOC during 48 weeks Treatment Period.

| Serious adverse events | PBO+SOC | DZP+SOC | |
|---|-------------------|------------------|--|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 16 / 108 (14.81%) | 21 / 213 (9.86%) | |
| number of deaths (all causes) | 0 | 1 | |
| number of deaths resulting from adverse events | 0 | 1 | |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) | | | |
| Metastases to central nervous system | | | |
| subjects affected / exposed | 1 / 108 (0.93%) | 0 / 213 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Lung adenocarcinoma | | | |
| subjects affected / exposed | 1 / 108 (0.93%) | 0 / 213 (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 | | | |
| Chest pain | | | |

| | | | |
|---|---|-----------------|--|
| subjects affected / exposed | 1 / 108 (0.93%) | 0 / 213 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Respiratory, thoracic and mediastinal disorders | | | |
| Pleural effusion | | | |
| subjects affected / exposed | 1 / 108 (0.93%) | 0 / 213 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Shrinking lung syndrome | | | |
| subjects affected / exposed | 0 / 108 (0.00%) | 1 / 213 (0.47%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Asthma | | | |
| subjects affected / exposed | 1 / 108 (0.93%) | 0 / 213 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Psychiatric disorders | | | |
| Suicidal ideation | Additional description: The AE of suicidal ideation occurred before administration of the first dose of study treatment. Only for technical reasons it was listed in the analysis as "treatment emergent" as the onset date was the day of first study treatment. | | |
| subjects affected / exposed | 0 / 108 (0.00%) | 1 / 213 (0.47%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Drug abuse | | | |
| subjects affected / exposed | 0 / 108 (0.00%) | 1 / 213 (0.47%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Anxiety | | | |
| subjects affected / exposed | 1 / 108 (0.93%) | 0 / 213 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Injury, poisoning and procedural complications | | | |
| Limb injury | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 1 / 108 (0.93%) | 0 / 213 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Infusion related reaction | | | |
| subjects affected / exposed | 0 / 108 (0.00%) | 2 / 213 (0.94%) | |
| occurrences causally related to treatment / all | 0 / 0 | 2 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Tendon rupture | | | |
| subjects affected / exposed | 1 / 108 (0.93%) | 0 / 213 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Tibia fracture | | | |
| subjects affected / exposed | 0 / 108 (0.00%) | 1 / 213 (0.47%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Humerus fracture | | | |
| subjects affected / exposed | 0 / 108 (0.00%) | 1 / 213 (0.47%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Cardiac disorders | | | |
| Acute myocardial infarction | | | |
| subjects affected / exposed | 0 / 108 (0.00%) | 1 / 213 (0.47%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Lupus myocarditis | | | |
| subjects affected / exposed | 0 / 108 (0.00%) | 1 / 213 (0.47%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Mitral valve incompetence | | | |
| subjects affected / exposed | 0 / 108 (0.00%) | 1 / 213 (0.47%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Ear and labyrinth disorders | | | |

| | | | |
|---|-----------------|-----------------|--|
| Vertigo | | | |
| subjects affected / exposed | 0 / 108 (0.00%) | 1 / 213 (0.47%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Gastrointestinal disorders | | | |
| Lupus enteritis | | | |
| subjects affected / exposed | 1 / 108 (0.93%) | 0 / 213 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Hepatobiliary disorders | | | |
| Cholelithiasis | | | |
| subjects affected / exposed | 0 / 108 (0.00%) | 1 / 213 (0.47%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Skin and subcutaneous tissue disorders | | | |
| Cutaneous vasculitis | | | |
| subjects affected / exposed | 0 / 108 (0.00%) | 1 / 213 (0.47%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Renal and urinary disorders | | | |
| Nephrolithiasis | | | |
| subjects affected / exposed | 1 / 108 (0.93%) | 0 / 213 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Musculoskeletal and connective tissue disorders | | | |
| Musculoskeletal chest pain | | | |
| subjects affected / exposed | 1 / 108 (0.93%) | 0 / 213 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Systemic lupus erythematosus | | | |
| subjects affected / exposed | 1 / 108 (0.93%) | 3 / 213 (1.41%) | |
| occurrences causally related to treatment / all | 0 / 1 | 1 / 4 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Infections and infestations | | | |
| Diverticulitis | | | |

| | | | |
|---|-----------------|-----------------|--|
| subjects affected / exposed | 1 / 108 (0.93%) | 0 / 213 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Appendicitis | | | |
| subjects affected / exposed | 1 / 108 (0.93%) | 0 / 213 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Bacteraemia | | | |
| subjects affected / exposed | 0 / 108 (0.00%) | 1 / 213 (0.47%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pneumonia respiratory syncytial viral | | | |
| subjects affected / exposed | 0 / 108 (0.00%) | 1 / 213 (0.47%) | |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Pneumonia | | | |
| subjects affected / exposed | 1 / 108 (0.93%) | 0 / 213 (0.00%) | |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Bronchitis | | | |
| subjects affected / exposed | 1 / 108 (0.93%) | 0 / 213 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Herpes zoster | | | |
| subjects affected / exposed | 1 / 108 (0.93%) | 0 / 213 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Bacterial colitis | | | |
| subjects affected / exposed | 1 / 108 (0.93%) | 0 / 213 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Gangrene | | | |

| | | | |
|---|--|-----------------|--|
| subjects affected / exposed | 0 / 108 (0.00%) | 1 / 213 (0.47%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 1 | |
| Cellulitis | | | |
| subjects affected / exposed | 0 / 108 (0.00%) | 1 / 213 (0.47%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Diverticulitis intestinal perforated | | | |
| subjects affected / exposed | 1 / 108 (0.93%) | 0 / 213 (0.00%) | |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Joint tuberculosis | | | |
| subjects affected / exposed | 0 / 108 (0.00%) | 1 / 213 (0.47%) | |
| 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 | 0 / 108 (0.00%) | 1 / 213 (0.47%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |
| Ophthalmic herpes zoster | Additional description: The two events were reported as "herpes zoster over left eyelid and forehead, V1" and "left herpes zoster ophthalmicus (dermatome V1/V2)". | | |
| subjects affected / exposed | 0 / 108 (0.00%) | 2 / 213 (0.94%) | |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 2 | |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | |

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

| Non-serious adverse events | PBO+SOC | DZP+SOC | |
|---|-------------------|--------------------|--|
| Total subjects affected by non-serious adverse events | | | |
| subjects affected / exposed | 47 / 108 (43.52%) | 109 / 213 (51.17%) | |
| Nervous system disorders | | | |
| Headache | | | |
| subjects affected / exposed | 7 / 108 (6.48%) | 15 / 213 (7.04%) | |
| occurrences (all) | 8 | 24 | |
| Gastrointestinal disorders | | | |

| | | | |
|-----------------------------------|-------------------|-------------------|--|
| Diarrhoea | | | |
| subjects affected / exposed | 10 / 108 (9.26%) | 15 / 213 (7.04%) | |
| occurrences (all) | 12 | 15 | |
| Nausea | | | |
| subjects affected / exposed | 6 / 108 (5.56%) | 9 / 213 (4.23%) | |
| occurrences (all) | 9 | 9 | |
| Infections and infestations | | | |
| COVID-19 | | | |
| subjects affected / exposed | 17 / 108 (15.74%) | 44 / 213 (20.66%) | |
| occurrences (all) | 18 | 44 | |
| Herpes zoster | | | |
| subjects affected / exposed | 6 / 108 (5.56%) | 4 / 213 (1.88%) | |
| occurrences (all) | 7 | 4 | |
| Bronchitis | | | |
| subjects affected / exposed | 5 / 108 (4.63%) | 11 / 213 (5.16%) | |
| occurrences (all) | 6 | 13 | |
| Upper respiratory tract infection | | | |
| subjects affected / exposed | 8 / 108 (7.41%) | 20 / 213 (9.39%) | |
| occurrences (all) | 9 | 23 | |
| Nasopharyngitis | | | |
| subjects affected / exposed | 13 / 108 (12.04%) | 18 / 213 (8.45%) | |
| occurrences (all) | 19 | 23 | |
| Urinary tract infection | | | |
| subjects affected / exposed | 9 / 108 (8.33%) | 28 / 213 (13.15%) | |
| occurrences (all) | 10 | 36 | |
| Oral herpes | | | |
| subjects affected / exposed | 6 / 108 (5.56%) | 4 / 213 (1.88%) | |
| occurrences (all) | 8 | 4 | |

More information

Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date | Amendment |
|-----------------|---|
| 14 October 2020 | Protocol Amendment 1 was dated 14 Oct 2020: • Updated the planned analysis. • Added exploratory biomarker analysis on the immune response to infectious antigens (eg, severe acute respiratory syndrome coronavirus 2 [SARS-CoV-2]). • Clarified the handling of protocol-defined criteria and actions related to the SARS-CoV-2 pandemic. • Clarified unclear or misinterpretable text and inconsistencies between different sections. |
| 14 January 2022 | Protocol Amendment 3 was dated 14 Jan 2022: • Provided recommendations for contraception during mycophenolate treatment. • Added additional guidance on COVID-19 vaccinations in immunosuppressed participants. |
| 16 March 2023 | Protocol Amendment 4 was dated 16 Mar 2023: • Reduced the sample size and consequently removed the interim analysis. |

Notes:

Interruptions (globally)

Were there any global interruptions to the trial? No

Limitations and caveats

None reported