Eppur si muove...

La terapia nel MONDO LINFOMI

Caso clinico 1

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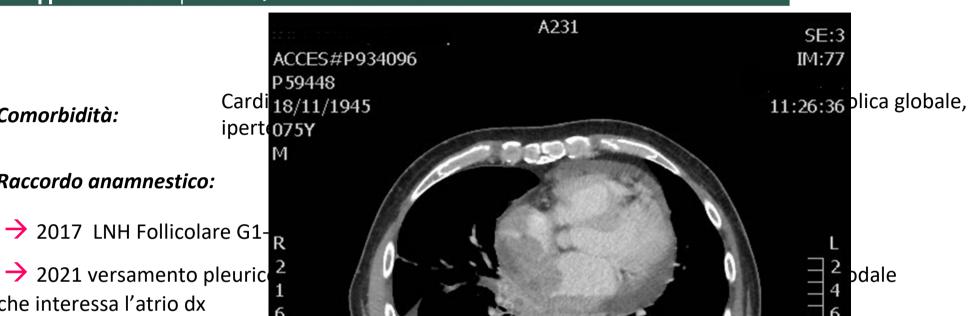


ROMA, 26 MAGGIO 2022

Raccordo anamnestico:

che interessa l'atrio dx

Comorbidità:



DLBCL GC "double express

ECG/ECOCARDIOCOLORI

completo. Anomalie secondarie della ripola globale moderatamente depressa FE 48% ingrandito. Sezioni destre nei limiti, ventri compromissione emodinamica

firma consenso informato per p

PORTALE PORTALE PORTALE PORTALE PORTALE PORTALE PORTALE PORTALE (se ADDOME SUP. E INF. (senza e con contrasto) - TC CEREBRALE (se

tricolare. Blocco di branca destro normali, ipertrofia del setto, cinesi diastolica di I grado. Atrio sinistro cato senza segni, al momento, di

matose

C7 (POLAR BEAR)

→ C1



g +20 Fibrillazione Atriale → UTIC

digossina

- → dopo nulla osta cardiologico pratica II e III ciclo (ripetuti accessi per aritmie e toracentesi)
- → rivalutazione

→ Paziente in SD, prosegue tra P59448

21.07.21: 4° R-miniCHOP 11.08.21: 5° R-miniCHOP 01.09.21: 6° R-miniCHOP

→ rivalutazione

Programma terapeutico di II lin

→ pratica 2 cicli то

→ rivalutazione

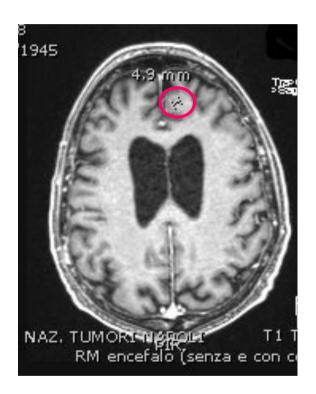
→ inizia III linea: lenalidomide 15 mg/die 21 gg

alla tollerabilità) e successiva rivalutazione.

rivalutazione post 4 ciclo

PR...?





Considerazioni:

1) In corso 5° ciclo ... pz a

2) Risposta parziale.... Co



npletare il ciclo

- Farmaco ben tollerato
- Non gravato da importante tossicità ematologica
- Miglior controllo della malattia sistemica
- Ma.... il passaggio attraverso la barriera ematoencefalica....

BLA Multi-disciplinary Review and Evaluation

Disclaimer: In this document, the sections labeled as "The Applicant's Position" are completed by the Applicant, which do not necessarily reflect the positions of the FDA.

Application Type	Biologics License Application (BLA)				
Application Number(s)	761163				
Priority or Standard	Priority				
Submit Date(s)	December 28, 2019				
Received Date(s)	December 30, 2019				
PDUFA Goal Date	August 30, 2020				
Division/Office	Division of Hematologic Malignancies II/Office of Oncologic				
	Diseases				
Review Completion Date	07/30/2020				
Established Name	tafasitamab-cxix				
(Proposed) Trade Name	Monjuvi				
Pharmacologic Class	CD-19 directed cytolytic antibody				
Code name	MOR208				
Applicant	MorphoSys US Inc.				
Formulation(s)	Injection				
Dosing Regimen	The recommended dose of tafasitamab is 12 mg/kg as an intravenous infusion given according to the following schedule: • Cycle 1: Days 1, 4, 8, 15 and 22 of the 28-day cycle • Cycle 2 and 3: Days 1, 8, 15 and 22 of each 28-day cycle • Cycle 4 and beyond: Days 1 and 15 of each 28-day cycle				
Applicant Proposed	In combination with lenalidomide (b)(4)				
Indication(s)/Population(s)	(b) (4) for the treatment of adult patients with relapsed				
	or refractory DLBCL, including DLBCL arising from low grade lymphoma, and who are not eligible for OSCT				
Recommendation on	Accelerated approval				
Regulatory Action					
Recommended	In combination with lenalidomide for the treatment of adult				
Indication(s)/Population(s)	patients with relapsed or refractory diffuse large B-cell				
(if applicable)	lymphoma (DLBCL) not otherwise specified, including DLBCL				
	arising from low grade lymphoma, and who are not eligible for autologous stem cell transplant (ASCT)				

Observations and Results: changes from control

Parameters	Major findi	Major findings						
Mortality	There were	no unscl	neduled de	eaths during	the study.			
Clinical Signs	control anir effected an high-dose. low-dose ar tremors on high-dose e on Day 1 of	There were no unscheduled deaths during the study. Whole body (WB) tremors were observed at low-dose, high-dose and control animals during the dosing period. The number of animals effected and the number of incidences of tremors were higher at the high-dose. The slight whole body tremors occurred on single occasions in low-dose and control males, while the high-dose animals experienced tremors on 2-5 occasions during dosing. In addition, one female at the high-dose experienced severe whole body tremors during the first dose on Day 1 of dosing. Summary of whole body tremors observed during dosing						
	Group/sex	Dose/ mg/kg	Animal #	Tremors	Period	Days]	
	1/M	0	18902M	slight WB	Dosing	43		
	1/M	0	18907M	slight WB	Dosing	36		
	2/M	10	18880M	slight WB	Dosing	57		
	2/M	10	18889M	slight WB	Dosing	43		
	4M	100	18705M	slight WB	Dosing	15, 22, 36, 43, 64		
	4F	100	19051F	slight WB	Dosing	1, 8, 15		
	4F	100	19208F	slight WB	Dosing	8,15, 36, 78		
	4F	100	19230F	slight WB	Dosing	8, 15, 78		
	4F	100	19255F	Severe WB	Dosing	1		
	4F	100	19255F	slight WB	Dosing	8, 15, 78		
Neurobehavioral Observations	observed in	Statistically significant differences in body temperature (100-102°F) were observed in males at 100 mg/kg and females at 30 and 100 mg/kg during dosing that recovered in the recovery period.						
Body Weights		Unremarkable						
Ophthalmoscopy		Unremarkable						
ECG		Unremarkable						
Blood Pressure		Unremarkable						
Respiratory Rate	Unremarka	ble						

ICH GCP > US Clinical Trials Registry > Clinical Trial Page

Tafasitamab Plus Lenalidomide in Relapsed CNS Lymphoma

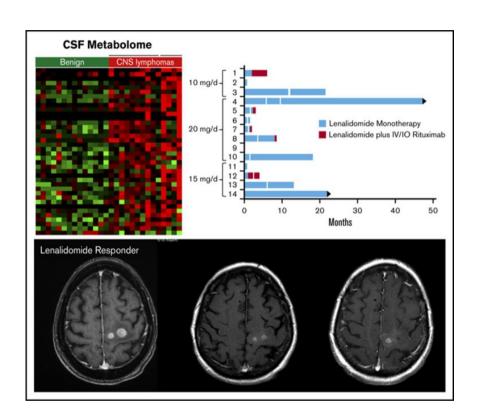
A Phase I/II Study of Tafasitamab Plus Lenalidomide in Relapsed CNS Lymphoma

Sponsors	Lead Sponsor: <u>James Rubenstein</u>
	Collaborator: Incyte Corporation
Source	University of California, San Francisco
Brief Summary	This is a single arm open-label multicenter phase I/II investigation of combination lenalidomide/Tafasitamab in patients with relapsed central nervous system (CNS) lymphoma. This is the first study to examine a naked anti-CD19 monoclonal antibody in relapsed CNS lymphoma patients as well as the combination of anti-CD19 antibody plus an Immunomodulatory imide drugs (IMiDs) in CNS lymphomas. This study will also test the novel hypothesis that Tafasitamab enhances blood-brain barrier permeability, a potential property that could have broad clinical implications.

PRIMARY OBJECTIVES: I. To determine the maximum tolerated dose (MTD) and recommended phase 2 dose (RP2D) of lenalidomide in combination with Tafasitamab in patients with relapsed central nervous system (CNS) lymphoma (Phase 1). II. To evaluate the clinical benefit rate of Tafasitamab in combination with lenalidomide in relapsed CNS lymphoma (Phase 2). SECONDARY OBJECTIVES: I. To describe the toxicities of Tafasitamab in combination with lenalidomide in relapsed CNS lymphoma. II. To describe the efficacy of Tafasitamab in combination with lenalidomide in relapsed CNS lymphoma. EXPLORATORY OBJECTIVES: I. To obtain pilot information about CSF penetration of Tafasitamab as well as CSF partition coefficient of lenalidomide in combination with Tafasitamab to evaluate possibility that Tafasitamab enhances CSF penetration of lenalidomide to an extent greater than CSF/plasma partition coefficient of lenalidomide which was 20% at 15 and 20 milligram (mg) dose levels. II. To evaluate the relationship between tumor mutational profile and response to Tafasitamab plus lenalidomide, via whole exome sequencing of diagnostic specimens. II. To evaluate change in immune cell phenotypes in CSF and blood in patients via flowcytometry of natural killer (NK) cell, T-cells and CSF monocytes/macrophages in patients treated with combination Tafasitamab plus lenalidomide. IV. To evaluate the relationship between CSF cytokine microenvironment such as Interleukin-10 (IL-10), Chemokine ligand 13 (CXCL13), etc. as well as CSF metabolites, including energy metabolites and neurotransmitters, and response to combination Tafasitamab plus lenalidomide Tafasitamab, PFS, OS, and neurocognitive endpoints. V. To test the hypothesis that Tafasitamab in combination with lenalidomide impacts blood-brain barrier permeability associated with CNS lymphoma lesions, as assessed by albumin levels and MRI vascular permeability imaging metrics. VI. To explore the correlation between immune cell subsets and response and/or resistance to lenalidomide/Tafasitamab. VII. To evaluate the relationship between Minimal Residual Disease status (MRD) and response and PFS using either circulating tumor DNA or Clonoseg technologies. STUDY DESIGN: This is a single arm open-label multicenter phase I/II investigation of combination lenalidomide/Tafasitamab in patients with relapsed CNS lymphoma. During the phase 1 portion of the study, the investigators will examine three dose levels of Lenalidomide (10mg, 15mg and 20mg) in combination with Tafasitamab at a dose of 12 mg/kg. After MTD/RP2D is determined during phase 1, the phase 2 portion of the study will begin enrollment to the established dose. Participants will be followed for AEs 90 days after last dose/decision to discontinue treatment, or new treatments are administered and followed for overall survival/disease status for up to 1 year after last dose. Participants may continue study treatment until disease progression.

Phase 1 (Tafasitamab, Lenalidomide)
Participants will be given 12mg of
Tafasitamab on days 1, 4, 8, 15, and 22
of cycle 1, days 1, 8, 15, and 22 of
cycles 2 & 3, and days 1 and 15 for any
cycle thereafter. Participants will also be
given daily Lenalidomide on days 1-21 of
each cycle.

Phase 2 (Tafasitamab, Lenalidomide)
Participants will be given 12mg of
Tafasitamab on days 1, 4, 8, 15, and 22 of
cycle 1, days 1, 8, 15, and 22 of cycles 2 & 3,
and days 1 and 15 for any cycle thereafter.
Participants will also be given daily
Lenalidomide on days 1-21 of each cycle at
the recommended phase 2 dose.



GRAZIE

