

Study of investigational livoseltamab in patients with relapsed or refractory multiple myeloma



Primary Objective: evaluate the safety and efficacy, and identify the recommended phase 2 dose, of livoseltamab in patients with relapsed or refractory (R/R) multiple myeloma



PATIENTS WITH R/R MM (N≈309)

OPEN LABEL INTERVENTION

Phase 1

Dose escalation: Livoseltamab (IV)



Phase 2

Dose expansion: Livoseltamab (IV)

Primary Endpoints

Phase 1: Safety, tolerability and DLT

Phase 2: Overall response rate^{a,b}

Secondary Endpoints

Phase 1/2: Objective response rate^a

Duration of response^a

Progression-free survival^a

MRD-negative status^a

Overall survival^a

Pharmacokinetics

Immunogenicity

Phase 2: HRQoL, Safety, and tolerability



FIND OUT MORE

Scan here to find out more about this study at <https://clinicaltrials.gov/ct2/show/NCT03761108>

This information is intended for investigators interested in open clinical trials.

Livoseltamab is an investigational agent and has not been evaluated by any regulatory authority.

^aUsing the International Myeloma Working Group (IMWG) response criteria. ^bBased on Blinded Independent Central Review (BICR) in phase 2 portion. ^cBased on investigator assessment. DLT, dose-limiting toxicity; HRQoL, health-related quality of life; IV, intravenous; MM, multiple myeloma; MRD, minimal residual disease; N, number of patients.

LINVOSELTAMAB

An Investigational BCMAxCD3 Bispecific Antibody

Designed to bridge BCMA on MM cells with CD3 on T cells to facilitate local T-cell activation and cytotoxicity¹

SELECTED INCLUSION CRITERIA^a



ECOG PS 0 or 1



Measurable disease according to IMWG consensus criteria



Phase 1: Progression on or after at least 3 lines of therapy, or intolerance to therapy, including a PI, an IMiD, and an anti-CD38 antibody, OR progression on or after an anti-CD38 antibody^b and have disease that is double refractory^c to a PI and an IMiD, or intolerance to therapy



Phase 2: Progression on or after at least 3 prior lines of therapy including a PI, IMiD, and anti-CD38 antibody. Patients must be triple-refractory, defined as being refractory^d to prior treatment with at least one anti-CD38 antibody, PI, and IMiD

SELECTED EXCLUSION CRITERIA^a



Diagnosis of plasma cell leukemia, primary light-chain amyloidosis, Waldenström macroglobulinemia, or POEMS syndrome



Known MM brain lesions or meningeal involvement



Cardiac ejection fraction <40%



Prior treatment with BCMA-directed immunotherapies excluding BCMA antibody-drug conjugates^e



History of allogeneic stem cell transplantation, or autologous stem cell transplantation within 12 weeks of the start of study drug regimen



For more information, visit www.clinicaltrials.gov or please call 844 REGN-MID.
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^aInclusion/exclusion criteria include a summary of selected criteria. Please review the complete study design on [clinicaltrials.gov](https://www.clinicaltrials.gov) for complete details. ^bThe anti-CD38 antibody may have been administered alone or in combination with another agent such as a PI; ^cDefined as lack of response or relapse within 60 days of last treatment; ^dDefined as progression during treatment or within 60 days after completion of therapy, or <25% response to therapy; ^eIncludes BCMA bispecific antibodies, bispecific T Cell engagers, and CAR T Cells.

BCMA, B cell maturation antigen; CD, cluster of differentiation; ECOG PS, Eastern Cooperative Oncology Group performance status; IMiD, immunomodulatory imide drug; IMWG, International Myeloma Working Group; MM, multiple myeloma; PI, proteasome inhibitor; POEMS, polyneuropathy, organomegaly, endocrinopathy, monoclonal protein, and skin changes.

Current per [clinicaltrials.gov](https://www.clinicaltrials.gov) as of April 5, 2023.

1. DiLillo DJ et al. *Blood Adv.* 2021;5(5):1291–04.

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