



Clinical trial results:

A Phase III, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Multicenter, Efficacy and Safety Study of Gantenerumab in Patients With Mild Alzheimer's Disease; Part II: Open-Label Extension For Participating Patients

Summary

| | |
|--------------------------|----------------------------------------|
| EudraCT number | 2013-003390-95 |
| Trial protocol | GB DE SE ES PT IT NL BE HU FI BG DK FR |
| Global end of trial date | 16 April 2021 |

Results information

| | |
|--------------------------------|---------------|
| Result version number | v1 |
| This version publication date | 25 April 2022 |
| First version publication date | 25 April 2022 |

Trial information

Trial identification

| | |
|-----------------------|---------|
| Sponsor protocol code | WN28745 |
|-----------------------|---------|

Additional study identifiers

| | |
|------------------------------------|-------------|
| ISRCTN number | - |
| ClinicalTrials.gov id (NCT number) | NCT02051608 |
| WHO universal trial number (UTN) | - |

Notes:

Sponsors

| | |
|------------------------------|-----------------------------------------------------------------------------------------------------|
| Sponsor organisation name | F. Hoffmann-La Roche AG |
| Sponsor organisation address | Grenzacherstrasse 124, Basel, Switzerland, CH4070 |
| Public contact | F. Hoffmann-La Roche AG, F. Hoffmann-La Roche AG, +41 616878333, global.trial_information@roche.com |
| Scientific contact | F. Hoffmann-La Roche AG, F. Hoffmann-La Roche AG, +41 616878333, global.trial_information@roche.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 | 16 April 2021 |
| Is this the analysis of the primary completion data? | No |

| | |
|----------------------------------|---------------|
| Global end of trial reached? | Yes |
| Global end of trial date | 16 April 2021 |
| Was the trial ended prematurely? | No |

Notes:

General information about the trial

Main objective of the trial:

To evaluate the effect of subcutaneous Gantenerumab on cognition and function in mild Alzheimer's disease.

Protection of trial subjects:

All study subjects were required to sign an Informed Consent Form.

Background therapy: -

Evidence for comparator: -

| | |
|-----------------------------------------------------------|---------------|
| Actual start date of recruitment | 27 March 2014 |
| Long term follow-up planned | Yes |
| Long term follow-up rationale | Safety |
| Long term follow-up duration | 1 Years |
| Independent data monitoring committee (IDMC) involvement? | Yes |

Notes:

Population of trial subjects

Subjects enrolled per country

| | |
|--------------------------------------|------------------------|
| Country: Number of subjects enrolled | Australia: 9 |
| Country: Number of subjects enrolled | Argentina: 7 |
| Country: Number of subjects enrolled | Belgium: 4 |
| Country: Number of subjects enrolled | Canada: 34 |
| Country: Number of subjects enrolled | Switzerland: 4 |
| Country: Number of subjects enrolled | Germany: 16 |
| Country: Number of subjects enrolled | Denmark: 14 |
| Country: Number of subjects enrolled | Spain: 31 |
| Country: Number of subjects enrolled | Finland: 4 |
| Country: Number of subjects enrolled | France: 15 |
| Country: Number of subjects enrolled | United Kingdom: 18 |
| Country: Number of subjects enrolled | Hungary: 5 |
| Country: Number of subjects enrolled | Italy: 19 |
| Country: Number of subjects enrolled | Japan: 21 |
| Country: Number of subjects enrolled | Korea, Republic of: 22 |
| Country: Number of subjects enrolled | Netherlands: 8 |
| Country: Number of subjects enrolled | Portugal: 6 |
| Country: Number of subjects enrolled | Russian Federation: 28 |
| Country: Number of subjects enrolled | Sweden: 14 |
| Country: Number of subjects enrolled | Turkey: 13 |

| | |
|--------------------------------------|-------------------|
| Country: Number of subjects enrolled | United States: 95 |
| Worldwide total number of subjects | 387 |
| EEA total number of subjects | 136 |

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) | 105 |
| From 65 to 84 years | 273 |
| 85 years and over | 9 |

Subject disposition

Recruitment

Recruitment details:

Part 1 of the study was conducted at 116 centers in 21 countries and part 2 was conducted at 75 centers in 17 countries.

Pre-assignment

Screening details:

A total of 389 participants were enrolled in this study and 387 were treated: 192 received gantenerumab and 195 received placebo during part 1 of study. Of these, 230 participants enrolled into Part 2 of the study: 225 received at least one dose of the study drug. Participants who had discontinued from Part 1 were not allowed to enroll in Part 2.

Period 1

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

Arms

| | |
|------------------------------|-----------------|
| Are arms mutually exclusive? | Yes |
| Arm title | Part 1: Placebo |

Arm description:

Participants received matching placebo by SC injection Q4W up to 100 weeks during Part 1 of the study.

| | |
|----------------------------------------|------------------------|
| Arm type | Placebo |
| Investigational medicinal product name | Placebo |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Solution for injection |
| Routes of administration | Subcutaneous use |

Dosage and administration details:

Participants received gantenerumab matching placebo SC injection Q4W.

| | |
|------------------|----------------------|
| Arm title | Part 1: Gantenerumab |
|------------------|----------------------|

Arm description:

Participants received 105 mg Gantenerumab by SC injection Q4W for 24 weeks and if eligible 225 mg SC injection Q4W from weeks 28-100 during Part 1 of the study.

| | |
|----------------------------------------|------------------------|
| Arm type | Experimental |
| Investigational medicinal product name | Gantenerumab |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Solution for injection |
| Routes of administration | Subcutaneous use |

Dosage and administration details:

Participants received gantenerumab SC injection Q4W.

| Number of subjects in period 1 | Part 1: Placebo | Part 1: Gantenerumab |
|--------------------------------|-----------------|----------------------|
| Started | 195 | 192 |
| Completed | 134 | 136 |
| Not completed | 61 | 56 |
| Physician decision | 2 | 4 |
| Non-Compliance | 2 | 4 |
| Part 1 Terminated by Sponsor | 3 | 2 |
| Death | 3 | 3 |
| Not specified | 6 | 3 |
| Adverse event | 2 | 8 |
| Lost to follow-up | 1 | 2 |
| Withdrawal by subject | 42 | 29 |
| Protocol deviation | - | 1 |

Period 2

| | |
|------------------------------|------------------------------|
| Period 2 title | Part 2: Open-label Extension |
| Is this the baseline period? | No |
| Allocation method | Randomised - controlled |
| Blinding used | Not blinded |

Arms

| | |
|------------------------------|-------------------------------------------------------------|
| Are arms mutually exclusive? | Yes |
| Arm title | Part 2 (OLE treatment): Placebo switched to Gant to 1200 mg |

Arm description:

Participants who had received Placebo in Part 1, received Gantenerumab at doses up to 1200 mg by SC injection Q4W for up to 2 years. Additionally, participants were given the option to continue receiving open-label gantenerumab treatment for 3 years.

| | |
|----------------------------------------|------------------------|
| Arm type | Experimental |
| Investigational medicinal product name | Gantenerumab |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Solution for injection |
| Routes of administration | Subcutaneous use |

Dosage and administration details:

Participants received gantenerumab SC injection Q4W

| | |
|------------------|----------------------------------------------------|
| Arm title | Part 2 (OLE treatment): Gantenerumab up to 1200 mg |
|------------------|----------------------------------------------------|

Arm description:

Participants who had received Gantenerumab in Part 1, received treatment at doses up to 1200 mg by SC injection Q4W for up to 2 years. Additionally, participants were given the option to continue receiving open-label gantenerumab treatment for 3 years.

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

| | |
|----------------------------------------|------------------------|
| Investigational medicinal product name | Gantenerumab |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Solution for injection |
| Routes of administration | Subcutaneous use |

Dosage and administration details:

Participants received gantenerumab SC injection Q4W

| Number of subjects in period 2^[1] | Part 2 (OLE treatment): Placebo switched to Gant to 1200 mg | Part 2 (OLE treatment): Gantenerumab up to 1200 mg |
|-----------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------|
| Started | 119 | 111 |
| Completed | 49 | 50 |
| Not completed | 70 | 61 |
| Physician decision | 8 | 5 |
| Non-Compliance | 1 | 1 |
| Study Terminated By Sponsor | - | 1 |
| Death | 7 | 4 |
| Not specified | 9 | 9 |
| Adverse event | 6 | 8 |
| Withdrawal by subjects | 39 | 32 |
| Lost to follow-up | - | 1 |

Notes:

[1] - The number of subjects starting the period is not consistent with the number completing the preceding period. It is expected the number of subjects starting the subsequent period will be the same as the number completing the preceding period.

Justification: Participants in Open-label extension were those who received treatment in part 1 and rolled over to this extension part.

Baseline characteristics

Reporting groups

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Reporting group title | Part 1: Placebo |
| Reporting group description: | |
| Participants received matching placebo by SC injection Q4W up to 100 weeks during Part 1 of the study. | |
| Reporting group title | Part 1: Gantenerumab |
| Reporting group description: | |
| Participants received 105 mg Gantenerumab by SC injection Q4W for 24 weeks and if eligible 225 mg SC injection Q4W from weeks 28-100 during Part 1 of the study. | |

| Reporting group values | Part 1: Placebo | Part 1: Gantenerumab | Total |
|------------------------|-----------------|----------------------|-------|
| Number of subjects | 195 | 192 | 387 |
| Age categorical | | | |
| Units: Participants | | | |

| | | | |
|-------------------------------------------|-------|-------|-----|
| Age Continuous | | | |
| Units: years | | | |
| arithmetic mean | 70.1 | 69.7 | |
| standard deviation | ± 8.6 | ± 8.9 | - |
| Sex: Female, Male | | | |
| Units: Participants | | | |
| Female | 113 | 98 | 211 |
| Male | 82 | 94 | 176 |
| Ethnicity | | | |
| Units: Subjects | | | |
| Hispanic or Latino | 11 | 12 | 23 |
| Not Hispanic or Latino | 178 | 176 | 354 |
| Unknown or Not Reported | 6 | 4 | 10 |
| Race | | | |
| Units: Subjects | | | |
| Asian | 23 | 21 | 44 |
| Black or African American | 2 | 2 | 4 |
| Native Hawaiian or other Pacific Islander | 0 | 1 | 1 |
| White | 164 | 166 | 330 |
| More than one race | 1 | 0 | 1 |
| Unknown or Not Reported | 5 | 2 | 7 |
| American Indian or Alaska Native | 0 | 0 | 0 |

Subject analysis sets

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| Subject analysis set title | Part 2 (OLE): Placebo switched to Gantenerumab up to 1200 mg |
| Subject analysis set type | Safety analysis |
| Subject analysis set description: | |
| Participants who had received Placebo in Part 1, received Gantenerumab at doses up to 1200 mg by SC injection Q4W for up to 2 years. Additionally, participants were given the option to continue receiving open-label gantenerumab treatment for 3 years. | |
| Subject analysis set title | Part 2 (OLE): Gantenerumab up to 1200 mg |

| | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------|------------------------------------------|
| Subject analysis set type | Safety analysis | | |
| Subject analysis set description: | | | |
| Participants who had received Gantenerumab in Part 1, received treatment at doses up to 1200 mg by SC injection Q4W for up to 2 years. Additionally, participants were given the option to continue receiving open-label gantenerumab treatment for 3 years. | | | |
| Subject analysis set title | Part 2 (OLE): Gantenerumab 1200 mg | | |
| Subject analysis set type | Sub-group analysis | | |
| Subject analysis set description: | | | |
| Participants who had received placebo or gantenerumab in Part 1, received gantenerumab at doses up to 1200 mg by SC injection Q4W for up to 2 years. Additionally, participants were given the option to continue receiving open-label gantenerumab treatment for 3 years. | | | |
| Reporting group values | Part 2 (OLE): Placebo switched to Gantenerumab up to 1200 mg | Part 2 (OLE): Gantenerumab up to 1200 mg | Part 2 (OLE): Gantenerumab 1200 mg |
| | 117 | 108 | 223 |
| | | | |
| Age categorical Units: Participants | | | |

| | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|---|
| Age Continuous Units: years arithmetic mean standard deviation | 71.82 ± 8.09 | 71.01 ± 9.31 | ± |
| Sex: Female, Male Units: Participants | | | |
| Female Male | 69 48 | 61 47 | |
| Ethnicity Units: Subjects | | | |
| Hispanic or Latino Not Hispanic or Latino Unknown or Not Reported | 9 108 0 | 10 96 2 | |
| Race Units: Subjects | | | |
| Asian Black or African American Native Hawaiian or other Pacific Islander White More than one race Unknown or Not Reported American Indian or Alaska Native | 19 2 0 94 0 2 0 | 19 2 1 85 0 1 0 | |

End points

End points reporting groups

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| Reporting group title | Part 1: Placebo |
| Reporting group description: Participants received matching placebo by SC injection Q4W up to 100 weeks during Part 1 of the study. | |
| Reporting group title | Part 1: Gantenerumab |
| Reporting group description: Participants received 105 mg Gantenerumab by SC injection Q4W for 24 weeks and if eligible 225 mg SC injection Q4W from weeks 28-100 during Part 1 of the study. | |
| Reporting group title | Part 2 (OLE treatment): Placebo switched to Gant to 1200 mg |
| Reporting group description: Participants who had received Placebo in Part 1, received Gantenerumab at doses up to 1200 mg by SC injection Q4W for up to 2 years. Additionally, participants were given the option to continue receiving open-label gantenerumab treatment for 3 years. | |
| Reporting group title | Part 2 (OLE treatment): Gantenerumab up to 1200 mg |
| Reporting group description: Participants who had received Gantenerumab in Part 1, received treatment at doses up to 1200 mg by SC injection Q4W for up to 2 years. Additionally, participants were given the option to continue receiving open-label gantenerumab treatment for 3 years. | |
| Subject analysis set title | Part 2 (OLE): Placebo switched to Gantenerumab up to 1200 mg |
| Subject analysis set type | Safety analysis |
| Subject analysis set description: Participants who had received Placebo in Part 1, received Gantenerumab at doses up to 1200 mg by SC injection Q4W for up to 2 years. Additionally, participants were given the option to continue receiving open-label gantenerumab treatment for 3 years. | |
| Subject analysis set title | Part 2 (OLE): Gantenerumab up to 1200 mg |
| Subject analysis set type | Safety analysis |
| Subject analysis set description: Participants who had received Gantenerumab in Part 1, received treatment at doses up to 1200 mg by SC injection Q4W for up to 2 years. Additionally, participants were given the option to continue receiving open-label gantenerumab treatment for 3 years. | |
| Subject analysis set title | Part 2 (OLE): Gantenerumab 1200 mg |
| Subject analysis set type | Sub-group analysis |
| Subject analysis set description: Participants who had received placebo or gantenerumab in Part 1, received gantenerumab at doses up to 1200 mg by SC injection Q4W for up to 2 years. Additionally, participants were given the option to continue receiving open-label gantenerumab treatment for 3 years. | |

Primary: Part 2: Percentage of Participants with Adverse Events (AEs) or Serious Adverse Events (SAEs)

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| End point title | Part 2: Percentage of Participants with Adverse Events (AEs) or Serious Adverse Events (SAEs) ^[1] |
| End point description: An AE is any untoward medical occurrence in a participant administered a pharmaceutical product and which does not necessarily have to have a causal relationship with the treatment. An adverse event can therefore be any unfavorable and unintended sign (including an abnormal laboratory finding, for example), symptom, or disease temporally associated with the use of a pharmaceutical product, whether or not considered related to the pharmaceutical product. SAE is any adverse event that is fatal or which requires or prolongs inpatient hospitalization or results in persistent or significant disability/incapacity or causes congenital anomaly/birth defect or results in a significant medical event in the investigator's judgment. | |
| End point type | Primary |
| End point timeframe: First dose up to 4 weeks after the last dose of study drug (up to 249 weeks) | |

Notes:

[1] - No statistical analyses have been specified for this primary end point. It is expected there is at least one statistical analysis for each primary end point.

Justification: No statistical analyses were performed.

| End point values | Part 2 (OLE treatment): Placebo switched to Gant to 1200 mg | Part 2 (OLE treatment): Gantenerumab up to 1200 mg | | |
|-----------------------------------|----------------------------------------------------------------------|----------------------------------------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 117 | 108 | | |
| Units: Percentage of Participants | | | | |
| number (not applicable) | | | | |
| AEs | 91.5 | 95.4 | | |
| SAEs | 24.8 | 38.0 | | |

Statistical analyses

No statistical analyses for this end point

Primary: Part 2: Percentage of Participants with Treatment Emergent Anti-Drug Antibodies (ADAs)

| | |
|-----------------|-------------------------------------------------------------------------------------------------------|
| End point title | Part 2: Percentage of Participants with Treatment Emergent Anti-Drug Antibodies (ADAs) ^[2] |
|-----------------|-------------------------------------------------------------------------------------------------------|

End point description:

Participants were considered positive or negative for ADA based on their baseline and post-baseline sample results. The number and percentage of participants with confirmed positive ADA levels were determined for participants previously (in part 1) on Gantenerumab and Placebo. The prevalence of ADA at baseline was calculated as the percentage of participants with confirmed positive ADA levels at baseline relative to the total number of participants with a sample available at baseline. The incidence of treatment-emergent ADAs was determined as the percentage of participants with confirmed post-baseline positive ADAs relative to the total number of participants that had at least one post-baseline sample available for ADA analysis.

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

End point timeframe:

First dose up to last dose (Baseline up to until maximum 5 years)

Notes:

[2] - No statistical analyses have been specified for this primary end point. It is expected there is at least one statistical analysis for each primary end point.

Justification: No statistical analyses were performed.

| End point values | Part 2 (OLE treatment): Placebo switched to Gant to 1200 mg | Part 2 (OLE treatment): Gantenerumab up to 1200 mg | | |
|-----------------------------------|----------------------------------------------------------------------|----------------------------------------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 115 ^[3] | 106 ^[4] | | |
| Units: Percentage of Participants | | | | |
| number (not applicable) | 2.6 | 2.8 | | |

Notes:

[3] - The number of participants analysed indicates the number of participants evaluated for the endpoint.

[4] - The number of participants analysed indicates the number of participants evaluated for the endpoint.

Statistical analyses

No statistical analyses for this end point

Primary: Part 2: Percentage of Participants With Adverse Events Leading to Discontinuation of Treatment

| | |
|-----------------|---------------------------------------------------------------------------------------------------------------|
| End point title | Part 2: Percentage of Participants With Adverse Events Leading to Discontinuation of Treatment ^[5] |
|-----------------|---------------------------------------------------------------------------------------------------------------|

End point description:

Percentage of participants with adverse events leading to discontinuation from treatment were reported. The safety population consisted of all participants who had received at least one dose of study drug, regardless of whether the participants withdrew prematurely or not.

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

End point timeframe:

First dose up to 4 weeks after the last dose in OLE (Up to approximately 249 weeks)

Notes:

[5] - No statistical analyses have been specified for this primary end point. It is expected there is at least one statistical analysis for each primary end point.

Justification: No statistical analyses were performed.

| End point values | Part 2 (OLE treatment): Placebo switched to Gant to 1200 mg | Part 2 (OLE treatment): Gantenerumab up to 1200 mg | | |
|-----------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 117 | 108 | | |
| Units: Percentage of Participants | | | | |
| number (not applicable) | 12.0 | 15.7 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Part 1: Percentage of Participants With AEs, SAEs

| | |
|-----------------|---------------------------------------------------|
| End point title | Part 1: Percentage of Participants With AEs, SAEs |
|-----------------|---------------------------------------------------|

End point description:

An AE is any untoward medical occurrence in a participant administered a pharmaceutical product and which does not necessarily have to have a causal relationship with the treatment. An adverse event can therefore be any unfavorable and unintended sign (including an abnormal laboratory finding, for example), symptom, or disease temporally associated with the use of a pharmaceutical product, whether or not considered related to the pharmaceutical product. SAE is any adverse event that is fatal or which requires or prolongs inpatient hospitalization or results in persistent or significant disability/incapacity or causes congenital anomaly/birth defect or results in a significant medical event in the investigator's judgment.

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

End point timeframe:

First dose up to last dose (Up to approximately 152 weeks)

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|-----------------------------------|-----------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 195 | 192 | | |
| Units: Percentage of Participants | | | | |
| number (not applicable) | | | | |
| AEs | 80.5 | 82.8 | | |
| SAEs | 12.3 | 12.0 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Part 1: Percentage of Participants with Treatment-emergent ADAs

| | |
|-----------------|-----------------------------------------------------------------|
| End point title | Part 1: Percentage of Participants with Treatment-emergent ADAs |
|-----------------|-----------------------------------------------------------------|

End point description:

Participants were considered positive or negative for ADA based on their baseline and post-baseline sample results. The number and percentage of participants with confirmed positive ADA levels were determined for Gantenerumab and Placebo groups. The prevalence of ADA at baseline was calculated as the percentage of participants with confirmed positive ADA levels at baseline relative to the total number of participants with a sample available at baseline. The incidence of treatment-emergent ADAs was determined as the percentage of participants with confirmed post-baseline positive ADAs relative to the total number of participants that had at least one post-baseline sample available for ADA analysis.

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

End point timeframe:

First dose up to last dose (Up to approximately 152 weeks)

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|-----------------------------------|--------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 194 ^[6] | 191 ^[7] | | |
| Units: Percentage of Participants | | | | |
| number (not applicable) | 3.6 | 11.5 | | |

Notes:

[6] - The number of participants analysed indicates the number of participants evaluated for the endpoint.

[7] - The number of participants analysed indicates the number of participants evaluated for the endpoint.

Statistical analyses

No statistical analyses for this end point

Secondary: Part 1: Gantenerumab Plasma Concentration at Multiple Timepoints

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| End point title | Part 1: Gantenerumab Plasma Concentration at Multiple Timepoints ^[8] |
| End point description: The pharmacokinetic (PK) evaluable population consisted of all participants that were treated with gantenerumab and provided at least 1 post-baseline PK sample. "n" = number analysed is the number of participants with data available for analyses at the given time-point. | |
| End point type | Secondary |
| End point timeframe: Pre-dose: Weeks 4, 8, 12, 24, 48, 72 and Post dose: Day 4 | |

Notes:

[8] - The end point is not reporting statistics for all the arms in the baseline period. It is expected all the baseline period arms will be reported on when providing values for an end point on the baseline period.
Justification: The data was reported for part 1 reporting arms only.

| End point values | Part 1: Gantenerumab | | | |
|--------------------------------------|-------------------------|--|--|--|
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 192 | | | |
| Units: µg/mL | | | | |
| arithmetic mean (standard deviation) | | | | |
| Day 4 (n=183) | 4.11 (± 2.59) | | | |
| Week 4 (n=190) | 2.06 (± 0.89) | | | |
| Week 8 (n=188) | 3.11 (± 1.41) | | | |
| Week 12 (n=184) | 3.35 (± 1.63) | | | |
| Week 24 (n=177) | 3.71 (± 2.13) | | | |
| Week 48 (n=137) | 7.61 (± 3.88) | | | |
| Week 72 (n=79) | 7.66 (± 4.44) | | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Part 1: Percentage of Participants with Adverse Events Leading to Discontinuation of Treatment

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| End point title | Part 1: Percentage of Participants with Adverse Events Leading to Discontinuation of Treatment |
| End point description: Percentage of participants with adverse events leading to discontinuation from treatment were reported. The safety population consisted of all participants who received at least one dose of study drug, regardless of whether the participants withdrew prematurely or not. | |
| End point type | Secondary |
| End point timeframe: First dose up to last dose (Up to approximately 152 weeks) | |

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|-----------------------------------|-----------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 195 | 192 | | |
| Units: Percentage of Participants | | | | |
| number (not applicable) | 2.6 | 6.8 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Part 2: Percent Change From Baseline in Hippocampal Volume at Week 104

| | |
|-----------------|------------------------------------------------------------------------|
| End point title | Part 2: Percent Change From Baseline in Hippocampal Volume at Week 104 |
|-----------------|------------------------------------------------------------------------|

End point description:

Change from baseline in hippocampal right volume (HRV) and hippocampal left volume (HLV) were analysed at Week 104 using magnetic resonance imaging. The safety population consisted of all participants who received at least one dose of gantenerumab during the OLE and also had at least one post baseline MRI. Number analyzed is the number of participants with data available for analyses at the given time-point.

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

End point timeframe:

Baseline (Part 1 screening), Week 104

| End point values | Part 2 (OLE treatment): Placebo switched to Gant to 1200 mg | Part 2 (OLE treatment): Gantenerumab up to 1200 mg | | |
|----------------------------------------------|-------------------------------------------------------------|----------------------------------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 114 ^[9] | 105 ^[10] | | |
| Units: Percent Change | | | | |
| arithmetic mean (standard deviation) | | | | |
| HLV- Percent Change at Week 104 (n=50, n=43) | -11.24 (± 4.04) | -12.10 (± 4.45) | | |
| HRV- Percent Change at Week 104 (n=52, n=44) | -12.49 (± 4.03) | -11.34 (± 4.41) | | |

Notes:

[9] - The number of participants analysed indicates the number of participants evaluated for the endpoint.

[10] - The number of participants analysed indicates the number of participants evaluated for the endpoint.

Statistical analyses

No statistical analyses for this end point

Secondary: Part 2: Percent Change From Baseline in Whole Brain Volume at Week 104

| | |
|-----------------|------------------------------------------------------------|
| End point title | Part 2: Percent Change From Baseline in Whole Brain Volume |
|-----------------|------------------------------------------------------------|

End point description:

Change from baseline brain volume were analysed at Week 104 using magnetic resonance imaging. The safety population consisted of all participants who received at least one dose of gantenerumab during the OLE and also had at least one post baseline MRI.

End point type

Secondary

End point timeframe:

Baseline (Part 1 screening), Week 104

| End point values | Part 2 (OLE treatment): Placebo switched to Gant to 1200 mg | Part 2 (OLE treatment): Gantenerumab up to 1200 mg | | |
|--------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 54 ^[11] | 44 ^[12] | | |
| Units: Percent Change | | | | |
| arithmetic mean (standard deviation) | -4.89 (± 1.90) | -4.91 (± 1.58) | | |

Notes:

[11] - The number of participants analysed indicates the number of participants evaluated for the endpoint.

[12] - The number of participants analysed indicates the number of participants evaluated for the endpoint.

Statistical analyses

No statistical analyses for this end point

Secondary: Part 2: Percent Change From Baseline in Cortical Thickness at Week 104

End point title

Part 2: Percent Change From Baseline in Cortical Thickness at Week 104

End point description:

Change from baseline in cortical thickness were analysed at Week 104 using magnetic resonance imaging. The safety population consisted of all participants who received at least one dose of gantenerumab during the OLE and also had at least one post baseline MRI.

End point type

Secondary

End point timeframe:

Baseline (Part 1 screening), Week 104

| End point values | Part 2 (OLE treatment): Placebo switched to Gant to 1200 mg | Part 2 (OLE treatment): Gantenerumab up to 1200 mg | | |
|--------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 54 ^[13] | 44 ^[14] | | |
| Units: Percent Change | | | | |
| arithmetic mean (standard deviation) | -5.84 (± 2.33) | -5.58 (± 1.87) | | |

Notes:

[13] - The number of participants analysed indicates the number of participants evaluated for the endpoint.

[14] - The number of participants analysed indicates the number of participants evaluated for the endpoint.

Statistical analyses

No statistical analyses for this end point

Secondary: Part 2: Ventricular Volume as Measured by MRI at Week 104

| | |
|-----------------|-----------------------------------------------------------|
| End point title | Part 2: Ventricular Volume as Measured by MRI at Week 104 |
|-----------------|-----------------------------------------------------------|

End point description:

Ventricular volume were analysed at Week 104 using magnetic resonance imaging. The safety population consisted of all participants who received at least one dose of gantenerumab during the OLE and also had at least one post baseline MRI.

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

End point timeframe:

Part 2: Baseline (Part 1 screening), Week 104

| End point values | Part 2 (OLE treatment): Placebo switched to Gant to 1200 mg | Part 2 (OLE treatment): Gantenerumab up to 1200 mg | | |
|--------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 63 ^[15] | 52 ^[16] | | |
| Units: mL | | | | |
| arithmetic mean (standard deviation) | 86.70 (± 38.37) | 86.21 (± 30.49) | | |

Notes:

[15] - The number of participants analysed indicates the number of participants evaluated for the endpoint.

[16] - The number of participants analysed indicates the number of participants evaluated for the endpoint.

Statistical analyses

No statistical analyses for this end point

Secondary: Part 2: Gantenerumab Plasma Concentration at Multiple Timepoints

| | |
|-----------------|------------------------------------------------------------------|
| End point title | Part 2: Gantenerumab Plasma Concentration at Multiple Timepoints |
|-----------------|------------------------------------------------------------------|

End point description:

Of the 225 participants in the OLE safety evaluable population, evaluable PK information was available from 223 participants. The PK evaluable population consisted of all participants that were treated with gantenerumab and provided at least 1 post-baseline PK sample. "n" = number analysed is the number of participants with data available for analyses at the given time-point.

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

End point timeframe:

Pre-dose: Weeks 104, 116, 156, 208; Post-dose: Weeks 53, 101

| | | | | |
|--------------------------------------|------------------------------------------|--|--|--|
| End point values | Part 2 (OLE): Gantenerumab 1200 mg | | | |
| Subject group type | Subject analysis set | | | |
| Number of subjects analysed | 223 ^[17] | | | |
| Units: µg/mL | | | | |
| arithmetic mean (standard deviation) | | | | |
| Week 53 (n=128) | 80.6 (± 38.4) | | | |
| Week 101 (n=111) | 89.1 (± 33.6) | | | |
| Week 104 (n=141) | 43.5 (± 22.4) | | | |
| Week 116 (n=15) | 3.66 (± 2.29) | | | |
| Week 156 (n=80) | 45.2 (± 22.5) | | | |
| Week 208 (n=48) | 55.8 (± 37.9) | | | |

Notes:

[17] - The number of participants analysed indicated the number of participants evaluated for the endpoint.

Statistical analyses

No statistical analyses for this end point

Secondary: Part 2: Change from Baseline in Brain Amyloid Load at Week 156 in a Subset of Participants

| | |
|-----------------|--------------------------------------------------------------------------------------------|
| End point title | Part 2: Change from Baseline in Brain Amyloid Load at Week 156 in a Subset of Participants |
|-----------------|--------------------------------------------------------------------------------------------|

End point description:

Brain amyloid load over time was assessed using a Florbetapir [F18] injection, a positron emission tomography (PET) radioligand selective to amyloid. Analysis was conducted in a subset of participants who signed consent to participate in the PET substudy. Amyloid PET burden was measured in a composite region of interest (ROI) by using standardized uptake value ratio (SUVR) mapped to the centiloid scale. The composite region was composed of the following six bilateral regions: frontal lobe, parietal lobe, temporal lobe, posterior cingulate cortex, anterior cingulate cortex. The reference region used to normalize the composite region was the cerebellar cortex. SUVR is ratio of tracer uptake in each of cingulate, frontal, parietal and temporal cortexes relative to cerebellum. The centiloid scale anchor points are 0 and 100, where 0 represents a high-certainty amyloid negative scan and 100 represents the amount of global amyloid deposition found in a typical AD scans. Safety population.

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

End point timeframe:

Baseline, Week 156

| | | | | |
|--------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------|--|--|
| End point values | Part 2 (OLE treatment): Placebo switched to Gant to 1200 mg | Part 2 (OLE treatment): Gantenerumab up to 1200 mg | | |
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 13 ^[18] | 8 ^[19] | | |
| Units: SUVR | | | | |
| arithmetic mean (standard deviation) | -81.01 (± 47.08) | -84.93 (± 28.38) | | |

Notes:

[18] - The number of participants analysed indicates the number of participants evaluated for the endpoint.

[19] - The number of participants analysed indicates the number of participants evaluated for the endpoint.

Statistical analyses

No statistical analyses for this end point

Other pre-specified: Part 1: Mean Change from Baseline in Alzheimer's Disease Activity Scale-Cognitive Subscale 13 (ADAS-Cog13) Scores at Week 104

| | |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------|
| End point title | Part 1: Mean Change from Baseline in Alzheimer's Disease Activity Scale-Cognitive Subscale 13 (ADAS-Cog13) Scores at Week 104 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------|

End point description:

| | |
|----------------|---------------------|
| End point type | Other pre-specified |
|----------------|---------------------|

End point timeframe:

Baseline, Week 104

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|--------------------------------------|-------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[20] | 0 ^[21] | | |
| Units: Units on the scale | | | | |
| arithmetic mean (standard deviation) | () | () | | |

Notes:

[20] - For part 1, the efficacy endpoints became exploratory in nature.

[21] - For part 1, the efficacy endpoints became exploratory in nature.

Statistical analyses

No statistical analyses for this end point

Other pre-specified: Part 1: Mean Change From Baseline in Alzheimer's Disease Cooperative Study-Activities of Daily Living (ADCS-ADL) scores at week 104

| | |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------|
| End point title | Part 1: Mean Change From Baseline in Alzheimer's Disease Cooperative Study-Activities of Daily Living (ADCS-ADL) scores at week 104 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------|

End point description:

| | |
|----------------|---------------------|
| End point type | Other pre-specified |
|----------------|---------------------|

End point timeframe:

Baseline, Week 104

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|--------------------------------------|-------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[22] | 0 ^[23] | | |
| Units: Units on the scale | | | | |
| arithmetic mean (standard deviation) | () | () | | |

Notes:

[22] - For part 1, the efficacy endpoints became exploratory in nature.

[23] - For part 1, the efficacy endpoints became exploratory in nature.

Statistical analyses

No statistical analyses for this end point

Other pre-specified: Part 1: Percentage Change From Baseline in Total Tau (t-tau) in CSF at Week 104

| | |
|-----------------|---------------------------------------------------------------------------------|
| End point title | Part 1: Percentage Change From Baseline in Total Tau (t-tau) in CSF at Week 104 |
|-----------------|---------------------------------------------------------------------------------|

End point description:

| | |
|----------------|---------------------|
| End point type | Other pre-specified |
|----------------|---------------------|

End point timeframe:

Baseline, Week 104

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|--------------------------------------|-------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[24] | 0 ^[25] | | |
| Units: Percent Change | | | | |
| arithmetic mean (standard deviation) | () | () | | |

Notes:

[24] - For part 1, the efficacy endpoints became exploratory in nature.

[25] - For part 1, the efficacy endpoints became exploratory in nature.

Statistical analyses

No statistical analyses for this end point

Other pre-specified: Part 1: Percentage Change From Baseline in Abeta 1-42 levels in CSF at Week 104

| | |
|-----------------|---------------------------------------------------------------------------------|
| End point title | Part 1: Percentage Change From Baseline in Abeta 1-42 levels in CSF at Week 104 |
|-----------------|---------------------------------------------------------------------------------|

End point description:

| | |
|----------------|---------------------|
| End point type | Other pre-specified |
|----------------|---------------------|

End point timeframe:

Baseline, Week 104

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|--------------------------------------|-------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[26] | 0 ^[27] | | |
| Units: Percent Change | | | | |
| arithmetic mean (standard deviation) | () | () | | |

Notes:

[26] - For part 1, the efficacy endpoints became exploratory in nature.

[27] - For part 1, the efficacy endpoints became exploratory in nature.

Statistical analyses

No statistical analyses for this end point

Other pre-specified: Part 1: Percentage Change From Baseline in phosphorylated tau [p-tau] in CSF at Week 104

| | |
|-----------------|------------------------------------------------------------------------------------------|
| End point title | Part 1: Percentage Change From Baseline in phosphorylated tau [p-tau] in CSF at Week 104 |
|-----------------|------------------------------------------------------------------------------------------|

End point description:

| | |
|----------------|---------------------|
| End point type | Other pre-specified |
|----------------|---------------------|

End point timeframe:

Baseline, Week 104

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|--------------------------------------|-------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[28] | 0 ^[29] | | |
| Units: Percent Change | | | | |
| arithmetic mean (standard deviation) | () | () | | |

Notes:

[28] - For part 1, the efficacy endpoints became exploratory in nature.

[29] - For part 1, the efficacy endpoints became exploratory in nature.

Statistical analyses

No statistical analyses for this end point

Other pre-specified: Part 1: Percent Change From Baseline in Hippocampal Volume at Week 104

| | |
|-----------------|------------------------------------------------------------------------|
| End point title | Part 1: Percent Change From Baseline in Hippocampal Volume at Week 104 |
|-----------------|------------------------------------------------------------------------|

End point description:

| | |
|----------------|---------------------|
| End point type | Other pre-specified |
|----------------|---------------------|

End point timeframe:

Baseline, Week 104

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|--------------------------------------|-------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[30] | 0 ^[31] | | |
| Units: Percent Change | | | | |
| arithmetic mean (standard deviation) | () | () | | |

Notes:

[30] - For part 1, the efficacy endpoints became exploratory in nature.

[31] - For part 1, the efficacy endpoints became exploratory in nature.

Statistical analyses

No statistical analyses for this end point

Other pre-specified: Part 1: Percent Change From Baseline in Whole Brain Volume at Week 104

| | |
|-----------------|------------------------------------------------------------------------|
| End point title | Part 1: Percent Change From Baseline in Whole Brain Volume at Week 104 |
|-----------------|------------------------------------------------------------------------|

End point description:

| | |
|----------------|---------------------|
| End point type | Other pre-specified |
|----------------|---------------------|

End point timeframe:

Baseline, Week 104

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|--------------------------------------|-------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[32] | 0 ^[33] | | |
| Units: Percent Change | | | | |
| arithmetic mean (standard deviation) | () | () | | |

Notes:

[32] - For part 1, the efficacy endpoints became exploratory in nature.

[33] - For part 1, the efficacy endpoints became exploratory in nature.

Statistical analyses

No statistical analyses for this end point

Other pre-specified: Part 1: Percent Change From Baseline in Cortical Thickness at Week 104

| | |
|-----------------|------------------------------------------------------------------------|
| End point title | Part 1: Percent Change From Baseline in Cortical Thickness at Week 104 |
|-----------------|------------------------------------------------------------------------|

End point description:

| | |
|----------------|---------------------|
| End point type | Other pre-specified |
|----------------|---------------------|

End point timeframe:

Baseline, Week 104

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|--------------------------------------|-------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[34] | 0 ^[35] | | |
| Units: Percent Change | | | | |
| arithmetic mean (standard deviation) | () | () | | |

Notes:

[34] - For part 1, the efficacy endpoints became exploratory in nature.

[35] - For part 1, the efficacy endpoints became exploratory in nature.

Statistical analyses

No statistical analyses for this end point

Other pre-specified: Part 1: Ventricular Volume as Measured by MRI at Week 104

| | |
|-----------------|-----------------------------------------------------------|
| End point title | Part 1: Ventricular Volume as Measured by MRI at Week 104 |
|-----------------|-----------------------------------------------------------|

End point description:

| | |
|----------------|---------------------|
| End point type | Other pre-specified |
|----------------|---------------------|

End point timeframe:

Baseline, Week 104

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|--------------------------------------|-------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[36] | 0 ^[37] | | |
| Units: ml | | | | |
| arithmetic mean (standard deviation) | () | () | | |

Notes:

[36] - For part 1, the efficacy endpoints became exploratory in nature.

[37] - For part 1, the efficacy endpoints became exploratory in nature.

Statistical analyses

No statistical analyses for this end point

Other pre-specified: Part 1: Change From Baseline in Clinical Dementia Rating Global Score (CDR-GS) at Week 104

| | |
|-----------------|--------------------------------------------------------------------------------------------|
| End point title | Part 1: Change From Baseline in Clinical Dementia Rating Global Score (CDR-GS) at Week 104 |
|-----------------|--------------------------------------------------------------------------------------------|

End point description:

| | |
|----------------|---------------------|
| End point type | Other pre-specified |
|----------------|---------------------|

End point timeframe:

Baseline, Week 104

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|--------------------------------------|-------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[38] | 0 ^[39] | | |
| Units: Units on the scale | | | | |
| arithmetic mean (standard deviation) | () | () | | |

Notes:

[38] - For part 1, the efficacy endpoints became exploratory in nature.

[39] - For part 1, the efficacy endpoints became exploratory in nature.

Statistical analyses

No statistical analyses for this end point

Other pre-specified: Part 1: Change From Baseline in CDR Sum of Boxes (SB) at Week 104

| | |
|-----------------|-------------------------------------------------------------------|
| End point title | Part 1: Change From Baseline in CDR Sum of Boxes (SB) at Week 104 |
|-----------------|-------------------------------------------------------------------|

End point description:

| | |
|----------------|---------------------|
| End point type | Other pre-specified |
|----------------|---------------------|

End point timeframe:

Baseline, Week 104

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|--------------------------------------|-------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[40] | 0 ^[41] | | |
| Units: Units on the scale | | | | |
| arithmetic mean (standard deviation) | () | () | | |

Notes:

[40] - For part 1, the efficacy endpoints became exploratory in nature.

[41] - For part 1, the efficacy endpoints became exploratory in nature.

Statistical analyses

No statistical analyses for this end point

Other pre-specified: Part 1: Change From Baseline in Neuropsychiatric Inventory (NPI) Total Score at Week 104

| | |
|-----------------|------------------------------------------------------------------------------------------|
| End point title | Part 1: Change From Baseline in Neuropsychiatric Inventory (NPI) Total Score at Week 104 |
|-----------------|------------------------------------------------------------------------------------------|

End point description:

| | |
|----------------|---------------------|
| End point type | Other pre-specified |
|----------------|---------------------|

End point timeframe:

Baseline, Week 104

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|--------------------------------------|-------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[42] | 0 ^[43] | | |
| Units: Units on the scale | | | | |
| arithmetic mean (standard deviation) | () | () | | |

Notes:

[42] - For part 1, the efficacy endpoints became exploratory in nature.

[43] - For part 1, the efficacy endpoints became exploratory in nature.

Statistical analyses

No statistical analyses for this end point

Other pre-specified: Part 1: Change From Baseline in NPI Domain Score at Week 104

| | |
|------------------------|--------------------------------------------------------------|
| End point title | Part 1: Change From Baseline in NPI Domain Score at Week 104 |
| End point description: | |
| End point type | Other pre-specified |
| End point timeframe: | |
| Baseline, Week 104 | |

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|--------------------------------------|-------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[44] | 0 ^[45] | | |
| Units: Units on the scale | | | | |
| arithmetic mean (standard deviation) | () | () | | |

Notes:

[44] - For part 1, the efficacy endpoints became exploratory in nature.

[45] - For part 1, the efficacy endpoints became exploratory in nature.

Statistical analyses

No statistical analyses for this end point

Other pre-specified: Part 1: Change From Baseline in Mini Mental State Examination (MMSE) Total Score at Week 104

| | |
|------------------------|----------------------------------------------------------------------------------------------|
| End point title | Part 1: Change From Baseline in Mini Mental State Examination (MMSE) Total Score at Week 104 |
| End point description: | |
| End point type | Other pre-specified |
| End point timeframe: | |
| Baseline, Week 104 | |

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|--------------------------------------|-------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[46] | 0 ^[47] | | |
| Units: Units on the Scale | | | | |
| arithmetic mean (standard deviation) | () | () | | |

Notes:

[46] - For part 1, the efficacy endpoints became exploratory in nature.

[47] - For part 1, the efficacy endpoints became exploratory in nature.

Statistical analyses

No statistical analyses for this end point

Other pre-specified: Part 1: Change From Baseline in Alzheimer's Dementia (QoL-AD) Global Score at Week 104

| | |
|-----------------|----------------------------------------------------------------------------------------|
| End point title | Part 1: Change From Baseline in Alzheimer's Dementia (QoL-AD) Global Score at Week 104 |
|-----------------|----------------------------------------------------------------------------------------|

End point description:

| | |
|----------------|---------------------|
| End point type | Other pre-specified |
|----------------|---------------------|

End point timeframe:

Baseline, Week 104

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|--------------------------------------|-------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[48] | 0 ^[49] | | |
| Units: Units on the scale | | | | |
| arithmetic mean (standard deviation) | () | () | | |

Notes:

[48] - For part 1, the efficacy endpoints became exploratory in nature.

[49] - For part 1, the efficacy endpoints became exploratory in nature.

Statistical analyses

No statistical analyses for this end point

Other pre-specified: Part 1: Change From Baseline in Symptom Guide Facilitated (GAS) at Week 104

| | |
|-----------------|-----------------------------------------------------------------------------|
| End point title | Part 1: Change From Baseline in Symptom Guide Facilitated (GAS) at Week 104 |
|-----------------|-----------------------------------------------------------------------------|

End point description:

| | |
|----------------|---------------------|
| End point type | Other pre-specified |
|----------------|---------------------|

End point timeframe:

Baseline, Week 104

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|--------------------------------------|-------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[50] | 0 ^[51] | | |
| Units: Units on the scale | | | | |
| arithmetic mean (standard deviation) | () | () | | |

Notes:

[50] - For part 1, the efficacy endpoints became exploratory in nature.

[51] - For part 1, the efficacy endpoints became exploratory in nature.

Statistical analyses

No statistical analyses for this end point

Other pre-specified: Part 1: Change from Baseline in Dependence Scale (DS) at Week 104

| | |
|-----------------|-------------------------------------------------------------------|
| End point title | Part 1: Change from Baseline in Dependence Scale (DS) at Week 104 |
|-----------------|-------------------------------------------------------------------|

End point description:

| | |
|----------------|---------------------|
| End point type | Other pre-specified |
|----------------|---------------------|

End point timeframe:

Baseline, Week 104

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|--------------------------------------|-------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[52] | 0 ^[53] | | |
| Units: Units on the scale | | | | |
| arithmetic mean (standard deviation) | () | () | | |

Notes:

[52] - For part 1, the efficacy endpoints became exploratory in nature.

[53] - For part 1, the efficacy endpoints became exploratory in nature.

Statistical analyses

No statistical analyses for this end point

Other pre-specified: Part 1: Change From Baseline in Resource Utilization Dementia-Lite (RUD - Lite) Scale at Week 104

| | |
|-----------------|---------------------------------------------------------------------------------------------------|
| End point title | Part 1: Change From Baseline in Resource Utilization Dementia-Lite (RUD - Lite) Scale at Week 104 |
|-----------------|---------------------------------------------------------------------------------------------------|

End point description:

| | |
|----------------|---------------------|
| End point type | Other pre-specified |
|----------------|---------------------|

End point timeframe:

Baseline, Week 104

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|--------------------------------------|-------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[54] | 0 ^[55] | | |
| Units: Units on the scale | | | | |
| arithmetic mean (standard deviation) | () | () | | |

Notes:

[54] - For part 1, the efficacy endpoints became exploratory in nature.

[55] - For part 1, the efficacy endpoints became exploratory in nature.

Statistical analyses

No statistical analyses for this end point

Other pre-specified: Part 1: Change From Baseline in Zarit Caregiver Interview for Alzheimer's Disease (ZCI-AD) at Week 104

| | |
|-----------------|--------------------------------------------------------------------------------------------------------|
| End point title | Part 1: Change From Baseline in Zarit Caregiver Interview for Alzheimer's Disease (ZCI-AD) at Week 104 |
|-----------------|--------------------------------------------------------------------------------------------------------|

End point description:

| | |
|----------------|---------------------|
| End point type | Other pre-specified |
|----------------|---------------------|

End point timeframe:

Baseline, Week 104

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|--------------------------------------|-------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[56] | 0 ^[57] | | |
| Units: Units on the scale | | | | |
| arithmetic mean (standard deviation) | () | () | | |

Notes:

[56] - For part 1, the efficacy endpoints became exploratory in nature.

[57] - For part 1, the efficacy endpoints became exploratory in nature.

Statistical analyses

No statistical analyses for this end point

Other pre-specified: Part 1: Time to Clinical Decline

| | |
|-----------------|----------------------------------|
| End point title | Part 1: Time to Clinical Decline |
|-----------------|----------------------------------|

End point description:

| | |
|----------------|---------------------|
| End point type | Other pre-specified |
|----------------|---------------------|

End point timeframe:

Baseline up to Week 104

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|-------------------------------|-------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[58] | 0 ^[59] | | |
| Units: Weeks | | | | |
| median (full range (min-max)) | (to) | (to) | | |

Notes:

[58] - For part 1, the efficacy endpoints became exploratory in nature.

[59] - For part 1, the efficacy endpoints became exploratory in nature.

Statistical analyses

No statistical analyses for this end point

Other pre-specified: Part 1: Change from Baseline in Clinical Composite Score (Prespecified Items From The ADAS-Cog, MMSE, and CDR) at Week 104

| | |
|-----------------|----------------------------------------------------------------------------------------------------------------------------|
| End point title | Part 1: Change from Baseline in Clinical Composite Score (Prespecified Items From The ADAS-Cog, MMSE, and CDR) at Week 104 |
|-----------------|----------------------------------------------------------------------------------------------------------------------------|

End point description:

| | |
|----------------|---------------------|
| End point type | Other pre-specified |
|----------------|---------------------|

End point timeframe:

Baseline, Week 104

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|--------------------------------------|-------------------|----------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[60] | 0 ^[61] | | |
| Units: Units on the scale | | | | |
| arithmetic mean (standard deviation) | () | () | | |

Notes:

[60] - For part 1, the efficacy endpoints became exploratory in nature.

[61] - For part 1, the efficacy endpoints became exploratory in nature.

Statistical analyses

No statistical analyses for this end point

Other pre-specified: Part 1: Percentage of participants with ADAS-Cog Response

| | |
|-----------------|-----------------------------------------------------------|
| End point title | Part 1: Percentage of participants with ADAS-Cog Response |
|-----------------|-----------------------------------------------------------|

End point description:

| | |
|----------------|---------------------|
| End point type | Other pre-specified |
|----------------|---------------------|

End point timeframe:

Baseline up to Week 152

| End point values | Part 1: Placebo | Part 1: Gantenerumab | | |
|--------------------------------------|-------------------|-------------------------|--|--|
| Subject group type | Reporting group | Reporting group | | |
| Number of subjects analysed | 0 ^[62] | 0 ^[63] | | |
| Units: Units on the scale | | | | |
| arithmetic mean (standard deviation) | () | () | | |

Notes:

[62] - For part 1, the efficacy endpoints became exploratory in nature.

[63] - For part 1, the efficacy endpoints became exploratory in nature.

Statistical analyses

No statistical analyses for this end point

Adverse events

Adverse events information

Timeframe for reporting adverse events:

Baseline up to 52 weeks after the last dose of study drug (up to 7 years)

Adverse event reporting additional description:

The safety-evaluable population consisted of all participants who had received at least one dose of study drug, regardless of whether the participants withdrew prematurely or not.

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

Dictionary used

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

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

Reporting groups

| | |
|-----------------------|-----------------|
| Reporting group title | Part 1: Placebo |
|-----------------------|-----------------|

Reporting group description:

Participants received matching placebo by SC injection Q4W up to 100 weeks during Part 1 of the study.

| | |
|-----------------------|-------------------------------------------------------------|
| Reporting group title | Part 2 (OLE treatment): Placebo switched to Gant to 1200 mg |
|-----------------------|-------------------------------------------------------------|

Reporting group description:

Participants who had received Placebo in Part 1, received Gantenerumab at doses up to 1200 mg by SC injection Q4W for up to 2 years. Additionally, participants were given the option to continue receiving open-label gantenerumab treatment for 3 years.

| | |
|-----------------------|----------------------------------------------------|
| Reporting group title | Part 2 (OLE treatment): Gantenerumab up to 1200 mg |
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Reporting group description:

Participants who had received Gantenerumab in Part 1, received treatment at doses up to 1200 mg by SC injection Q4W for up to 2 years. Additionally, participants were given the option to continue receiving open-label gantenerumab treatment for 3 years.

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| Reporting group title | Part 1: Gantenerumab |
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Reporting group description:

Participants received 105 mg Gantenerumab by SC injection Q4W for 24 weeks and if eligible 225 mg SC injection Q4W from weeks 28-100 during Part 1 of the study.

| Serious adverse events | Part 1: Placebo | Part 2 (OLE treatment): Placebo switched to Gant to 1200 mg | Part 2 (OLE treatment): Gantenerumab up to 1200 mg |
|---------------------------------------------------------------------|-------------------|-------------------------------------------------------------|----------------------------------------------------|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 53 / 195 (27.18%) | 29 / 117 (24.79%) | 41 / 108 (37.96%) |
| number of deaths (all causes) | 11 | 8 | 5 |
| number of deaths resulting from adverse events | 0 | 0 | 0 |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) | | | |
| Bladder transitional cell carcinoma | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Cerebellar tumour | | | |

| | | | |
|-------------------------------------------------|-----------------|-----------------|-----------------|
| subjects affected / exposed | 1 / 195 (0.51%) | 1 / 117 (0.85%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 1 | 0 / 1 | 0 / 0 |
| Colon cancer | | | |
| subjects affected / exposed | 2 / 195 (1.03%) | 2 / 117 (1.71%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 2 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 1 | 0 / 1 | 0 / 0 |
| Invasive lobular breast carcinoma | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Myelodysplastic syndrome | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 1 / 117 (0.85%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 1 | 0 / 1 | 0 / 0 |
| Ovarian epithelial cancer | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 0 |
| Rectal cancer | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 0 |
| Squamous cell carcinoma of pharynx | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Vascular disorders | | | |
| Aortic aneurysm rupture | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 1 / 117 (0.85%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 1 | 0 / 1 | 0 / 0 |
| Deep vein thrombosis | | | |

| | | | |
|------------------------------------------------------|-----------------|-----------------|-----------------|
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Giant cell arteritis | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Hypertension | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Orthostatic hypotension | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| General disorders and administration site conditions | | | |
| Asthenia | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Cyst | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Death | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 0 |
| Fatigue | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Pain | | | |

| | | | |
|-------------------------------------------------|-----------------|-----------------|-----------------|
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Immune system disorders | | | |
| Anaphylactic shock | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Respiratory, thoracic and mediastinal disorders | | | |
| Bronchitis chronic | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Epistaxis | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Lung infiltration | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Pleural effusion | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Pneumonia aspiration | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Pulmonary embolism | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |

| | | | |
|-------------------------------------------------|-----------------|-----------------|-----------------|
| Tonsillar hypertrophy | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Psychiatric disorders | | | |
| Affective disorder | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Aggression | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 1 / 117 (0.85%) | 0 / 108 (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 |
| Agitation | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 2 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Delirium | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Psychotic symptom | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 1 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Suicide threat | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Investigations | | | |
| Electrocardiogram abnormal | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 1 / 117 (0.85%) | 0 / 108 (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 |

| | | | |
|-------------------------------------------------|-----------------|-----------------|-----------------|
| Injury, poisoning and procedural complications | | | |
| Ankle fracture | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Chest injury | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Comminuted fracture | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 1 / 117 (0.85%) | 0 / 108 (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 |
| Fall | | | |
| subjects affected / exposed | 3 / 195 (1.54%) | 0 / 117 (0.00%) | 3 / 108 (2.78%) |
| occurrences causally related to treatment / all | 0 / 3 | 0 / 0 | 0 / 3 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Femoral neck fracture | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Femur fracture | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 1 / 117 (0.85%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Hip fracture | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 1 / 117 (0.85%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 1 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Jaw fracture | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |

| | | | |
|-------------------------------------------------|-----------------|-----------------|-----------------|
| Meniscus injury | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Multiple fractures | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Optic nerve injury | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 1 / 117 (0.85%) | 0 / 108 (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 |
| Rib fracture | | | |
| subjects affected / exposed | 2 / 195 (1.03%) | 1 / 117 (0.85%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Road traffic accident | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Spinal compression fracture | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 2 / 108 (1.85%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 2 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Subdural haematoma | | | |
| subjects affected / exposed | 2 / 195 (1.03%) | 1 / 117 (0.85%) | 2 / 108 (1.85%) |
| occurrences causally related to treatment / all | 1 / 2 | 1 / 1 | 1 / 2 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| Traumatic intracranial haemorrhage | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Upper limb fracture | | | |

| | | | |
|-------------------------------------------------|-----------------|-----------------|-----------------|
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Wrist fracture | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Cardiac disorders | | | |
| Acute coronary syndrome | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Acute myocardial infarction | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Angina unstable | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 1 / 117 (0.85%) | 0 / 108 (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 |
| Arrhythmia | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 2 / 108 (1.85%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 2 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Atrial fibrillation | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Bradycardia | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Cardiac arrest | | | |

| | | | |
|-------------------------------------------------|-----------------|-----------------|-----------------|
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Cardiac failure | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 0 |
| Cardiac failure acute | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| Myocardial infarction | | | |
| subjects affected / exposed | 2 / 195 (1.03%) | 1 / 117 (0.85%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 1 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 2 | 0 / 1 | 0 / 1 |
| Nervous system disorders | | | |
| ARIA-E | | | |
| subjects affected / exposed | 2 / 195 (1.03%) | 2 / 117 (1.71%) | 2 / 108 (1.85%) |
| occurrences causally related to treatment / all | 2 / 2 | 2 / 2 | 2 / 2 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| ARIA-H | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 1 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Brain stem infarction | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Cerebral haematoma | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Cerebral infarction | | | |

| | | | |
|--------------------------------------------------|-----------------|-----------------|-----------------|
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 1 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Cerebral venous sinus thrombosis | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Cerebrovascular accident | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 1 | 0 / 0 | 0 / 0 |
| Dementia Alzheimer's type | | | |
| subjects affected / exposed | 2 / 195 (1.03%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| Dementia of the Alzheimer's type, with delusions | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Encephalopathy | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Epilepsy | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 1 / 117 (0.85%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 1 / 1 | 1 / 1 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Generalised tonic-clonic seizure | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Haemorrhagic stroke | | | |

| | | | |
|-------------------------------------------------|-----------------|-----------------|-----------------|
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Hemiplegia | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 1 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Hydrocephalus | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Ischaemic stroke | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 1 / 117 (0.85%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 1 / 1 | 1 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Leukoencephalopathy | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Nervous system disorder | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Neurotoxicity | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Psychomotor hyperactivity | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Somnolence | | | |

| | | | |
|-------------------------------------------------|-----------------|-----------------|-----------------|
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Syncope | | | |
| subjects affected / exposed | 2 / 195 (1.03%) | 1 / 117 (0.85%) | 2 / 108 (1.85%) |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 1 | 0 / 2 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Transient ischaemic attack | | | |
| subjects affected / exposed | 2 / 195 (1.03%) | 2 / 117 (1.71%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 2 | 0 / 2 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Vertebral artery dissection | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Vertebrobasilar stroke | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Eye disorders | | | |
| Ocular hypertension | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 1 / 117 (0.85%) | 0 / 108 (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 |
| Gastrointestinal disorders | | | |
| Constipation | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Diverticulum intestinal haemorrhagic | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 1 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Dysphagia | | | |

| | | | |
|-------------------------------------------------|-----------------|-----------------|-----------------|
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| Enteritis | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 1 / 117 (0.85%) | 0 / 108 (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 |
| Faeces discoloured | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Gastric ulcer | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 1 / 117 (0.85%) | 0 / 108 (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 |
| Gastrointestinal haemorrhage | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Haematochezia | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Ileus | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Inguinal hernia | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 2 / 108 (1.85%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 2 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Lower gastrointestinal haemorrhage | | | |

| | | | |
|-------------------------------------------------|-----------------|-----------------|-----------------|
| subjects affected / exposed | 1 / 195 (0.51%) | 1 / 117 (0.85%) | 0 / 108 (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 |
| Pancreatitis | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Umbilical hernia | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Hepatobiliary disorders | | | |
| Cholelithiasis | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Liver disorder | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Renal and urinary disorders | | | |
| Haematuria | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Urinary retention | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Urinary tract obstruction | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 2 / 108 (1.85%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 2 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Infections and infestations | | | |

| | | | |
|-------------------------------------------------|-----------------|-----------------|-----------------|
| Appendiceal abscess | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 1 / 117 (0.85%) | 0 / 108 (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 |
| Bacterial sepsis | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 1 / 117 (0.85%) | 0 / 108 (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 |
| COVID-19 | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| 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 / 195 (0.00%) | 0 / 117 (0.00%) | 2 / 108 (1.85%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 2 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Colonic abscess | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Cystitis | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Erysipelas | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Gastroenteritis rotavirus | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Influenza | | | |

| | | | |
|-------------------------------------------------|-----------------|-----------------|-----------------|
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Periodontitis | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 1 / 117 (0.85%) | 0 / 108 (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 |
| Pneumonia | | | |
| subjects affected / exposed | 3 / 195 (1.54%) | 2 / 117 (1.71%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 3 | 0 / 2 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Respiratory tract infection | | | |
| subjects affected / exposed | 3 / 195 (1.54%) | 3 / 117 (2.56%) | 0 / 108 (0.00%) |
| occurrences causally related to treatment / all | 0 / 3 | 0 / 3 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Sepsis | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Septic shock | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Shunt infection | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Tonsillitis bacterial | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Urinary tract infection | | | |

| | | | |
|-------------------------------------------------|-----------------|-----------------|-----------------|
| subjects affected / exposed | 3 / 195 (1.54%) | 3 / 117 (2.56%) | 2 / 108 (1.85%) |
| occurrences causally related to treatment / all | 0 / 3 | 0 / 3 | 0 / 2 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Metabolism and nutrition disorders | | | |
| Decreased appetite | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Hypercalcaemia | | | |
| subjects affected / exposed | 1 / 195 (0.51%) | 0 / 117 (0.00%) | 0 / 108 (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 |
| Hypoglycaemia | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Hyponatraemia | | | |
| subjects affected / exposed | 0 / 195 (0.00%) | 0 / 117 (0.00%) | 1 / 108 (0.93%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |

| Serious adverse events | Part 1: Gantenerumab | | |
|---------------------------------------------------------------------|-------------------------|--|--|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 61 / 192 (31.77%) | | |
| number of deaths (all causes) | 8 | | |
| number of deaths resulting from adverse events | 0 | | |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) | | | |
| Bladder transitional cell carcinoma | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Cerebellar tumour | | | |

| | | | |
|-------------------------------------------------|-----------------|--|--|
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Colon cancer | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Invasive lobular breast carcinoma | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Myelodysplastic syndrome | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Ovarian epithelial cancer | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Rectal cancer | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Squamous cell carcinoma of pharynx | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Vascular disorders | | | |
| Aortic aneurysm rupture | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Deep vein thrombosis | | | |

| | | | |
|------------------------------------------------------|-----------------|--|--|
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Giant cell arteritis | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Hypertension | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Orthostatic hypotension | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| General disorders and administration site conditions | | | |
| Asthenia | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Cyst | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Death | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Fatigue | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Pain | | | |

| | | | |
|-------------------------------------------------|-----------------|--|--|
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Immune system disorders | | | |
| Anaphylactic shock | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Respiratory, thoracic and mediastinal disorders | | | |
| Bronchitis chronic | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Epistaxis | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Lung infiltration | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Pleural effusion | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Pneumonia aspiration | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Pulmonary embolism | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |

| | | | |
|-------------------------------------------------|-----------------|--|--|
| Tonsillar hypertrophy | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Psychiatric disorders | | | |
| Affective disorder | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Aggression | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Agitation | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Delirium | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Psychotic symptom | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Suicide threat | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Investigations | | | |
| Electrocardiogram abnormal | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |

| | | | |
|-------------------------------------------------|-----------------|--|--|
| Injury, poisoning and procedural complications | | | |
| Ankle fracture | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Chest injury | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Comminuted fracture | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Fall | | | |
| subjects affected / exposed | 5 / 192 (2.60%) | | |
| occurrences causally related to treatment / all | 0 / 5 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Femoral neck fracture | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Femur fracture | | | |
| subjects affected / exposed | 2 / 192 (1.04%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Hip fracture | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Jaw fracture | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |

| | | | | |
|-------------------------------------------------|-----------------|--|--|--|
| Meniscus injury | | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Multiple fractures | | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Optic nerve injury | | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | | |
| occurrences causally related to treatment / all | 0 / 0 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Rib fracture | | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | | |
| occurrences causally related to treatment / all | 0 / 0 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Road traffic accident | | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Spinal compression fracture | | | | |
| subjects affected / exposed | 2 / 192 (1.04%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Subdural haematoma | | | | |
| subjects affected / exposed | 2 / 192 (1.04%) | | | |
| occurrences causally related to treatment / all | 1 / 2 | | | |
| deaths causally related to treatment / all | 0 / 1 | | | |
| Traumatic intracranial haemorrhage | | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Upper limb fracture | | | | |

| | | | |
|-------------------------------------------------|-----------------|--|--|
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Wrist fracture | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Cardiac disorders | | | |
| Acute coronary syndrome | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Acute myocardial infarction | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Angina unstable | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Arrhythmia | | | |
| subjects affected / exposed | 3 / 192 (1.56%) | | |
| occurrences causally related to treatment / all | 0 / 3 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Atrial fibrillation | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Bradycardia | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Cardiac arrest | | | |

| | | | |
|-------------------------------------------------|-----------------|--|--|
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Cardiac failure | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Cardiac failure acute | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Myocardial infarction | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Nervous system disorders | | | |
| ARIA-E | | | |
| subjects affected / exposed | 2 / 192 (1.04%) | | |
| occurrences causally related to treatment / all | 3 / 3 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| ARIA-H | | | |
| subjects affected / exposed | 2 / 192 (1.04%) | | |
| occurrences causally related to treatment / all | 2 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Brain stem infarction | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Cerebral haematoma | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Cerebral infarction | | | |

| | | | | |
|--------------------------------------------------|-----------------|--|--|--|
| subjects affected / exposed | 1 / 192 (0.52%) | | | |
| occurrences causally related to treatment / all | 1 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Cerebral venous sinus thrombosis | | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Cerebrovascular accident | | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | | |
| occurrences causally related to treatment / all | 0 / 0 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Dementia Alzheimer's type | | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 1 | | | |
| Dementia of the Alzheimer's type, with delusions | | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | | |
| occurrences causally related to treatment / all | 0 / 0 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Encephalopathy | | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Epilepsy | | | | |
| subjects affected / exposed | 2 / 192 (1.04%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Generalised tonic-clonic seizure | | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Haemorrhagic stroke | | | | |

| | | | |
|-------------------------------------------------|-----------------|--|--|
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Hemiplegia | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Hydrocephalus | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Ischaemic stroke | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Leukoencephalopathy | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Nervous system disorder | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Neurotoxicity | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Psychomotor hyperactivity | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Somnolence | | | |

| | | | |
|-------------------------------------------------|-----------------|--|--|
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Syncope | | | |
| subjects affected / exposed | 2 / 192 (1.04%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Transient ischaemic attack | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Vertebral artery dissection | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Vertebrobasilar stroke | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Eye disorders | | | |
| Ocular hypertension | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Gastrointestinal disorders | | | |
| Constipation | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Diverticulum intestinal haemorrhagic | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Dysphagia | | | |

| | | | |
|-------------------------------------------------|-----------------|--|--|
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Enteritis | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Faeces discoloured | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Gastric ulcer | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Gastrointestinal haemorrhage | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Haematochezia | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Ileus | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Inguinal hernia | | | |
| subjects affected / exposed | 2 / 192 (1.04%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Lower gastrointestinal haemorrhage | | | |

| | | | |
|-------------------------------------------------|-----------------|--|--|
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Pancreatitis | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Umbilical hernia | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Hepatobiliary disorders | | | |
| Cholelithiasis | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Liver disorder | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Renal and urinary disorders | | | |
| Haematuria | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Urinary retention | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Urinary tract obstruction | | | |
| subjects affected / exposed | 2 / 192 (1.04%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Infections and infestations | | | |

| | | | | |
|-------------------------------------------------|-----------------|--|--|--|
| Appendiceal abscess | | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | | |
| occurrences causally related to treatment / all | 0 / 0 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Bacterial sepsis | | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | | |
| occurrences causally related to treatment / all | 0 / 0 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| COVID-19 | | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Cellulitis | | | | |
| subjects affected / exposed | 2 / 192 (1.04%) | | | |
| occurrences causally related to treatment / all | 0 / 2 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Colonic abscess | | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Cystitis | | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | | |
| occurrences causally related to treatment / all | 0 / 0 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Erysipelas | | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Gastroenteritis rotavirus | | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Influenza | | | | |

| | | | | |
|-------------------------------------------------|-----------------|--|--|--|
| subjects affected / exposed | 0 / 192 (0.00%) | | | |
| occurrences causally related to treatment / all | 0 / 0 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Periodontitis | | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | | |
| occurrences causally related to treatment / all | 0 / 0 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Pneumonia | | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Respiratory tract infection | | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | | |
| occurrences causally related to treatment / all | 0 / 0 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Sepsis | | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | | |
| occurrences causally related to treatment / all | 0 / 0 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Septic shock | | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | | |
| occurrences causally related to treatment / all | 0 / 0 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Shunt infection | | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Tonsillitis bacterial | | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Urinary tract infection | | | | |

| | | | |
|-------------------------------------------------|-----------------|--|--|
| subjects affected / exposed | 3 / 192 (1.56%) | | |
| occurrences causally related to treatment / all | 0 / 3 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Metabolism and nutrition disorders | | | |
| Decreased appetite | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Hypercalcaemia | | | |
| subjects affected / exposed | 0 / 192 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Hypoglycaemia | | | |
| subjects affected / exposed | 1 / 192 (0.52%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Hyponatraemia | | | |
| subjects affected / exposed | 2 / 192 (1.04%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |

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

| Non-serious adverse events | Part 1: Placebo | Part 2 (OLE treatment): Placebo switched to Gant to 1200 mg | Part 2 (OLE treatment): Gantenerumab up to 1200 mg |
|-------------------------------------------------------|--------------------|-------------------------------------------------------------|----------------------------------------------------|
| Total subjects affected by non-serious adverse events | | | |
| subjects affected / exposed | 147 / 195 (75.38%) | 94 / 117 (80.34%) | 91 / 108 (84.26%) |
| Injury, poisoning and procedural complications | | | |
| Contusion | | | |
| subjects affected / exposed | 12 / 195 (6.15%) | 5 / 117 (4.27%) | 8 / 108 (7.41%) |
| occurrences (all) | 15 | 7 | 9 |
| Fall | | | |
| subjects affected / exposed | 28 / 195 (14.36%) | 16 / 117 (13.68%) | 22 / 108 (20.37%) |
| occurrences (all) | 44 | 25 | 41 |

| | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Skin abrasion subjects affected / exposed occurrences (all) | 6 / 195 (3.08%) 7 | 3 / 117 (2.56%) 3 | 5 / 108 (4.63%) 10 |
| Vascular disorders Hypertension subjects affected / exposed occurrences (all) | 13 / 195 (6.67%) 13 | 4 / 117 (3.42%) 4 | 5 / 108 (4.63%) 5 |
| Nervous system disorders ARIA-E subjects affected / exposed occurrences (all) ARIA-H subjects affected / exposed occurrences (all) Dizziness subjects affected / exposed occurrences (all) Headache subjects affected / exposed occurrences (all) | 32 / 195 (16.41%) 42 30 / 195 (15.38%) 39 18 / 195 (9.23%) 24 29 / 195 (14.87%) 38 | 29 / 117 (24.79%) 35 19 / 117 (16.24%) 23 13 / 117 (11.11%) 13 15 / 117 (12.82%) 18 | 30 / 108 (27.78%) 51 23 / 108 (21.30%) 27 6 / 108 (5.56%) 6 12 / 108 (11.11%) 24 |
| General disorders and administration site conditions Injection site reaction subjects affected / exposed occurrences (all) Oedema peripheral subjects affected / exposed occurrences (all) Pyrexia subjects affected / exposed occurrences (all) | 49 / 195 (25.13%) 284 2 / 195 (1.03%) 2 4 / 195 (2.05%) 4 | 48 / 117 (41.03%) 281 1 / 117 (0.85%) 1 2 / 117 (1.71%) 2 | 44 / 108 (40.74%) 280 8 / 108 (7.41%) 9 6 / 108 (5.56%) 8 |
| Gastrointestinal disorders Constipation subjects affected / exposed occurrences (all) Diarrhoea | 14 / 195 (7.18%) 15 | 6 / 117 (5.13%) 7 | 0 / 108 (0.00%) 15 |

| | | | |
|-------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------|-----------------------|
| subjects affected / exposed occurrences (all) | 23 / 195 (11.79%) 27 | 11 / 117 (9.40%) 14 | 8 / 108 (7.41%) 13 |
| Nausea subjects affected / exposed occurrences (all) | 15 / 195 (7.69%) 24 | 3 / 117 (2.56%) 9 | 4 / 108 (3.70%) 4 |
| Vomiting subjects affected / exposed occurrences (all) | 11 / 195 (5.64%) 16 | 6 / 117 (5.13%) 11 | 6 / 108 (5.56%) 7 |
| Skin and subcutaneous tissue disorders Rash subjects affected / exposed occurrences (all) | 9 / 195 (4.62%) 9 | 4 / 117 (3.42%) 4 | 5 / 108 (4.63%) 5 |
| Psychiatric disorders Agitation subjects affected / exposed occurrences (all) | 13 / 195 (6.67%) 16 | 9 / 117 (7.69%) 10 | 8 / 108 (7.41%) 9 |
| Anxiety subjects affected / exposed occurrences (all) | 13 / 195 (6.67%) 13 | 5 / 117 (4.27%) 5 | 6 / 108 (5.56%) 6 |
| Depression subjects affected / exposed occurrences (all) | 17 / 195 (8.72%) 17 | 8 / 117 (6.84%) 8 | 2 / 108 (1.85%) 2 |
| Insomnia subjects affected / exposed occurrences (all) | 12 / 195 (6.15%) 15 | 7 / 117 (5.98%) 8 | 5 / 108 (4.63%) 5 |
| Musculoskeletal and connective tissue disorders Arthralgia subjects affected / exposed occurrences (all) | 14 / 195 (7.18%) 15 | 8 / 117 (6.84%) 8 | 7 / 108 (6.48%) 10 |
| Back pain subjects affected / exposed occurrences (all) | 20 / 195 (10.26%) 21 | 8 / 117 (6.84%) 9 | 5 / 108 (4.63%) 5 |
| Neck pain subjects affected / exposed occurrences (all) | 6 / 195 (3.08%) 6 | 6 / 117 (5.13%) 6 | 1 / 108 (0.93%) 1 |
| Infections and infestations | | | |

| | | | |
|-----------------------------------|-------------------|-------------------|-------------------|
| Bronchitis | | | |
| subjects affected / exposed | 10 / 195 (5.13%) | 6 / 117 (5.13%) | 5 / 108 (4.63%) |
| occurrences (all) | 13 | 9 | 6 |
| Influenza | | | |
| subjects affected / exposed | 8 / 195 (4.10%) | 4 / 117 (3.42%) | 10 / 108 (9.26%) |
| occurrences (all) | 10 | 4 | 12 |
| Nasopharyngitis | | | |
| subjects affected / exposed | 27 / 195 (13.85%) | 13 / 117 (11.11%) | 11 / 108 (10.19%) |
| occurrences (all) | 35 | 14 | 15 |
| Upper respiratory tract infection | | | |
| subjects affected / exposed | 20 / 195 (10.26%) | 10 / 117 (8.55%) | 3 / 108 (2.78%) |
| occurrences (all) | 30 | 13 | 5 |
| Urinary tract infection | | | |
| subjects affected / exposed | 17 / 195 (8.72%) | 11 / 117 (9.40%) | 7 / 108 (6.48%) |
| occurrences (all) | 20 | 13 | 14 |

| Non-serious adverse events | Part 1: Gantenerumab | | |
|-------------------------------------------------------|-------------------------|--|--|
| Total subjects affected by non-serious adverse events | | | |
| subjects affected / exposed | 159 / 192 (82.81%) | | |
| Injury, poisoning and procedural complications | | | |
| Contusion | | | |
| subjects affected / exposed | 16 / 192 (8.33%) | | |
| occurrences (all) | 21 | | |
| Fall | | | |
| subjects affected / exposed | 35 / 192 (18.23%) | | |
| occurrences (all) | 69 | | |
| Skin abrasion | | | |
| subjects affected / exposed | 12 / 192 (6.25%) | | |
| occurrences (all) | 17 | | |
| Vascular disorders | | | |
| Hypertension | | | |
| subjects affected / exposed | 13 / 192 (6.77%) | | |
| occurrences (all) | 15 | | |
| Nervous system disorders | | | |
| ARIA-E | | | |

| | | | |
|-----------------------------------------------------------------------------|--------------------------|--|--|
| subjects affected / exposed occurrences (all) | 42 / 192 (21.88%) 70 | | |
| ARIA-H subjects affected / exposed occurrences (all) | 36 / 192 (18.75%) 42 | | |
| Dizziness subjects affected / exposed occurrences (all) | 17 / 192 (8.85%) 26 | | |
| Headache subjects affected / exposed occurrences (all) | 22 / 192 (11.46%) 44 | | |
| General disorders and administration site conditions | | | |
| Injection site reaction subjects affected / exposed occurrences (all) | 52 / 192 (27.08%) 322 | | |
| Oedema peripheral subjects affected / exposed occurrences (all) | 10 / 192 (5.21%) 11 | | |
| Pyrexia subjects affected / exposed occurrences (all) | 7 / 192 (3.65%) 9 | | |
| Gastrointestinal disorders | | | |
| Constipation subjects affected / exposed occurrences (all) | 16 / 192 (8.33%) 20 | | |
| Diarrhoea subjects affected / exposed occurrences (all) | 11 / 192 (5.73%) 18 | | |
| Nausea subjects affected / exposed occurrences (all) | 10 / 192 (5.21%) 11 | | |
| Vomiting subjects affected / exposed occurrences (all) | 14 / 192 (7.29%) 18 | | |
| Skin and subcutaneous tissue disorders | | | |

| | | | |
|-------------------------------------------------|-------------------|--|--|
| Rash | | | |
| subjects affected / exposed | 12 / 192 (6.25%) | | |
| occurrences (all) | 12 | | |
| Psychiatric disorders | | | |
| Agitation | | | |
| subjects affected / exposed | 18 / 192 (9.38%) | | |
| occurrences (all) | 21 | | |
| Anxiety | | | |
| subjects affected / exposed | 13 / 192 (6.77%) | | |
| occurrences (all) | 14 | | |
| Depression | | | |
| subjects affected / exposed | 13 / 192 (6.77%) | | |
| occurrences (all) | 14 | | |
| Insomnia | | | |
| subjects affected / exposed | 15 / 192 (7.81%) | | |
| occurrences (all) | 16 | | |
| Musculoskeletal and connective tissue disorders | | | |
| Arthralgia | | | |
| subjects affected / exposed | 13 / 192 (6.77%) | | |
| occurrences (all) | 23 | | |
| Back pain | | | |
| subjects affected / exposed | 17 / 192 (8.85%) | | |
| occurrences (all) | 19 | | |
| Neck pain | | | |
| subjects affected / exposed | 2 / 192 (1.04%) | | |
| occurrences (all) | 2 | | |
| Infections and infestations | | | |
| Bronchitis | | | |
| subjects affected / exposed | 10 / 192 (5.21%) | | |
| occurrences (all) | 11 | | |
| Influenza | | | |
| subjects affected / exposed | 14 / 192 (7.29%) | | |
| occurrences (all) | 19 | | |
| Nasopharyngitis | | | |
| subjects affected / exposed | 23 / 192 (11.98%) | | |
| occurrences (all) | 31 | | |

| | | | |
|---------------------------------------------------------------------------------------|------------------------|--|--|
| Upper respiratory tract infection subjects affected / exposed occurrences (all) | 7 / 192 (3.65%) 12 | | |
| Urinary tract infection subjects affected / exposed occurrences (all) | 18 / 192 (9.38%) 28 | | |

More information

Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date | Amendment |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 28 October 2014 | <p>A. Protocol was amended to allow for higher doses of gantenerumab to be examined in an open-label extension and the positron emission tomography (PET) substudy protocol was amended to reflect these changes and to allow subjects participating in the PET substudy to continue their yearly PET scans according to the open label schedule.</p> <p>B. Overview section was updated to explain overall changes.</p> <p>C. Update was made in rationale of study to explain the need for up-titration.</p> <p>D. Study design was updated to allow for transition into open label. Also, to update the number of subjects, treatment allocation and to delete the arterial blood sampling.</p> <p>E. Number of subjects and inclusion criteria was updated</p> <p>F. Schedule of Assessment and Procedures was updated.</p> <p>G. Need for an additional scan was updated in preparation and administration of the radioligand.</p> <p>H. Warnings and precautions, sample size information and overall statistical plan was updated.</p> <p>I. Ongoing review of the PET data by Sponsor included in interim review of study results.</p> |
| 27 October 2015 | <p>A. Protocol body was updated to clarify Part 1 from Part 2.</p> <p>B. Protocol was amended to allow for higher doses of gantenerumab to be examined in an open-label extension and to achieve higher dosing using an APOE ε4-based titration schedule and corresponding magnetic resonance imaging monitoring.</p> <p>C. Screening examination and eligibility screening form were updated.</p> <p>D. Update was made to reflect the abbreviated rescreening visit can be combined with baseline visit as long as all procedures required at screening and Baseline are performed.</p> <p>E. Serology requirements for the screening and re-screening visits were specified.</p> <p>F. Schedule of assessments was updated.</p> <p>G. Roche reporting requirements were updated.</p> |
| 02 December 2017 | <p>A. Protocol was amended to allow subjects the option to continue receiving open-label gantenerumab until the end of 2020.</p> <p>B. The number of studies in which gantenerumab is investigated were updated in background on Gantenerumab.</p> <p>C. The period of review for independent data monitoring committee has been clarified.</p> <p>D. The Cardiac-PET substudy has been updated to reflect updated status.</p> <p>E. Update was made to reflect MMSE is the only efficacy outcome measure assessed during additional years of part 2.</p> <p>F. Removed the cardiac PET substudy because the substudy has been stopped.</p> <p>G. Pharmacokinetic sampling in case of amyloid-related imaging abnormality findings has been clarified.</p> <p>H. Medical monitor information has been updated to reflect the change in Medical Monitor.</p> <p>I. The reporting of the term "sudden death" has been updated.</p> <p>J. Event reporting for hospitalization has been clarified.</p> <p>K. The process for reviewing and handling protocol deviations has been updated.</p> <p>L. Appendix 2 has been updated to indicate assessments collected during the additional years of OLE.</p> |

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| 28 February 2020 | <p>A. Protocol was amended to allow participants who complete dosing visits in study WN28745 to enroll in an OLE study (WN41874) without any unnecessary dosing gap, and to enable the use of leftover plasma samples, collected for PK and ADA analysis, for exploratory biomarker research.</p> <p>B. Update was made to clarify that amyloid-related imaging abnormalities (both edema/effusion and hemosiderin depositions) and injection-site reactions are identified risks for gantenerumab and to enable participants to enroll in study WN41874 (open-label rollover study) to continue to receive gantenerumab for 2 more years. Participants who enroll in study WN41874 will not undergo follow-up assessments 16 weeks after their last dose (Follow-Up 2 visit).</p> <p>C. Positron emission tomography tracers used in the substudies associated in this substudy are included as investigational medicinal products (IMPs) or non-IMPs.</p> <p>D. Update was made to enable the use of leftover plasma samples, collected for PK and ADA analysis, for exploratory biomarker research and to clarify the timing of follow-up visits for Part 1 versus Part 2.</p> <p>E. Medical Monitor contact information was updated.</p> <p>F. Documents to be used for reference safety information for the PET tracers have been specified.</p> <p>G. Appendix 2 has been corrected to clarify that treatment is not to be administered at the Follow-Up 1 visit.</p> <p>H. Appendix 2 has been updated to add an optional lumbar puncture at Week 104 for all participants.</p> |
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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.

As the participants transitioned early to OLE, most participants did not reach the primary analysis timepoint (Week 104). Hence, the efficacy endpoints for Part 1 became exploratory in nature.

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