



Clinical trial results:

A Phase 2b, Randomized, Double-Blind, Placebo-Controlled Trial Comparing 24 or 48 Weeks of GS-9190, in Combination with Peginterferon Alfa 2a and Ribavirin, to 48 Weeks of Peginterferon Alfa 2a and Ribavirin for the Treatment of Genotype-1 Chronic Hepatitis C Virus (HCV) Infection (GS-US-196-0103)

Summary

| | |
|--------------------------|-------------------|
| EudraCT number | 2008-004527-31 |
| Trial protocol | IE GB DE BE |
| Global end of trial date | 05 September 2013 |

Results information

| | |
|--------------------------------|----------------|
| Result version number | v1 (current) |
| This version publication date | 22 March 2016 |
| First version publication date | 05 August 2015 |

Trial information

Trial identification

| | |
|-----------------------|----------------|
| Sponsor protocol code | GS-US-196-0103 |
|-----------------------|----------------|

Additional study identifiers

| | |
|------------------------------------|-------------|
| ISRCTN number | - |
| ClinicalTrials.gov id (NCT number) | NCT00743795 |
| WHO universal trial number (UTN) | - |

Notes:

Sponsors

| | |
|------------------------------|---|
| Sponsor organisation name | Gilead Sciences |
| Sponsor organisation address | 333 Lakeside Drive, Foster City, CA, United States, 94404 |
| Public contact | Clinical Trial Mailbox, Gilead Sciences International Ltd, ClinicalTrialDisclosures@gilead.com |
| Scientific contact | Clinical Trial Mailbox, Gilead Sciences International Ltd, ClinicalTrialDisclosures@gilead.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 | 05 September 2013 |
| Is this the analysis of the primary completion data? | No |
| Global end of trial reached? | Yes |
| Global end of trial date | 05 September 2013 |
| Was the trial ended prematurely? | No |

Notes:

General information about the trial

Main objective of the trial:

This study compared the antiviral activity, safety, and tolerability of tegobuvir (TGV; formerly GS-9190) versus placebo, in combination with peginterferon alfa 2a (PEG) and ribavirin (RBV) for the treatment of chronic genotype 1 hepatitis C virus (HCV) infection.

Protection of trial subjects:

The protocol and consent/assent forms were submitted by each investigator to a duly constituted Independent Ethics Committee (IEC) or Institutional Review Board (IRB) for review and approval before study initiation. All revisions to the consent/assent forms (if applicable) after initial IEC/IRB approval were submitted by the investigator to the IEC/IRB for review and approval before implementation in accordance with regulatory requirements.

This study was conducted in accordance with recognized international scientific and ethical standards, including but not limited to the International Conference on Harmonization guideline for Good Clinical Practice (ICH GCP) and the original principles embodied in the Declaration of Helsinki.

Background therapy: -

Evidence for comparator: -

| | |
|---|-----------------|
| Actual start date of recruitment | 07 October 2008 |
| Long term follow-up planned | Yes |
| Long term follow-up rationale | Efficacy |
| Long term follow-up duration | 3 Years |
| Independent data monitoring committee (IDMC) involvement? | Yes |

Notes:

Population of trial subjects

Subjects enrolled per country

| | |
|--------------------------------------|--------------------|
| Country: Number of subjects enrolled | Poland: 31 |
| Country: Number of subjects enrolled | United Kingdom: 3 |
| Country: Number of subjects enrolled | Belgium: 8 |
| Country: Number of subjects enrolled | Germany: 11 |
| Country: Number of subjects enrolled | Ireland: 5 |
| Country: Number of subjects enrolled | Puerto Rico: 8 |
| Country: Number of subjects enrolled | United States: 186 |
| Worldwide total number of subjects | 252 |
| EEA total number of subjects | 58 |

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) | 249 |
| From 65 to 84 years | 3 |
| 85 years and over | 0 |

Subject disposition

Recruitment

Recruitment details:

Participants were enrolled at study sites in the United States and Europe. The first participant was screened on 07 October 2008. The last study visit occurred on 05 September 2013.

Pre-assignment

Screening details:

Participants were evaluated at a screening visit, and eligible participants were randomized at a 1:2:1 ratio into 1 of 3 treatment groups.

Period 1

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

Arms

| | |
|------------------------------|-------------------|
| Are arms mutually exclusive? | Yes |
| Arm title | Placebo (Group 1) |

Arm description:

Placebo to match tegobuvir (TGV) + peginterferon alfa 2a (PEG) + ribavirin (RBV) for 48 weeks

| | |
|--|-------------------|
| Arm type | Placebo |
| Investigational medicinal product name | Tegobuvir placebo |
| Investigational medicinal product code | |
| Other name | |
| Pharmaceutical forms | Capsule |
| Routes of administration | Oral use |

Dosage and administration details:

Placebo to match tegobuvir capsules administered orally twice daily

| | |
|--|--|
| Investigational medicinal product name | Peginterferon alfa 2a |
| Investigational medicinal product code | |
| Other name | Pegasys® |
| Pharmaceutical forms | Suspension for injection in pre-filled pen |
| Routes of administration | Subcutaneous use |

Dosage and administration details:

Peginterferon alfa 2a (PEG) 180 µg administered subcutaneously weekly as 180 µg/0.5 mL prefilled syringes

| | |
|--|-----------|
| Investigational medicinal product name | Ribavirin |
| Investigational medicinal product code | |
| Other name | Copegus® |
| Pharmaceutical forms | Tablet |
| Routes of administration | Oral use |

Dosage and administration details:

Ribavirin (RBV) 200 mg tablets administered orally in a divided daily dose according to package insert weight-based dosing recommendations (< 75 kg = 1000 mg and ≥ 75 kg = 1200 mg)

| | |
|------------------|---------------|
| Arm title | TGV (Group 2) |
|------------------|---------------|

Arm description:
TGV+PEG+RBV for 48 weeks

| | |
|--|--------------|
| Arm type | Experimental |
| Investigational medicinal product name | Tegobuvir |
| Investigational medicinal product code | |
| Other name | GS-9190 |
| Pharmaceutical forms | Capsule |
| Routes of administration | Oral use |

Dosage and administration details:

Tegobuvir (TGV) 40 mg capsules administered orally twice daily

| | |
|--|--|
| Investigational medicinal product name | Peginterferon alfa 2a |
| Investigational medicinal product code | |
| Other name | Pegasys® |
| Pharmaceutical forms | Suspension for injection in pre-filled pen |
| Routes of administration | Subcutaneous use |

Dosage and administration details:

Peginterferon alfa 2a (PEG) 180 µg administered subcutaneously weekly as 180 µg/0.5 mL prefilled syringes

| | |
|--|-----------|
| Investigational medicinal product name | Ribavirin |
| Investigational medicinal product code | |
| Other name | Copegus® |
| Pharmaceutical forms | Tablet |
| Routes of administration | Oral use |

Dosage and administration details:

Ribavirin (RBV) 200 mg tablets administered orally in a divided daily dose according to package insert weight-based dosing recommendations (< 75 kg = 1000 mg and ≥ 75 kg = 1200 mg)

| | |
|------------------|---------------------------------------|
| Arm title | TGV Response-Guided Therapy (Group 3) |
|------------------|---------------------------------------|

Arm description:

TGV+PEG+RBV for 24 or 48 weeks; Participants who had HCV RNA < 25 IU/mL at Week 4 and undetectable HCV RNA (< 10 IU/mL) at Week 12 through Week 24 stopped all study drugs at Week 24.

| | |
|--|--------------|
| Arm type | Experimental |
| Investigational medicinal product name | Tegobuvir |
| Investigational medicinal product code | |
| Other name | GS-9190 |
| Pharmaceutical forms | Capsule |
| Routes of administration | Oral use |

Dosage and administration details:

Tegobuvir (TGV) 40 mg capsules administered orally twice daily

| | |
|--|--|
| Investigational medicinal product name | Peginterferon alfa 2a |
| Investigational medicinal product code | |
| Other name | Pegasys® |
| Pharmaceutical forms | Suspension for injection in pre-filled pen |
| Routes of administration | Subcutaneous use |

Dosage and administration details:

Peginterferon alfa 2a (PEG) 180 µg administered subcutaneously weekly as 180 µg/0.5 mL prefilled syringes

| | |
|--|-----------|
| Investigational medicinal product name | Ribavirin |
| Investigational medicinal product code | |
| Other name | Copegus® |
| Pharmaceutical forms | Tablet |
| Routes of administration | Oral use |

Dosage and administration details:

Ribavirin (RBV) 200 mg tablets administered orally in a divided daily dose according to package insert weight-based dosing recommendations (< 75 kg = 1000 mg and ≥ 75 kg = 1200 mg)

| Number of subjects in period 1 | Placebo (Group 1) | TGV (Group 2) | TGV Response-Guided Therapy (Group 3) |
|---|-------------------|---------------|---------------------------------------|
| | | | |
| Started | 64 | 126 | 62 |
| Completed | 34 | 63 | 32 |
| Not completed | 30 | 63 | 30 |
| Safety, tolerability, or efficacy reasons | 26 | 53 | 25 |
| Lost to follow-up | 2 | 4 | 3 |
| Withdrew consent | 1 | 5 | 1 |
| Investigator's discretion | 1 | 1 | 1 |

Baseline characteristics

Reporting groups

| | |
|-----------------------|---------------|
| Reporting group title | Overall study |
|-----------------------|---------------|

Reporting group description: -

| Reporting group values | Overall study | Total | |
|------------------------|---------------|-------|--|
| Number of subjects | 252 | 252 | |
| Age categorical | | | |
| Units: Subjects | | | |

| | | | |
|-------------------------------------|--------|-----|--|
| Age continuous | | | |
| Units: years | | | |
| arithmetic mean | 47 | | |
| standard deviation | ± 10.3 | - | |
| Gender categorical | | | |
| Units: Subjects | | | |
| Female | 100 | 100 | |
| Male | 152 | 152 | |
| Race | | | |
| Units: Subjects | | | |
| White | 215 | 215 | |
| Black | 20 | 20 | |
| Asian | 6 | 6 | |
| Other | 6 | 6 | |
| American Indian or Alaska Native | 4 | 4 | |
| Native Hawaiian or Pacific Islander | 1 | 1 | |
| Ethnicity | | | |
| Units: Subjects | | | |
| Non-Hispanic/Latino | 210 | 210 | |
| Hispanic/Latino | 42 | 42 | |
| Genotype | | | |
| Units: Subjects | | | |
| 1a | 143 | 143 | |
| 1b | 108 | 108 | |
| 6e | 1 | 1 | |
| HCV RNA | | | |
| Units: log10 IU/mL | | | |
| arithmetic mean | 6.3 | | |
| standard deviation | ± 0.73 | - | |

Subject analysis sets

| | |
|----------------------------|-----|
| Subject analysis set title | TGV |
|----------------------------|-----|

| | |
|---------------------------|--------------------|
| Subject analysis set type | Sub-group analysis |
|---------------------------|--------------------|

Subject analysis set description:

Participants in Groups 2 and 3 who received TGV+PEG+RBV for 24 or 48 weeks were included.

| | |
|----------------------------|--------------------|
| Subject analysis set title | Placebo |
| Subject analysis set type | Sub-group analysis |

Subject analysis set description:

Participants in Group 1 who received placebo to match TGV+PEG+RBV for 48 weeks were included.

| Reporting group values | TGV | Placebo | |
|-------------------------------|-----|---------|--|
| Number of subjects | 188 | 64 | |
| Age categorical | | | |
| Units: Subjects | | | |

| | | | |
|-------------------------------------|--------|--------|--|
| Age continuous | | | |
| Units: years | | | |
| arithmetic mean | 47 | 47 | |
| standard deviation | ± 10.4 | ± 10 | |
| Gender categorical | | | |
| Units: Subjects | | | |
| Female | 69 | 31 | |
| Male | 119 | 33 | |
| Race | | | |
| Units: Subjects | | | |
| White | 160 | 55 | |
| Black | 15 | 5 | |
| Asian | 5 | 1 | |
| Other | 4 | 2 | |
| American Indian or Alaska Native | 4 | 0 | |
| Native Hawaiian or Pacific Islander | 0 | 1 | |
| Ethnicity | | | |
| Units: Subjects | | | |
| Non-Hispanic/Latino | 156 | 54 | |
| Hispanic/Latino | 32 | 10 | |
| Genotype | | | |
| Units: Subjects | | | |
| 1a | 106 | 37 | |
| 1b | 81 | 27 | |
| 6e | 1 | 0 | |
| HCV RNA | | | |
| Units: log10 IU/mL | | | |
| arithmetic mean | 6.3 | 6.3 | |
| standard deviation | ± 0.73 | ± 0.73 | |

End points

End points reporting groups

| | |
|---|-------------------|
| Reporting group title | Placebo (Group 1) |
| Reporting group description: Placebo to match tegobuvir (TGV) + peginterferon alfa 2a (PEG) + ribavirin (RBV) for 48 weeks | |

| | |
|--|---------------|
| Reporting group title | TGV (Group 2) |
| Reporting group description: TGV+PEG+RBV for 48 weeks | |

| | |
|--|---------------------------------------|
| Reporting group title | TGV Response-Guided Therapy (Group 3) |
| Reporting group description: TGV+PEG+RBV for 24 or 48 weeks; Participants who had HCV RNA < 25 IU/mL at Week 4 and undetectable HCV RNA (< 10 IU/mL) at Week 12 through Week 24 stopped all study drugs at Week 24. | |

| | |
|--|--------------------|
| Subject analysis set title | TGV |
| Subject analysis set type | Sub-group analysis |
| Subject analysis set description: Participants in Groups 2 and 3 who received TGV+PEG+RBV for 24 or 48 weeks were included. | |

| | |
|--|--------------------|
| Subject analysis set title | Placebo |
| Subject analysis set type | Sub-group analysis |
| Subject analysis set description: Participants in Group 1 who received placebo to match TGV+PEG+RBV for 48 weeks were included. | |

Primary: Percentage of participants with complete early virologic response (cEVR)

| | |
|--|--|
| End point title | Percentage of participants with complete early virologic response (cEVR) |
| End point description: cEVR was defined as undetectable HCV RNA at Week 12. | |
| End point type | Primary |
| End point timeframe: Week 12 | |

| End point values | TGV | Placebo | | |
|-----------------------------------|----------------------|----------------------|--|--|
| Subject group type | Subject analysis set | Subject analysis set | | |
| Number of subjects analysed | 187 | 64 | | |
| Units: percentage of participants | | | | |
| number (not applicable) | 66.8 | 46.9 | | |

Statistical analyses

| | |
|---|--------------------------------|
| Statistical analysis title | P-value between TGV vs placebo |
| Comparison groups | TGV v Placebo |
| Number of subjects included in analysis | 251 |
| Analysis specification | Pre-specified |
| Analysis type | superiority |
| P-value | = 0.002 ^[1] |
| Method | Cochran-Mantel-Haenszel |

Notes:

[1] - P-value was determined from the Cochran-Mantel-Haenszel (CMH) test statistic for stratified proportions. Stratification was based on plasma HCV RNA level (< or ≥ 400,000 IU/mL at screening).

Primary: Percentage of participants who discontinued study drug due to an adverse event

| | |
|-----------------|---|
| End point title | Percentage of participants who discontinued study drug due to an adverse event ^[2] |
|-----------------|---|

End point description:

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

End point timeframe:

Up to 48 weeks

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 hypothesis testing was planned or performed for this endpoint.

| End point values | TGV | Placebo | | |
|-----------------------------------|----------------------|----------------------|--|--|
| Subject group type | Subject analysis set | Subject analysis set | | |
| Number of subjects analysed | 188 | 64 | | |
| Units: percentage of participants | | | | |
| number (not applicable) | 16.5 | 15.6 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Percentage of participants with rapid virologic response (RVR) at Week 4

| | |
|-----------------|--|
| End point title | Percentage of participants with rapid virologic response (RVR) at Week 4 |
|-----------------|--|

End point description:

RVR was defined as HCV RNA < 25 IU/mL.

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

End point timeframe:

Week 4

| End point values | TGV | Placebo | | |
|-----------------------------------|----------------------|----------------------|--|--|
| Subject group type | Subject analysis set | Subject analysis set | | |
| Number of subjects analysed | 187 | 64 | | |
| Units: percentage of participants | | | | |
| number (not applicable) | 54.5 | 20.3 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Percentage of participants with complete rapid virologic response (cRVR)

| | |
|-----------------|--|
| End point title | Percentage of participants with complete rapid virologic response (cRVR) |
|-----------------|--|

End point description:

cRVR was defined as HCV RNA < 25 IU/mL at Week 4 and < 10 IU/mL at Weeks 12, 20, and 24.

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

End point timeframe:

Up to 24 weeks

| End point values | TGV | Placebo | | |
|-----------------------------------|----------------------|----------------------|--|--|
| Subject group type | Subject analysis set | Subject analysis set | | |
| Number of subjects analysed | 187 | 64 | | |
| Units: percentage of participants | | | | |
| number (not applicable) | 46.5 | 18.8 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Percentage of participants with virological suppression below the limit of assay detection (ie, HCV RNA < 10 IU/mL) at Weeks 24 and 48

| | |
|-----------------|--|
| End point title | Percentage of participants with virological suppression below the limit of assay detection (ie, HCV RNA < 10 IU/mL) at Weeks 24 and 48 |
|-----------------|--|

End point description:

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

End point timeframe:

Weeks 24 and 48

| End point values | TGV | Placebo | | |
|-----------------------------------|----------------------|----------------------|--|--|
| Subject group type | Subject analysis set | Subject analysis set | | |
| Number of subjects analysed | 187 | 64 | | |
| Units: percentage of participants | | | | |
| number (not applicable) | | | | |
| Week 24 | 67.9 | 70.3 | | |
| Week 48 | 63.1 | 65.6 | | |

Statistical analyses

No statistical analyses for this end point

Secondary: Percentage of participants with sustained virologic response (SVR)

| | |
|-----------------|--|
| End point title | Percentage of participants with sustained virologic response (SVR) |
|-----------------|--|

End point description:

SVR was defined as HCV RNA < 10 IU/mL 24 weeks following the last dose of study drug.

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

End point timeframe:

Posttreatment Week 24

| End point values | TGV | Placebo | | |
|-----------------------------------|----------------------|----------------------|--|--|
| Subject group type | Subject analysis set | Subject analysis set | | |
| Number of subjects analysed | 187 | 64 | | |
| Units: percentage of participants | | | | |
| number (not applicable) | 55.6 | 56.3 | | |

Statistical analyses

No statistical analyses for this end point

Adverse events

Adverse events information

Timeframe for reporting adverse events:

Up to 48 weeks plus 30 days

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

Dictionary used

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

| | |
|--------------------|----|
| Dictionary version | 10 |
|--------------------|----|

Reporting groups

| | |
|-----------------------|-------------------|
| Reporting group title | Placebo (Group 1) |
|-----------------------|-------------------|

Reporting group description:

Placebo to match TGV+PEG+RBV for 48 weeks

| | |
|-----------------------|---------------|
| Reporting group title | TGV (Group 2) |
|-----------------------|---------------|

Reporting group description:

TGV+PEG+RBV for 48 weeks

| | |
|-----------------------|-------------------------|
| Reporting group title | TGV (Group 3, 48 weeks) |
|-----------------------|-------------------------|

Reporting group description:

TGV+PEG+RBV for 48 weeks

| | |
|-----------------------|-------------------------|
| Reporting group title | TGV (Group 3, 24 weeks) |
|-----------------------|-------------------------|

Reporting group description:

TGV+PEG+RBV for 24 weeks; Participants in Group 3 who had HCV RNA < 25 IU/mL at Week 4 and undetectable HCV RNA (< 10 IU/mL) at Week 12 through Week 24 stopped all study drugs at Week 24.

| Serious adverse events | Placebo (Group 1) | TGV (Group 2) | TGV (Group 3, 48 weeks) |
|---|-------------------|-----------------|-------------------------|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 3 / 64 (4.69%) | 5 / 126 (3.97%) | 4 / 37 (10.81%) |
| number of deaths (all causes) | 0 | 1 | 0 |
| number of deaths resulting from adverse events | 0 | 0 | 0 |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) | | | |
| Lung neoplasm malignant | | | |
| subjects affected / exposed | 0 / 64 (0.00%) | 0 / 126 (0.00%) | 1 / 37 (2.70%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Injury, poisoning and procedural complications | | | |
| Crush injury | | | |
| subjects affected / exposed | 0 / 64 (0.00%) | 1 / 126 (0.79%) | 0 / 37 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Femur fracture | | | |

| | | | |
|--|----------------|-----------------|----------------|
| subjects affected / exposed | 1 / 64 (1.56%) | 0 / 126 (0.00%) | 0 / 37 (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 | | | |
| Circulatory collapse | | | |
| subjects affected / exposed | 0 / 64 (0.00%) | 1 / 126 (0.79%) | 0 / 37 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 1 | 0 / 0 |
| Nervous system disorders | | | |
| Convulsion | | | |
| subjects affected / exposed | 0 / 64 (0.00%) | 1 / 126 (0.79%) | 0 / 37 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| General disorders and administration site conditions | | | |
| Chest pain | | | |
| subjects affected / exposed | 1 / 64 (1.56%) | 0 / 126 (0.00%) | 0 / 37 (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 |
| Systemic inflammatory response syndrome | | | |
| subjects affected / exposed | 0 / 64 (0.00%) | 1 / 126 (0.79%) | 0 / 37 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Eye disorders | | | |
| Retinal vein occlusion | | | |
| subjects affected / exposed | 0 / 64 (0.00%) | 0 / 126 (0.00%) | 1 / 37 (2.70%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 1 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Social circumstances | | | |
| Drug abuser | | | |
| subjects affected / exposed | 1 / 64 (1.56%) | 0 / 126 (0.00%) | 0 / 37 (0.00%) |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Respiratory, thoracic and mediastinal disorders | | | |

| | | | |
|---|----------------|-----------------|----------------|
| Asthma | | | |
| subjects affected / exposed | 0 / 64 (0.00%) | 1 / 126 (0.79%) | 0 / 37 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Psychiatric disorders | | | |
| Disorientation | | | |
| subjects affected / exposed | 0 / 64 (0.00%) | 0 / 126 (0.00%) | 1 / 37 (2.70%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 1 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Suicidal ideation | | | |
| subjects affected / exposed | 1 / 64 (1.56%) | 0 / 126 (0.00%) | 0 / 37 (0.00%) |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Musculoskeletal and connective tissue disorders | | | |
| Muscular weakness | | | |
| subjects affected / exposed | 0 / 64 (0.00%) | 0 / 126 (0.00%) | 1 / 37 (2.70%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 1 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Infections and infestations | | | |
| Bronchitis | | | |
| subjects affected / exposed | 0 / 64 (0.00%) | 1 / 126 (0.79%) | 0 / 37 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Pneumonia | | | |
| subjects affected / exposed | 0 / 64 (0.00%) | 1 / 126 (0.79%) | 0 / 37 (0.00%) |
| occurrences causally related to treatment / all | 0 / 0 | 1 / 1 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Viral infection | | | |
| subjects affected / exposed | 0 / 64 (0.00%) | 0 / 126 (0.00%) | 1 / 37 (2.70%) |
| occurrences causally related to treatment / all | 0 / 0 | 0 / 0 | 1 / 1 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |
| Metabolism and nutrition disorders | | | |
| Dehydration | | | |

| | | | |
|---|----------------|-----------------|----------------|
| subjects affected / exposed | 1 / 64 (1.56%) | 0 / 126 (0.00%) | 0 / 37 (0.00%) |
| occurrences causally related to treatment / all | 1 / 1 | 0 / 0 | 0 / 0 |
| deaths causally related to treatment / all | 0 / 0 | 0 / 0 | 0 / 0 |

| | | | |
|---|-------------------------|--|--|
| Serious adverse events | TGV (Group 3, 24 weeks) | | |
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 0 / 25 (0.00%) | | |
| number of deaths (all causes) | 0 | | |
| number of deaths resulting from adverse events | 0 | | |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) | | | |
| Lung neoplasm malignant | | | |
| subjects affected / exposed | 0 / 25 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Injury, poisoning and procedural complications | | | |
| Crush injury | | | |
| subjects affected / exposed | 0 / 25 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Femur fracture | | | |
| subjects affected / exposed | 0 / 25 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Vascular disorders | | | |
| Circulatory collapse | | | |
| subjects affected / exposed | 0 / 25 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Nervous system disorders | | | |
| Convulsion | | | |
| subjects affected / exposed | 0 / 25 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| General disorders and administration site conditions | | | |

| | | | |
|---|----------------|--|--|
| Chest pain | | | |
| subjects affected / exposed | 0 / 25 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Systemic inflammatory response syndrome | | | |
| subjects affected / exposed | 0 / 25 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Eye disorders | | | |
| Retinal vein occlusion | | | |
| subjects affected / exposed | 0 / 25 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Social circumstances | | | |
| Drug abuser | | | |
| subjects affected / exposed | 0 / 25 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Respiratory, thoracic and mediastinal disorders | | | |
| Asthma | | | |
| subjects affected / exposed | 0 / 25 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Psychiatric disorders | | | |
| Disorientation | | | |
| subjects affected / exposed | 0 / 25 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Suicidal ideation | | | |
| subjects affected / exposed | 0 / 25 (0.00%) | | |
| occurrences causally related to treatment / all | 0 / 0 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Musculoskeletal and connective tissue disorders | | | |

| | | | |
|---|----------------------------------|--|--|
| Muscular weakness subjects affected / exposed occurrences causally related to treatment / all deaths causally related to treatment / all | 0 / 25 (0.00%) 0 / 0 0 / 0 | | |
| Infections and infestations | | | |
| Bronchitis subjects affected / exposed occurrences causally related to treatment / all deaths causally related to treatment / all | 0 / 25 (0.00%) 0 / 0 0 / 0 | | |
| Pneumonia subjects affected / exposed occurrences causally related to treatment / all deaths causally related to treatment / all | 0 / 25 (0.00%) 0 / 0 0 / 0 | | |
| Viral infection subjects affected / exposed occurrences causally related to treatment / all deaths causally related to treatment / all | 0 / 25 (0.00%) 0 / 0 0 / 0 | | |
| Metabolism and nutrition disorders | | | |
| Dehydration subjects affected / exposed occurrences causally related to treatment / all deaths causally related to treatment / all | 0 / 25 (0.00%) 0 / 0 0 / 0 | | |

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

| Non-serious adverse events | Placebo (Group 1) | TGV (Group 2) | TGV (Group 3, 48 weeks) |
|--|---------------------|------------------------|-------------------------|
| Total subjects affected by non-serious adverse events subjects affected / exposed | 60 / 64 (93.75%) | 120 / 126 (95.24%) | 35 / 37 (94.59%) |
| Vascular disorders | | | |
| Hypertension subjects affected / exposed occurrences (all) | 5 / 64 (7.81%) 5 | 10 / 126 (7.94%) 10 | 1 / 37 (2.70%) 1 |
| General disorders and administration site conditions | | | |
| Fatigue | | | |

| | | | |
|---|------------------|-------------------|------------------|
| subjects affected / exposed | 27 / 64 (42.19%) | 52 / 126 (41.27%) | 17 / 37 (45.95%) |
| occurrences (all) | 27 | 56 | 17 |
| Influenza like illness | | | |
| subjects affected / exposed | 13 / 64 (20.31%) | 34 / 126 (26.98%) | 2 / 37 (5.41%) |
| occurrences (all) | 14 | 39 | 2 |
| Pyrexia | | | |
| subjects affected / exposed | 4 / 64 (6.25%) | 36 / 126 (28.57%) | 10 / 37 (27.03%) |
| occurrences (all) | 5 | 43 | 11 |
| Irritability | | | |
| subjects affected / exposed | 13 / 64 (20.31%) | 24 / 126 (19.05%) | 10 / 37 (27.03%) |
| occurrences (all) | 15 | 24 | 11 |
| Chills | | | |
| subjects affected / exposed | 7 / 64 (10.94%) | 15 / 126 (11.90%) | 13 / 37 (35.14%) |
| occurrences (all) | 9 | 16 | 14 |
| Asthenia | | | |
| subjects affected / exposed | 2 / 64 (3.13%) | 18 / 126 (14.29%) | 2 / 37 (5.41%) |
| occurrences (all) | 2 | 20 | 3 |
| Pain | | | |
| subjects affected / exposed | 6 / 64 (9.38%) | 11 / 126 (8.73%) | 4 / 37 (10.81%) |
| occurrences (all) | 6 | 11 | 4 |
| Injection site erythema | | | |
| subjects affected / exposed | 2 / 64 (3.13%) | 8 / 126 (6.35%) | 8 / 37 (21.62%) |
| occurrences (all) | 2 | 8 | 8 |
| Injection site reaction | | | |
| subjects affected / exposed | 3 / 64 (4.69%) | 8 / 126 (6.35%) | 1 / 37 (2.70%) |
| occurrences (all) | 3 | 9 | 1 |
| Respiratory, thoracic and mediastinal disorders | | | |
| Cough | | | |
| subjects affected / exposed | 7 / 64 (10.94%) | 25 / 126 (19.84%) | 8 / 37 (21.62%) |
| occurrences (all) | 7 | 25 | 9 |
| Dyspnoea | | | |
| subjects affected / exposed | 11 / 64 (17.19%) | 16 / 126 (12.70%) | 4 / 37 (10.81%) |
| occurrences (all) | 11 | 16 | 4 |
| Dyspnoea exertional | | | |

| | | | |
|----------------------------------|------------------|-------------------|------------------|
| subjects affected / exposed | 4 / 64 (6.25%) | 12 / 126 (9.52%) | 2 / 37 (5.41%) |
| occurrences (all) | 4 | 12 | 2 |
| Pharyngolaryngeal pain | | | |
| subjects affected / exposed | 3 / 64 (4.69%) | 10 / 126 (7.94%) | 2 / 37 (5.41%) |
| occurrences (all) | 3 | 10 | 2 |
| Productive cough | | | |
| subjects affected / exposed | 3 / 64 (4.69%) | 8 / 126 (6.35%) | 2 / 37 (5.41%) |
| occurrences (all) | 3 | 8 | 2 |
| Nasal congestion | | | |
| subjects affected / exposed | 1 / 64 (1.56%) | 7 / 126 (5.56%) | 0 / 37 (0.00%) |
| occurrences (all) | 1 | 7 | 0 |
| Respiratory tract congestion | | | |
| subjects affected / exposed | 1 / 64 (1.56%) | 3 / 126 (2.38%) | 2 / 37 (5.41%) |
| occurrences (all) | 1 | 3 | 2 |
| Increased upper airway secretion | | | |
| subjects affected / exposed | 0 / 64 (0.00%) | 0 / 126 (0.00%) | 2 / 37 (5.41%) |
| occurrences (all) | 0 | 0 | 2 |
| Psychiatric disorders | | | |
| Insomnia | | | |
| subjects affected / exposed | 20 / 64 (31.25%) | 38 / 126 (30.16%) | 13 / 37 (35.14%) |
| occurrences (all) | 20 | 40 | 14 |
| Depression | | | |
| subjects affected / exposed | 13 / 64 (20.31%) | 28 / 126 (22.22%) | 9 / 37 (24.32%) |
| occurrences (all) | 13 | 29 | 9 |
| Anxiety | | | |
| subjects affected / exposed | 12 / 64 (18.75%) | 20 / 126 (15.87%) | 5 / 37 (13.51%) |
| occurrences (all) | 13 | 21 | 5 |
| Investigations | | | |
| Weight decreased | | | |
| subjects affected / exposed | 7 / 64 (10.94%) | 12 / 126 (9.52%) | 3 / 37 (8.11%) |
| occurrences (all) | 7 | 12 | 3 |
| Nervous system disorders | | | |
| Headache | | | |
| subjects affected / exposed | 20 / 64 (31.25%) | 56 / 126 (44.44%) | 15 / 37 (40.54%) |
| occurrences (all) | 25 | 64 | 31 |
| Dizziness | | | |

| | | | |
|--|------------------------|-------------------------|------------------------|
| subjects affected / exposed occurrences (all) | 6 / 64 (9.38%) 6 | 12 / 126 (9.52%) 14 | 6 / 37 (16.22%) 7 |
| Dysgeusia subjects affected / exposed occurrences (all) | 2 / 64 (3.13%) 2 | 12 / 126 (9.52%) 12 | 1 / 37 (2.70%) 1 |
| Migraine subjects affected / exposed occurrences (all) | 2 / 64 (3.13%) 2 | 4 / 126 (3.17%) 4 | 1 / 37 (2.70%) 1 |
| Hypoaesthesia subjects affected / exposed occurrences (all) | 1 / 64 (1.56%) 1 | 3 / 126 (2.38%) 3 | 2 / 37 (5.41%) 2 |
| Paraesthesia subjects affected / exposed occurrences (all) | 1 / 64 (1.56%) 1 | 2 / 126 (1.59%) 3 | 0 / 37 (0.00%) 0 |
| Blood and lymphatic system disorders | | | |
| Neutropenia subjects affected / exposed occurrences (all) | 19 / 64 (29.69%) 23 | 40 / 126 (31.75%) 58 | 8 / 37 (21.62%) 12 |
| Anaemia subjects affected / exposed occurrences (all) | 20 / 64 (31.25%) 25 | 33 / 126 (26.19%) 36 | 6 / 37 (16.22%) 6 |
| Lymphopenia subjects affected / exposed occurrences (all) | 1 / 64 (1.56%) 1 | 4 / 126 (3.17%) 4 | 2 / 37 (5.41%) 2 |
| Eye disorders | | | |
| Vision blurred subjects affected / exposed occurrences (all) | 1 / 64 (1.56%) 1 | 4 / 126 (3.17%) 4 | 2 / 37 (5.41%) 2 |
| Eye pain subjects affected / exposed occurrences (all) | 0 / 64 (0.00%) 0 | 1 / 126 (0.79%) 1 | 3 / 37 (8.11%) 4 |
| Gastrointestinal disorders | | | |
| Nausea subjects affected / exposed occurrences (all) | 14 / 64 (21.88%) 17 | 27 / 126 (21.43%) 27 | 15 / 37 (40.54%) 16 |
| Diarrhoea | | | |

| | | | |
|--|------------------|-------------------|-----------------|
| subjects affected / exposed | 10 / 64 (15.63%) | 25 / 126 (19.84%) | 8 / 37 (21.62%) |
| occurrences (all) | 10 | 28 | 9 |
| Dyspepsia | | | |
| subjects affected / exposed | 8 / 64 (12.50%) | 7 / 126 (5.56%) | 2 / 37 (5.41%) |
| occurrences (all) | 10 | 8 | 2 |
| Vomiting | | | |
| subjects affected / exposed | 2 / 64 (3.13%) | 8 / 126 (6.35%) | 5 / 37 (13.51%) |
| occurrences (all) | 2 | 10 | 6 |
| Abdominal pain upper | | | |
| subjects affected / exposed | 3 / 64 (4.69%) | 9 / 126 (7.14%) | 2 / 37 (5.41%) |
| occurrences (all) | 3 | 10 | 2 |
| Constipation | | | |
| subjects affected / exposed | 3 / 64 (4.69%) | 7 / 126 (5.56%) | 3 / 37 (8.11%) |
| occurrences (all) | 3 | 7 | 3 |
| Dry mouth | | | |
| subjects affected / exposed | 2 / 64 (3.13%) | 8 / 126 (6.35%) | 2 / 37 (5.41%) |
| occurrences (all) | 2 | 8 | 2 |
| Gastroesophageal reflux disease | | | |
| subjects affected / exposed | 2 / 64 (3.13%) | 8 / 126 (6.35%) | 3 / 37 (8.11%) |
| occurrences (all) | 2 | 8 | 3 |
| Abdominal pain | | | |
| subjects affected / exposed | 2 / 64 (3.13%) | 4 / 126 (3.17%) | 3 / 37 (8.11%) |
| occurrences (all) | 2 | 4 | 3 |
| Stomatitis | | | |
| subjects affected / exposed | 2 / 64 (3.13%) | 5 / 126 (3.97%) | 2 / 37 (5.41%) |
| occurrences (all) | 2 | 5 | 2 |
| Cheilitis | | | |
| subjects affected / exposed | 0 / 64 (0.00%) | 2 / 126 (1.59%) | 2 / 37 (5.41%) |
| occurrences (all) | 0 | 2 | 2 |
| Tongue discolouration | | | |
| subjects affected / exposed | 0 / 64 (0.00%) | 1 / 126 (0.79%) | 2 / 37 (5.41%) |
| occurrences (all) | 0 | 1 | 2 |
| Pruritus ani | | | |
| subjects affected / exposed | 0 / 64 (0.00%) | 0 / 126 (0.00%) | 2 / 37 (5.41%) |
| occurrences (all) | 0 | 0 | 2 |
| Skin and subcutaneous tissue disorders | | | |

| | | | |
|---|------------------|-------------------|------------------|
| Alopecia | | | |
| subjects affected / exposed | 10 / 64 (15.63%) | 34 / 126 (26.98%) | 11 / 37 (29.73%) |
| occurrences (all) | 11 | 34 | 11 |
| Pruritus | | | |
| subjects affected / exposed | 11 / 64 (17.19%) | 29 / 126 (23.02%) | 10 / 37 (27.03%) |
| occurrences (all) | 11 | 32 | 10 |
| Rash | | | |
| subjects affected / exposed | 11 / 64 (17.19%) | 24 / 126 (19.05%) | 10 / 37 (27.03%) |
| occurrences (all) | 12 | 31 | 11 |
| Dry skin | | | |
| subjects affected / exposed | 6 / 64 (9.38%) | 13 / 126 (10.32%) | 3 / 37 (8.11%) |
| occurrences (all) | 6 | 13 | 3 |
| Eczema | | | |
| subjects affected / exposed | 3 / 64 (4.69%) | 7 / 126 (5.56%) | 1 / 37 (2.70%) |
| occurrences (all) | 3 | 7 | 1 |
| Night sweats | | | |
| subjects affected / exposed | 4 / 64 (6.25%) | 2 / 126 (1.59%) | 1 / 37 (2.70%) |
| occurrences (all) | 4 | 2 | 1 |
| Rash generalised | | | |
| subjects affected / exposed | 4 / 64 (6.25%) | 0 / 126 (0.00%) | 1 / 37 (2.70%) |
| occurrences (all) | 4 | 0 | 1 |
| Musculoskeletal and connective tissue disorders | | | |
| Myalgia | | | |
| subjects affected / exposed | 6 / 64 (9.38%) | 27 / 126 (21.43%) | 7 / 37 (18.92%) |
| occurrences (all) | 6 | 28 | 10 |
| Arthralgia | | | |
| subjects affected / exposed | 5 / 64 (7.81%) | 20 / 126 (15.87%) | 5 / 37 (13.51%) |
| occurrences (all) | 5 | 21 | 7 |
| Back pain | | | |
| subjects affected / exposed | 5 / 64 (7.81%) | 19 / 126 (15.08%) | 2 / 37 (5.41%) |
| occurrences (all) | 5 | 20 | 2 |
| Muscle spasms | | | |
| subjects affected / exposed | 3 / 64 (4.69%) | 8 / 126 (6.35%) | 3 / 37 (8.11%) |
| occurrences (all) | 3 | 8 | 4 |
| Muscular weakness | | | |

| | | | |
|---|----------------------|-------------------------|----------------------|
| subjects affected / exposed occurrences (all) | 0 / 64 (0.00%) 0 | 2 / 126 (1.59%) 2 | 1 / 37 (2.70%) 1 |
| Infections and infestations | | | |
| Upper respiratory tract infection subjects affected / exposed occurrences (all) | 2 / 64 (3.13%) 3 | 6 / 126 (4.76%) 6 | 5 / 37 (13.51%) 5 |
| Urinary tract infection subjects affected / exposed occurrences (all) | 3 / 64 (4.69%) 3 | 6 / 126 (4.76%) 7 | 4 / 37 (10.81%) 4 |
| Bronchitis subjects affected / exposed occurrences (all) | 2 / 64 (3.13%) 2 | 5 / 126 (3.97%) 6 | 2 / 37 (5.41%) 2 |
| Metabolism and nutrition disorders | | | |
| Anorexia subjects affected / exposed occurrences (all) | 8 / 64 (12.50%) 8 | 14 / 126 (11.11%) 16 | 2 / 37 (5.41%) 2 |
| Decreased appetite subjects affected / exposed occurrences (all) | 2 / 64 (3.13%) 2 | 4 / 126 (3.17%) 4 | 3 / 37 (8.11%) 3 |

| | | | |
|--|-------------------------|--|--|
| Non-serious adverse events | TGV (Group 3, 24 weeks) | | |
| Total subjects affected by non-serious adverse events subjects affected / exposed | 23 / 25 (92.00%) | | |
| Vascular disorders | | | |
| Hypertension subjects affected / exposed occurrences (all) | 2 / 25 (8.00%) 3 | | |
| General disorders and administration site conditions | | | |
| Fatigue subjects affected / exposed occurrences (all) | 10 / 25 (40.00%) 11 | | |
| Influenza like illness subjects affected / exposed occurrences (all) | 7 / 25 (28.00%) 8 | | |
| Pyrexia | | | |

| | | | |
|---|------------------|--|--|
| subjects affected / exposed | 5 / 25 (20.00%) | | |
| occurrences (all) | 6 | | |
| Irritability | | | |
| subjects affected / exposed | 3 / 25 (12.00%) | | |
| occurrences (all) | 4 | | |
| Chills | | | |
| subjects affected / exposed | 2 / 25 (8.00%) | | |
| occurrences (all) | 2 | | |
| Asthenia | | | |
| subjects affected / exposed | 4 / 25 (16.00%) | | |
| occurrences (all) | 4 | | |
| Pain | | | |
| subjects affected / exposed | 1 / 25 (4.00%) | | |
| occurrences (all) | 1 | | |
| Injection site erythema | | | |
| subjects affected / exposed | 3 / 25 (12.00%) | | |
| occurrences (all) | 3 | | |
| Injection site reaction | | | |
| subjects affected / exposed | 0 / 25 (0.00%) | | |
| occurrences (all) | 0 | | |
| Respiratory, thoracic and mediastinal disorders | | | |
| Cough | | | |
| subjects affected / exposed | 10 / 25 (40.00%) | | |
| occurrences (all) | 10 | | |
| Dyspnoea | | | |
| subjects affected / exposed | 3 / 25 (12.00%) | | |
| occurrences (all) | 3 | | |
| Dyspnoea exertional | | | |
| subjects affected / exposed | 1 / 25 (4.00%) | | |
| occurrences (all) | 1 | | |
| Pharyngolaryngeal pain | | | |
| subjects affected / exposed | 3 / 25 (12.00%) | | |
| occurrences (all) | 3 | | |
| Productive cough | | | |

| | | | |
|--|-----------------------|--|--|
| subjects affected / exposed occurrences (all) | 0 / 25 (0.00%) 0 | | |
| Nasal congestion subjects affected / exposed occurrences (all) | 0 / 25 (0.00%) 0 | | |
| Respiratory tract congestion subjects affected / exposed occurrences (all) | 0 / 25 (0.00%) 0 | | |
| Increased upper airway secretion subjects affected / exposed occurrences (all) | 0 / 25 (0.00%) 0 | | |
| Psychiatric disorders Insomnia subjects affected / exposed occurrences (all) | 5 / 25 (20.00%) 5 | | |
| Depression subjects affected / exposed occurrences (all) | 2 / 25 (8.00%) 2 | | |
| Anxiety subjects affected / exposed occurrences (all) | 0 / 25 (0.00%) 0 | | |
| Investigations Weight decreased subjects affected / exposed occurrences (all) | 4 / 25 (16.00%) 4 | | |
| Nervous system disorders Headache subjects affected / exposed occurrences (all) | 9 / 25 (36.00%) 11 | | |
| Dizziness subjects affected / exposed occurrences (all) | 3 / 25 (12.00%) 3 | | |
| Dysgeusia subjects affected / exposed occurrences (all) | 1 / 25 (4.00%) 1 | | |
| Migraine | | | |

| | | | |
|--------------------------------------|-----------------|--|--|
| subjects affected / exposed | 2 / 25 (8.00%) | | |
| occurrences (all) | 2 | | |
| Hypoaesthesia | | | |
| subjects affected / exposed | 0 / 25 (0.00%) | | |
| occurrences (all) | 0 | | |
| Paraesthesia | | | |
| subjects affected / exposed | 2 / 25 (8.00%) | | |
| occurrences (all) | 2 | | |
| Blood and lymphatic system disorders | | | |
| Neutropenia | | | |
| subjects affected / exposed | 6 / 25 (24.00%) | | |
| occurrences (all) | 6 | | |
| Anaemia | | | |
| subjects affected / exposed | 5 / 25 (20.00%) | | |
| occurrences (all) | 6 | | |
| Lymphopenia | | | |
| subjects affected / exposed | 0 / 25 (0.00%) | | |
| occurrences (all) | 0 | | |
| Eye disorders | | | |
| Vision blurred | | | |
| subjects affected / exposed | 1 / 25 (4.00%) | | |
| occurrences (all) | 1 | | |
| Eye pain | | | |
| subjects affected / exposed | 1 / 25 (4.00%) | | |
| occurrences (all) | 1 | | |
| Gastrointestinal disorders | | | |
| Nausea | | | |
| subjects affected / exposed | 9 / 25 (36.00%) | | |
| occurrences (all) | 13 | | |
| Diarrhoea | | | |
| subjects affected / exposed | 4 / 25 (16.00%) | | |
| occurrences (all) | 7 | | |
| Dyspepsia | | | |
| subjects affected / exposed | 2 / 25 (8.00%) | | |
| occurrences (all) | 2 | | |
| Vomiting | | | |

| | | | |
|--|-----------------|--|--|
| subjects affected / exposed | 3 / 25 (12.00%) | | |
| occurrences (all) | 3 | | |
| Abdominal pain upper | | | |
| subjects affected / exposed | 1 / 25 (4.00%) | | |
| occurrences (all) | 1 | | |
| Constipation | | | |
| subjects affected / exposed | 1 / 25 (4.00%) | | |
| occurrences (all) | 1 | | |
| Dry mouth | | | |
| subjects affected / exposed | 1 / 25 (4.00%) | | |
| occurrences (all) | 1 | | |
| Gastroesophageal reflux disease | | | |
| subjects affected / exposed | 0 / 25 (0.00%) | | |
| occurrences (all) | 0 | | |
| Abdominal pain | | | |
| subjects affected / exposed | 3 / 25 (12.00%) | | |
| occurrences (all) | 4 | | |
| Stomatitis | | | |
| subjects affected / exposed | 1 / 25 (4.00%) | | |
| occurrences (all) | 1 | | |
| Cheilitis | | | |
| subjects affected / exposed | 0 / 25 (0.00%) | | |
| occurrences (all) | 0 | | |
| Tongue discolouration | | | |
| subjects affected / exposed | 0 / 25 (0.00%) | | |
| occurrences (all) | 0 | | |
| Pruritus ani | | | |
| subjects affected / exposed | 0 / 25 (0.00%) | | |
| occurrences (all) | 0 | | |
| Skin and subcutaneous tissue disorders | | | |
| Alopecia | | | |
| subjects affected / exposed | 9 / 25 (36.00%) | | |
| occurrences (all) | 9 | | |
| Pruritus | | | |
| subjects affected / exposed | 6 / 25 (24.00%) | | |
| occurrences (all) | 6 | | |

| | | | |
|---|-----------------|--|--|
| Rash | | | |
| subjects affected / exposed | 3 / 25 (12.00%) | | |
| occurrences (all) | 3 | | |
| Dry skin | | | |
| subjects affected / exposed | 2 / 25 (8.00%) | | |
| occurrences (all) | 2 | | |
| Eczema | | | |
| subjects affected / exposed | 2 / 25 (8.00%) | | |
| occurrences (all) | 2 | | |
| Night sweats | | | |
| subjects affected / exposed | 1 / 25 (4.00%) | | |
| occurrences (all) | 1 | | |
| Rash generalised | | | |
| subjects affected / exposed | 0 / 25 (0.00%) | | |
| occurrences (all) | 0 | | |
| Musculoskeletal and connective tissue disorders | | | |
| Myalgia | | | |
| subjects affected / exposed | 7 / 25 (28.00%) | | |
| occurrences (all) | 8 | | |
| Arthralgia | | | |
| subjects affected / exposed | 2 / 25 (8.00%) | | |
| occurrences (all) | 3 | | |
| Back pain | | | |
| subjects affected / exposed | 2 / 25 (8.00%) | | |
| occurrences (all) | 2 | | |
| Muscle spasms | | | |
| subjects affected / exposed | 3 / 25 (12.00%) | | |
| occurrences (all) | 4 | | |
| Muscular weakness | | | |
| subjects affected / exposed | 2 / 25 (8.00%) | | |
| occurrences (all) | 2 | | |
| Infections and infestations | | | |
| Upper respiratory tract infection | | | |
| subjects affected / exposed | 0 / 25 (0.00%) | | |
| occurrences (all) | 0 | | |
| Urinary tract infection | | | |

| | | | |
|--|----------------------|--|--|
| subjects affected / exposed occurrences (all) | 0 / 25 (0.00%) 0 | | |
| Bronchitis subjects affected / exposed occurrences (all) | 1 / 25 (4.00%) 1 | | |
| Metabolism and nutrition disorders | | | |
| Anorexia subjects affected / exposed occurrences (all) | 5 / 25 (20.00%) 5 | | |
| Decreased appetite subjects affected / exposed occurrences (all) | 2 / 25 (8.00%) 2 | | |

More information

Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date | Amendment |
|-----------------|---|
| 23 October 2008 | Subjects up to 70 years of age were allowed to enroll if all other eligibility criteria were met, sample size calculation was revised based on updated assumptions, and sustained virologic response (SVR) was removed as a coprimary endpoint and added as a secondary endpoint to better reflect the objectives of the study. |
| 20 March 2009 | The study exceeded the initial planned enrollment by approximately 25% and the protocol was amended to allow enrollment of 248 subjects. |
| 29 April 2009 | The HCV RNA stopping criteria for subjects in Arm 3 was updated to avoid ambiguity since there were some inconsistencies historically on the lower limit of detection reported for rapid virologic response (RVR). Subjects in Arm 3 stopped all therapy at Week 24 if they had HCV RNA < 25 IU/mL at Week 4 and undetectable HCV RNA (< 10 IU/mL) at Week 12 and maintained through Week 24. |

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.

There were no limitations affecting the analysis or results.

Notes: