



Clinical trial results:

A phase II study to assess engraftment and engraftment kinetics after double cord blood transplantation with a reduced-intensity conditioning regimen in patients eligible for allogeneic stem cell transplantation lacking a matched unrelated donor

Summary

| | |
|--------------------------|----------------|
| EudraCT number | 2008-000053-35 |
| Trial protocol | NL |
| Global end of trial date | 04 July 2017 |

Results information

| | |
|--------------------------------|---------------|
| Result version number | v1 (current) |
| This version publication date | 10 March 2022 |
| First version publication date | 10 March 2022 |

Trial information

Trial identification

| | |
|-----------------------|-------|
| Sponsor protocol code | HO106 |
|-----------------------|-------|

Additional study identifiers

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

Notes:

Sponsors

| | |
|------------------------------|--------------------------------------------|
| Sponsor organisation name | HOVON |
| Sponsor organisation address | De Boelelaan 1117, Amsterdam, Netherlands, |
| Public contact | HOVON Data Center, HOVON, hdc@erasmusmc.nl |
| Scientific contact | HOVON Data Center, HOVON, hdc@erasmusmc.nl |

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 | 04 October 2013 |
| Is this the analysis of the primary completion data? | Yes |
| Primary completion date | 19 March 2012 |
| Global end of trial reached? | Yes |
| Global end of trial date | 04 July 2017 |
| Was the trial ended prematurely? | No |

Notes:

General information about the trial

Main objective of the trial:

Evaluation of engraftment and disease-free survival following double cord blood transplantation after a reduced intensity conditioning regimen in adult patients. In addition to description of clinical parameters biological studies will be performed in order to evaluate whether parameters can be identified that predict which graft ultimately prevails.

Protection of trial subjects:

Monitoring and Insurance

Background therapy: -

Evidence for comparator: -

| | |
|-----------------------------------------------------------|--------------|
| Actual start date of recruitment | 29 July 2008 |
| Long term follow-up planned | No |
| Independent data monitoring committee (IDMC) involvement? | No |

Notes:

Population of trial subjects

Subjects enrolled per country

| | |
|--------------------------------------|-----------------|
| Country: Number of subjects enrolled | Netherlands: 60 |
| Worldwide total number of subjects | 60 |
| EEA total number of subjects | 60 |

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) | 60 |
| From 65 to 84 years | 0 |
| 85 years and over | 0 |

Subject disposition

Recruitment

Recruitment details: -

Pre-assignment

Screening details:

All subjects gave written informed consent and were screened according to the inclusion and exclusion criteria.

Period 1

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

Arms

| | |
|----------------------------------------|--------------------|
| Arm title | Experimental group |
| Arm description: - | |
| Arm type | Experimental |
| Investigational medicinal product name | UCB |
| Investigational medicinal product code | |
| Other name | CBU |
| Pharmaceutical forms | Infusion |
| Routes of administration | Infusion |

Dosage and administration details:

Depending on the existence of major ABO-incompatibility between CBU and recipient and the number of prefreeze RBC CBU's will undergo a careful washing procedure after thawing or will be infused immediately after a direct-thaw procedure.

Major ABO-incompatible CBU's will undergo a post-thaw washing procedure if the total prefreeze RBC count exceeds 150×10^9 . Minor ABO-incompatible or ABO-compatible CBU's will undergo a post-thaw washing procedure if the total prefreeze RBC count exceeds 300×10^9 . In all other cases CBU's will be infused immediately after a direct-thaw procedure. Grafts will be infused on two consecutive days (day 0 and day +1). An ABO compatible graft will be given first.

| | |
|---------------------------------------|--------------------|
| Number of subjects in period 1 | Experimental group |
| Started | 60 |
| Completed | 54 |
| Not completed | 6 |
| Protocol deviation | 6 |

Baseline characteristics

Reporting groups

| | |
|-----------------------|----------------|
| Reporting group title | Overall period |
|-----------------------|----------------|

Reporting group description: -

| Reporting group values | Overall period | Total | |
|----------------------------------------------------|----------------|-------|--|
| Number of subjects | 60 | 60 | |
| Age categorical | | | |
| Units: Subjects | | | |
| In utero | 0 | 0 | |
| Preterm newborn infants (gestational age < 37 wks) | 0 | 0 | |
| Newborns (0-27 days) | 0 | 0 | |
| Infants and toddlers (28 days-23 months) | 0 | 0 | |
| Children (2-11 years) | 0 | 0 | |
| Adolescents (12-17 years) | 0 | 0 | |
| Adults (18-64 years) | 0 | 0 | |
| From 65-84 years | 0 | 0 | |
| 85 years and over | 0 | 0 | |
| Adults (18-65 years) | 60 | 60 | |
| Age continuous | | | |
| Units: years | | | |
| median | 51 | | |
| full range (min-max) | 20 to 65 | - | |
| Gender categorical | | | |
| Units: Subjects | | | |
| Female | 28 | 28 | |
| Male | 32 | 32 | |

End points

End points reporting groups

| | |
|--------------------------------|--------------------|
| Reporting group title | Experimental group |
| Reporting group description: - | |

Primary: Primary endpoint

| | |
|------------------------|---------------------------------|
| End point title | Primary endpoint ^[1] |
| End point description: | |

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

End point timeframe:

See publication

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: See attached chart/document for results.

| | | | | |
|-----------------------------|--------------------|--|--|--|
| End point values | Experimental group | | | |
| Subject group type | Reporting group | | | |
| Number of subjects analysed | 60 | | | |
| Units: Whole | 60 | | | |

| | |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Attachments (see zip file) | Statistical data section from publication/HO106_Statistical data List of reported SAE's/sae106-11Jan2022.pdf List of reported non-SAE's/nonsae106-22Feb2022.pdf |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Statistical analyses

No statistical analyses for this end point

Adverse events

Adverse events information

Timeframe for reporting adverse events:

Adverse events will be reported from the first study-related procedure until 30 days following the last dose of any drug from the protocol treatment schedule or until the start of subsequent systemic therapy for the disease under study, if earlier.

Adverse event reporting additional description:

Adverse events occurring after 30 days should also be reported if considered at least possibly related to the investigational medicinal product by the investigator.

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

Dictionary used

| | |
|-----------------|-------|
| Dictionary name | CTCAE |
|-----------------|-------|

| | |
|--------------------|---|
| Dictionary version | 3 |
|--------------------|---|

Reporting groups

| | |
|-----------------------|--------------------|
| Reporting group title | Experimental group |
|-----------------------|--------------------|

Reporting group description: -

| Serious adverse events | Experimental group | | |
|---------------------------------------------------------------------|--------------------|--|--|
| Total subjects affected by serious adverse events | | | |
| subjects affected / exposed | 42 / 54 (77.78%) | | |
| number of deaths (all causes) | 37 | | |
| number of deaths resulting from adverse events | | | |
| Neoplasms benign, malignant and unspecified (incl cysts and polyps) | | | |
| Acute myeloid leukaemia refractory | | | |
| subjects affected / exposed | 3 / 54 (5.56%) | | |
| occurrences causally related to treatment / all | 0 / 3 | | |
| deaths causally related to treatment / all | 0 / 2 | | |
| secondary malignancy | | | |
| subjects affected / exposed | 2 / 54 (3.70%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| General disorders and administration site conditions | | | |
| Death | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Disease progression | | | |

| | | | |
|-----------------------------------------------------|-----------------|--|--|
| subjects affected / exposed | 5 / 54 (9.26%) | | |
| occurrences causally related to treatment / all | 0 / 5 | | |
| deaths causally related to treatment / all | 0 / 5 | | |
| Body temperature increased | | | |
| subjects affected / exposed | 2 / 54 (3.70%) | | |
| occurrences causally related to treatment / all | 2 / 3 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Disease recurrence | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Upper respiratory tract infection | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Immune system disorders | | | |
| Acute graft versus host disease | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Hypersensitivity | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Graft versus host disease | | | |
| subjects affected / exposed | 6 / 54 (11.11%) | | |
| occurrences causally related to treatment / all | 1 / 6 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Graft versus host disease in gastrointestinal tract | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Graft versus host disease in skin | | | |

| | | | |
|-------------------------------------------------|----------------|--|--|
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Viral infection | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Respiratory, thoracic and mediastinal disorders | | | |
| Dyspnoea | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 1 / 1 | | |
| Hypoxia | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Pneumonia | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Pneumonitis | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| respiratory insufficiency | | | |
| subjects affected / exposed | 3 / 54 (5.56%) | | |
| occurrences causally related to treatment / all | 1 / 3 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Investigations | | | |
| creatinine | | | |
| subjects affected / exposed | 2 / 54 (3.70%) | | |
| occurrences causally related to treatment / all | 1 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |

| | | | |
|-------------------------------------------------|----------------|--|--|
| creatinine increased | | | |
| subjects affected / exposed | 3 / 54 (5.56%) | | |
| occurrences causally related to treatment / all | 1 / 3 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Injury, poisoning and procedural complications | | | |
| Graft failure | | | |
| subjects affected / exposed | 2 / 54 (3.70%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| head wound | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Cardiac disorders | | | |
| Atrial fibrillation | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Cardiac arrest | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Cardiac failure | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Pericardial effusion | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Nervous system disorders | | | |
| Leukoencephalopathy | | | |

| | | | |
|-------------------------------------------------|-----------------|--|--|
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 1 / 1 | | |
| Neuropathy sensory | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Seizure | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Blood and lymphatic system disorders | | | |
| Febrile neutropenia | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Pancytopenia | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Eye disorders | | | |
| Personality disorder | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Retinal detachment | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Gastrointestinal disorders | | | |
| Diarrhoea | | | |
| subjects affected / exposed | 9 / 54 (16.67%) | | |
| occurrences causally related to treatment / all | 1 / 9 | | |
| deaths causally related to treatment / all | 0 / 1 | | |

| | | | |
|-----------------------------------------------------------------------------------------|----------------|--|--|
| Body temperature increased subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Vomiting subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Skin and subcutaneous tissue disorders Skin infection subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Renal and urinary disorders Acute kidney injury subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 1 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Haematuria subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| renal insufficiency subjects affected / exposed | 5 / 54 (9.26%) | | |
| occurrences causally related to treatment / all | 3 / 5 | | |
| deaths causally related to treatment / all | 0 / 1 | | |
| Endocrine disorders Thyroiditis subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Infections and infestations Cytomegalovirus infection reactivation | | | |

| | | | | |
|-------------------------------------------------|----------------|--|--|--|
| subjects affected / exposed | 1 / 54 (1.85%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Cystitis | | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | | |
| occurrences causally related to treatment / all | 1 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Epstein-Barr virus infection reactivation | | | | |
| subjects affected / exposed | 3 / 54 (5.56%) | | | |
| occurrences causally related to treatment / all | 1 / 3 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Hepatic infection | | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Pneumonia | | | | |
| subjects affected / exposed | 5 / 54 (9.26%) | | | |
| occurrences causally related to treatment / all | 1 / 6 | | | |
| deaths causally related to treatment / all | 1 / 3 | | | |
| Sepsis | | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 1 | | | |
| Skin infection | | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Urosepsis | | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | | |
| occurrences causally related to treatment / all | 0 / 1 | | | |
| deaths causally related to treatment / all | 0 / 0 | | | |
| Metabolism and nutrition disorders | | | | |
| Dehydration | | | | |

| | | | |
|-------------------------------------------------|----------------|--|--|
| subjects affected / exposed | 2 / 54 (3.70%) | | |
| occurrences causally related to treatment / all | 1 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| Hyponatraemia | | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences causally related to treatment / all | 0 / 1 | | |
| deaths causally related to treatment / all | 0 / 0 | | |
| metabolic disturbance | | | |
| subjects affected / exposed | 2 / 54 (3.70%) | | |
| occurrences causally related to treatment / all | 0 / 2 | | |
| deaths causally related to treatment / all | 0 / 0 | | |

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

| Non-serious adverse events | Experimental group | | |
|-------------------------------------------------------|----------------------------------------------------------------|--|--|
| Total subjects affected by non-serious adverse events | | | |
| subjects affected / exposed | 52 / 54 (96.30%) | | |
| Vascular disorders | | | |
| Vascular | Additional description: All combined, see AE chart for details | | |
| subjects affected / exposed | 5 / 54 (9.26%) | | |
| occurrences (all) | 5 | | |
| General disorders and administration site conditions | | | |
| Constitutional | | | |
| subjects affected / exposed | 3 / 54 (5.56%) | | |
| occurrences (all) | 3 | | |
| Pain | Additional description: All combined, see AE chart for details | | |
| subjects affected / exposed | 2 / 54 (3.70%) | | |
| occurrences (all) | 2 | | |
| Injury, poisoning and procedural complications | | | |
| Hemorrhage/bleeding | Additional description: All combined, see AE chart for details | | |
| subjects affected / exposed | 1 / 54 (1.85%) | | |
| occurrences (all) | 1 | | |
| Cardiac disorders | | | |
| Cardiac arrhythmia | Additional description: All combined, see AE chart for details | | |

| | | | |
|--------------------------------------------------|----------------------------------------------------------------|--|--|
| subjects affected / exposed occurrences (all) | 3 / 54 (5.56%) 4 | | |
| Cardiac general | Additional description: All combined, see AE chart for details | | |
| subjects affected / exposed occurrences (all) | 9 / 54 (16.67%) 9 | | |
| Nervous system disorders | | | |
| Neurology | Additional description: All combined, see AE chart for details | | |
| subjects affected / exposed occurrences (all) | 4 / 54 (7.41%) 5 | | |
| Blood and lymphatic system disorders | | | |
| Blood/BM | Additional description: All combined, see AE chart for details | | |
| subjects affected / exposed occurrences (all) | 33 / 54 (61.11%) 108 | | |
| Coagulation | Additional description: All combined, see AE chart for details | | |
| subjects affected / exposed occurrences (all) | 3 / 54 (5.56%) 4 | | |
| Eye disorders | | | |
| Ocular/visual | Additional description: All combined, see AE chart for details | | |
| subjects affected / exposed occurrences (all) | 2 / 54 (3.70%) 3 | | |
| Gastrointestinal disorders | | | |
| Gastrointestinal | Additional description: All combined, see AE chart for details | | |
| subjects affected / exposed occurrences (all) | 12 / 54 (22.22%) 13 | | |
| Skin and subcutaneous tissue disorders | | | |
| Dermatology/skin | Additional description: All combined, see AE chart for details | | |
| subjects affected / exposed occurrences (all) | 2 / 54 (3.70%) 2 | | |
| Renal and urinary disorders | | | |
| Renal/genitourinary | Additional description: All combined, see AE chart for details | | |
| subjects affected / exposed occurrences (all) | 1 / 54 (1.85%) 1 | | |
| Endocrine disorders | | | |
| Endocrine | | | |
| subjects affected / exposed occurrences (all) | 3 / 54 (5.56%) 3 | | |
| Infections and infestations | | | |

| | | | |
|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--|--|
| Infection subjects affected / exposed occurrences (all) | Additional description: All combined, see AE chart for details | | |
| | 43 / 54 (79.63%) | | |
| | 95 | | |
| Metabolism and nutrition disorders Metabolic/laboratory subjects affected / exposed occurrences (all) | Additional description: All combined, see AE chart for details | | |
| | 12 / 54 (22.22%) | | |
| | 19 | | |

More information

Substantial protocol amendments (globally)

Were there any global substantial amendments to the protocol? Yes

| Date | Amendment |
|------------------|------------------------------------------------------------------|
| 19 November 2009 | Change of sponsor |
| 02 March 2010 | Addition of extra site |
| 01 July 2010 | Amendment of product information and PIF/ICF |
| 30 November 2010 | Change of safety reporting procedures and addition of extra site |
| 30 May 2011 | Addition of extra site |

Notes:

Interruptions (globally)

Were there any global interruptions to the trial? No

Limitations and caveats

None reported

Online references

<http://www.ncbi.nlm.nih.gov/pubmed/25107890>