



## Clinical trial results:

### Phase II Clinical Study on Therapeutic Angiogenesis with Mononucleated Autologous Bone Marrow Cells in Diabetic Patients with Chronic Critical Ischemia of non-revascularizable lower limbs

#### Summary

EudraCT number	2008-004064-39
Trial protocol	ES
Global end of trial date	29 September 2011

#### Results information

Result version number	v1 (current)
This version publication date	06 March 2024
First version publication date	06 March 2024
Summary attachment (see zip file)	Sinopsis informe final CMMo/ICPD/2008 (SINOPSIS INFORME FINAL corregida CMMO-ICPD-2008_def..pdf)

#### Trial information

##### Trial identification

Sponsor protocol code	CMMo/ICPD/2008
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##### Additional study identifiers

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

Notes:

#### Sponsors

Sponsor organisation name	Red Andaluza de Diseño y Traslación en Terapias Avanzadas (former Iniciativa Andaluza en Terapias Avanzadas) – Fundación Progreso y Salud
Sponsor organisation address	Avda. Américo Vespucio 15 · Edificio S-2 · 2ª Pta , Sevilla, Spain,
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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	27 October 2014
Is this the analysis of the primary completion data?	Yes
Primary completion date	29 September 2011
Global end of trial reached?	Yes
Global end of trial date	29 September 2011
Was the trial ended prematurely?	No

Notes:

## General information about the trial

Main objective of the trial:

To evaluate the safety and feasibility of autologous mononucleated bone marrow cell transplantation (mo-MNCs) administered intra-arterially in the affected limb of diabetic patients with chronic critical ischemia of the lower limbs without possibilities of revascularization or other therapeutic alternatives.

Protection of trial subjects:

The trial has been carried out in accordance with the recommendations for Clinical Trials and the evaluation of the product under investigation in humans, which appear in the Declaration of Helsinki, revised in successive world assemblies (WMA, 2008), and the current Spanish Legislation on Clinical Trials. In addition, the ICH-GPC standards have been followed.

Background therapy: -

Evidence for comparator: -

Actual start date of recruitment	01 July 2009
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	Spain: 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)	35

From 65 to 84 years	25
85 years and over	0

## Subject disposition

### Recruitment

Recruitment details: -

### Pre-assignment

Screening details: -

### Pre-assignment period milestones

Number of subjects started	60
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Number of subjects completed	60
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### Period 1

Period 1 title	Safety and feasibility (overall period)
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Is this the baseline period?	Yes
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Allocation method	Randomised - controlled
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Blinding used	Not blinded
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### Arms

Are arms mutually exclusive?	Yes
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Arm title	Group control
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Arm description:

Conventional treatment

Arm type	Active comparator
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Investigational medicinal product name	No investigational medicinal product assigned in this arm
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Investigational medicinal product code	
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Other name	
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Pharmaceutical forms	Not assigned
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Routes of administration	Not mentioned
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Dosage and administration details:

NA

Arm title	Group 1
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Arm description:

Autologous bone marrow mononucleated cells

Arm type	Experimental
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Investigational medicinal product name	Autologous bone marrow mononucleated cells
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Investigational medicinal product code	
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Other name	
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Pharmaceutical forms	Solution for infusion
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Routes of administration	Intraarterial use
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Dosage and administration details:

1x10e8 de mo-CMNs

Arm title	Group 2
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Arm description:

Autologous bone marrow mononucleated cells

Arm type	Experimental
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Investigational medicinal product name	Autologous bone marrow mononucleated cells
Investigational medicinal product code	
Other name	
Pharmaceutical forms	Solution for infusion
Routes of administration	Intraarterial use
Dosage and administration details: 5x10e8 de mo-CMNs	
<b>Arm title</b>	Group 3
Arm description: Autologous bone marrow mononucleated cells	
Arm type	Experimental
Investigational medicinal product name	No investigational medicinal product assigned in this arm
Investigational medicinal product code	
Other name	
Pharmaceutical forms	Not assigned
Routes of administration	Not mentioned
Dosage and administration details: NA	
Investigational medicinal product name	Autologous bone marrow mononucleated cells
Investigational medicinal product code	
Other name	
Pharmaceutical forms	Solution for infusion
Routes of administration	Intraarterial use
Dosage and administration details: 1x10e9 de mo-CMNs	

<b>Number of subjects in period 1</b>	Group control	Group 1	Group 2
Started	15	15	15
Completed	15	15	15

<b>Number of subjects in period 1</b>	Group 3
Started	15
Completed	15

## Baseline characteristics

## End points

### End points reporting groups

Reporting group title	Group control
Reporting group description: Conventional treatment	
Reporting group title	Group 1
Reporting group description: Autologous bone marrow mononucleated cells	
Reporting group title	Group 2
Reporting group description: Autologous bone marrow mononucleated cells	
Reporting group title	Group 3
Reporting group description: Autologous bone marrow mononucleated cells	

### Primary: Degree of vasculogenesis

End point title	Degree of vasculogenesis <sup>[1]</sup>
End point description: The following data correspond to the transcutaneous oxygen pressure observed in both the control group and the treatment group 12 months after treatment.	
End point type	Primary
End point timeframe: During the study	

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 for this end point

End point values	Group control	Group 1	Group 2	Group 3
Subject group type	Reporting group	Reporting group	Reporting group	Reporting group
Number of subjects analysed	11	10	10	9
Units: mmHg				
arithmetic mean (confidence interval 95%)	-5 (-27 to 17)	16 (9 to 23)	16 (9 to 23)	16 (9 to 23)

### Statistical analyses

No statistical analyses for this end point

## Adverse events

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### Adverse events information<sup>[1]</sup>

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Timeframe for reporting adverse events:

From the inclusion of the first patient to the last visit of the last patient.

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Assessment type	Systematic
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### Dictionary used

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Dictionary name	MedDRA
Dictionary version	NA

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Frequency threshold for reporting non-serious adverse events: 1 %

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Notes:

[1] - There are no non-serious adverse events recorded for these results. It is expected that there will be at least one non-serious adverse event reported.

Justification: It is detailed in the summary of the final report



**More information**

**Substantial protocol amendments (globally)**

Were there any global substantial amendments to the protocol? Yes

Date	Amendment
10 March 2009	Inclusion of a new collaborating service from another center
19 May 2009	Amendment not relevant
29 October 2009	Amendment not relevant

Notes:

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**Interruptions (globally)**

Were there any global interruptions to the trial? No

**Limitations and caveats**

None reported