

Clinical trial for the use of a humanized CART directed against BCMA (ARI0002h) in patients with newly diagnosed primary plasma cell leukemia.

Estado Reclutando	Tipo de Participantes No aportado	Rangos de Edad Mayores de 64 , Adultos (18-64 años)
Género Ambos	Fases Fase II	Participantes esperados 25
Resultados Sin resultados	Bajo nivel intervención No	Enfermedad rara No
Cobertura geográfica Sin determinar	Ámbitos del ensayo seguridad, eficacia	Terapia avanzada NO

Información

Identificador 2024-515053-21-00 (CTIS)	Cod. Protocolo GEM-PLASMACAR
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Área terapéutica
Enfermedades [C] - Cáncer [C04]

Enfermedad investigada
Plasma cell leukaemia

Título Científico
Phase II, multicenter, open-label, prospective, non-randomized study to evaluate the safety and efficacy of ARI0002h, a CAR-T cell against BCMA, for the initial treatment of patients with primary plasma cell leukaemia

Justificación

No aportado

Objetivo Principal

To assess the safety and efficacy of CARTBCMA ARI0002h (Cesnicabtagene autoleucl) after initial treatment to induce response in patients with newly diagnosed primary plasma cell leukaemia.

Variables de Evaluación Primaria

Primary efficacy endpoints: Overall response rate (ORR) during the first 3 months after the first infusion (at least partial response according to the International Myeloma Working Group criteria)

Primary safety endpoint: Rate of patients who develop a cytokine release syndrome and/or neurological toxicity in the first 30 days after CARTBCMA administration, according to the criteria and grading defined in the international consensus document (Lee, Santomaso et al. 2019).

Momentos temporales de evaluación primaria

No aportado

Objetivo Secundario

Evaluating the efficacy of ARI0002h

Assessing the duration of response after administration of ARI0002h

Evaluating the overall survival after the administration of ARI0002h

Evaluating the persistence of ARI0002h cells in peripheral blood after their administration

Evaluating the effect of treatment with ARI0002h on the quality of life of patient during the first year

Assessing adverse events occurring at 3 months and 1 year

Variables de Evaluación Secundaria

Duration of response calculated from the time of first disease evaluation (day +28 after infusion) for those patients who achieved at least partial response.

Response rates during the first year.

Complete response rate (CR) at 3, 6, and 12 months after the first infusion.

Overall response rate at 6, and 12 months after the first infusion.

Time to complete response.

Time to best response.

MRD negative rate in bone marrow by flow cytometry at 3, 6 12 and 24 months.

Response rate of extramedullary disease by PET-CT at 3 and 12 months.

Progression-free survival, defined as the time between administration of ARI0002h and disease progression or death. Patients who are alive and in complete remission will be censored at the time of the last follow-up.

Progression-free survival at 12 months after the first administration, defined as the time elapsed between the

administration of ARI0002h and disease progression or death. Patients who are alive and in complete remission will be censored at the time of the last follow-up.

Overall survival (OS), defined as the time between infusion of ARI0002h and death of the patient from any cause. Living patients will be censored at the time of last follow-up.

Presence of infusion reactions, understood as the appearance of any of the following symptoms after the intravenous administration of CARTBCMA: cardiac events, chills, dyspnoea, fatigue, sudden hypertension, hypotension, nausea, pain, fever, rash or urticaria.

Tumour lysis syndrome at any time after treatment administration.

Cytokine release syndrome. According to the criteria and grading defined in the international consensus document (Lee, Santomaso et al. 2019).

Neurological toxicity (According to the criteria and grading defined in the international consensus document (Lee, Santomaso et al. 2019)).

Presence of prolonged cytopenias, defined as a grade 4 decrease in peripheral blood neutrophil or platelet counts for more than 4 weeks after infusion.

Quality of life during the first two years after infusion according to the 2009 EuroQol Group EQ-5D-5L questionnaire.

Momentos temporales de evaluación secundaria

No aportado

Criterios de Inclusión

Patients between 18 and 75 years old diagnosed with newly diagnosed primary plasma cell leukemia (the presence of 5% or more circulating plasma cells in peripheral blood smears in patients otherwise diagnosed with symptomatic multiple myeloma), according to International Myeloma Working Group (IMWG). In order to confirm this inclusion criteria, two peripheral blood slides of the diagnostic will be sent to the coordinating team at HCB. In the event that a diagnostic slide is unavailable, a document confirming the diagnostic results must be provided instead.

Disease measurable at diagnosis by monoclonal component in serum or urine, or by free light chains in serum according to the eligibility criteria for clinical trials of the "International Myeloma Working Group".

ECOG Performance Status from 0 to 1

Life expectancy greater than 3 months

Adequate venous access and absence of contraindications for lymphoapheresis

Patients who, after being informed, give their consent by signing the Informed Consent Document.

Criterios de Exclusión

No previous treatments, except for induction therapy for primary plasma cell leukemia. Severe organ impairment that meets any of the following criteria: EF<40%, DLCO <40%, GFR <30 ml/min, bilirubin >3 times the upper limit of normality (unless due to Gilbert syndrome). Previous diagnosis of symptomatic AL amyloidosis. Pregnant or lactating women. Women of childbearing potential must have a negative pregnancy test at the screening phase. Women of childbearing potential, including those whose last menstrual cycle was in the year prior to screening, who are unable or unwilling to use highly effective contraceptive methods from the beginning of the study to completion of the study. Men who are unable or unwilling to use highly effective contraceptive methods from the beginning of the study to completion of the study. Contraindication to receive lymphodepletive chemotherapy. Administration of any anti-BCMA therapy as part of induction Not having achieved at least a minimal response with induction treatment (IMWG criteria) Absolute lymphocyte count <0.1x10⁹/L Active immunosuppressive therapy except for prednisone 10 mg/day (or equivalent) Any other concomitant neoplasia, unless it has been in complete remission for 3 years or longer, except for non-melanoma skin cancer or completely resected in situ carcinoma. Active infection requiring treatment. Active HIV, HBV, or HCV infection. Uncontrolled medical illness.

Calendario

(Última actualización: 27/07/2026)

Autorización 10/03/2025	Inicio de Ensayo 30/04/2025	Inclusión Primer Paciente 01/07/2025	Interrumpido No aportado	Reiniciado No aportado
Fin de reclutamiento No aportado	Fin prematuro (España) No aportado	Fin prematuro (Global) No aportado	Fin del ensayo en España No aportado	Fin del ensayo global No aportado

Promotor

Fundacio De Recerca Clinic Barcelona-Institut D'Investigacions Biomediques August Pi I Sunyer Spain Calle Rosellon 149-153
Contact Person Clinical Trials Unit +34932275400 joyera@recerca.clinic.cat
Monetary support: N/A Tipo de promotor: Comercial

Ceim

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Villarroel, 170 - Planta 0 - Puerta 6b 08036 Barcelona

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932275766

Centros

No iniciado (---/---/----)

Clinica Universidad De Navarra

Pamplona

NAVARRA

Hematology

No iniciado (---/---/----)

Clinica Universidad De Navarra

Madrid

MADRID

Hematology

Activo (30/04/2025)

Hospital Clinic De Barcelona

Barcelona

BARCELONA

Hematology

Activo (30/07/2025)

Hospital Universitario De Salamanca

Salamanca

SALAMANCA

Hematology

Activo (01/09/2025)

Hospital Universitario Marques De Valdecilla

Santander

CANTABRIA

Hematology

Activo (19/05/2025)

Hospital Universitario 12 De Octubre

Madrid

MADRID

Hematology

Activo (26/05/2025)

University Clinical Hospital Virgen De La Arrixaca

Murcia

MURCIA

Hematology

Medicamentos

Cesnicabtagene autoleucel
DISPERSION FOR INFUSION
INTRAVENOUS

-
Principios Activos: N/A

Experimental

FLUDARABINE
POWDER FOR SOLUTION FOR INJECTION
INTRAVENOUS

-
Principios Activos: N/A

Experimental

LENALIDOMIDE
HARD CAPSULES
ORAL

-
Principios Activos: N/A

Experimental

CYCLOPHOSPHAMIDE
POWDER FOR SOLUTION FOR INJECTION
INTRAVENOUS

-
Principios Activos: N/A

Experimental

PARACETAMOL
TABLET
ORAL

-
Principios Activos: N/A

Experimental

RoActemra 20 mg/mL concentrate for solution for infusion
SOLUTION FOR INFUSION
INTRAVENOUS

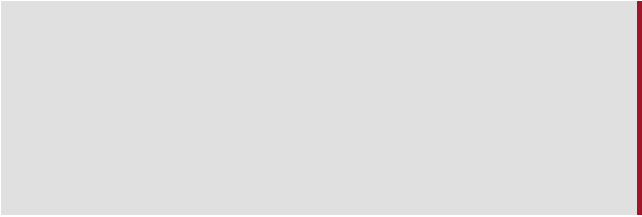
Código ATC: L04AC07 - TOCILIZUMAB
Principios Activos: N/A

Experimental

-
-
ORAL

Código ATC: R06A - ANTIHISTAMINICOS PARA USO SISTEMICO
Principios Activos: N/A

Experimental



Sin resultados

Clinical trial for the use of a humanized CART directed against BCMA (ARI0002h) in patients with newly diagnosed primary plasma cell leukemia.

State
Recruiting

Type of participants
Not provided

Age Ranges
Older than 64 , Adults (18-64 years)

Gender
Both

Phases
Phase II

Expected Participants
25

Results
No results

Low level of intervention
No

Rare disease
No

Geographic coverage
Undetermined

Areas of the study
safety, effectiveness

Advanced therapy
NO

Information

Identifier
2024-515053-21-00 (CTIS)

Protocol Code
GEM-PLASMACAR

Therapeutic area
Diseases [C] - Cancer [C04]

Investigated Disease
Plasma cell leukaemia

Scientific Title
Phase II, multicenter, open-label, prospective, non-randomized study to evaluate the safety and efficacy of ARI0002h, a CAR-T cell against BCMA, for the initial treatment of patients with primary plasma cell leukaemia

Rationale

Not provided

Main Objective

To assess the safety and efficacy of CARTBCMA ARI0002h (Cesnicabtagene autoleucel) after initial treatment to induce response in patients with newly diagnosed primary plasma cell leukaemia.

Primary Endpoints

Primary efficacy endpoints: Overall response rate (ORR) during the first 3 months after the first infusion (at least partial response according to the International Myeloma Working Group criteria)

Primary safety endpoint: Rate of patients who develop a cytokine release syndrome and/or neurological toxicity in the first 30 days after CARTBCMA administration, according to the criteria and grading defined in the international consensus document (Lee, Santomaso et al. 2019).

Temporary moments of secondary assessment

Not provided

Secondary Objective

Evaluating the efficacy of ARI0002h

Assessing the duration of response after administration of ARI0002h

Evaluating the overall survival after the administration of ARI0002h

Evaluating the persistence of ARI0002h cells in peripheral blood after their administration

Evaluating the effect of treatment with ARI0002h on the quality of life of patient during the first year

Assessing adverse events occurring at 3 months and 1 year

Secondary Endpoints

Duration of response calculated from the time of first disease evaluation (day +28 after infusion) for those patients who achieved at least partial response.

Response rates during the first year.

Complete response rate (CR) at 3, 6, and 12 months after the first infusion.

Overall response rate at 6, and 12 months after the first infusion.

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Quality of life during the first two years after infusion according to the 2009 EuroQol Group EQ-5D-5L questionnaire.

Temporary moments of secondary assessment

Not provided

Inclusion criteria

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Exclusion criteria

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Calendar

(Last Update: 27/07/2026)

Authorization	Start of Trial	First patient inclusion	Halted	Restarted
10/03/2025	30/04/2025	01/07/2025	Not aported	Not aported

End of recruitment	Premature end (Spain)	Premature End (Global)	Trial end (Spain)	Trial end (Global)
Not aported	Not aported	Not aported	Not aported	Not aported

Sponsor

Fundacio De Recerca Clinic Barcelona-Institut D'Investigacions Biomediques August Pi I Sunyer
Spain

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Contact Person

Clinical Trials Unit

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Monetary support: N/A

Sponsor type: Commercial

Ceim

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Sites

not initialized (---/---/----)	Clinica Universidad De Navarra Pamplona NAVARRA Hematology
not initialized (---/---/----)	Clinica Universidad De Navarra Madrid MADRID Hematology
Active (30/04/2025)	Hospital Clinic De Barcelona Barcelona BARCELONA Hematology
Active (30/07/2025)	Hospital Universitario De Salamanca Salamanca SALAMANCA Hematology
Active (01/09/2025)	Hospital Universitario Marques De Valdecilla Santander CANTABRIA Hematology
Active (19/05/2025)	Hospital Universitario 12 De Octubre Madrid MADRID Hematology
Active (26/05/2025)	University Clinical Hospital Virgen De La Arrixaca Murcia MURCIA Hematology

Medication

Cesnicabtagene autoleucel

DISPERSION FOR INFUSION
INTRAVENOUS

-

Active Principles: N/A

Experimental

FLUDARABINE

POWDER FOR SOLUTION FOR INJECTION
INTRAVENOUS

-

Active Principles: N/A

Experimental

LENALIDOMIDE

HARD CAPSULES
ORAL

-

Active Principles: N/A

Experimental

CYCLOPHOSPHAMIDE

POWDER FOR SOLUTION FOR INJECTION
INTRAVENOUS

-

Active Principles: N/A

Experimental

PARACETAMOL

TABLET
ORAL

-

Active Principles: N/A

Experimental

RoActemra 20 mg/mL concentrate for solution for infusion

SOLUTION FOR INFUSION
INTRAVENOUS

ATC code: L04AC07 - TOCILIZUMAB

Active Principles: N/A

Experimental

-

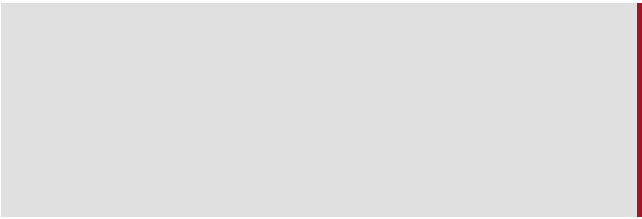
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ORAL

ATC code: R06A - ANTIHISTAMINICOS PARA USO SISTEMICO

Active Principles: N/A

Experimental



No results