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Platform Study of Novel Ruxolitinib Combinations in Myelofibrosis Patients

20/08/2025 09:52:09

Main Information	
Primary registry identifying number	Protocol number
LBCTR2022035001	CINC424H12201
MOH registration number	
Study registered at the country of origin	Study registered at the country of origin: Specify
Yes	
Type of registration	Type of registration: Justify
Prospective	N/A
Date of registration in national regulatory agency	
Primary sponsor	Primary sponsor: Country of origin
Novartis Pharmaceuticals	Novartis Pharmaceuticals
Date of registration in primary registry	Date of registration in national regulatory agency
12/08/2022	
Public title	Acronym
Platform Study of Novel Ruxolitinib Combinations in Myelofibrosis Patients	ADORE
Scientific title	Acronym
A Randomized, Open-label, Phase I/II Open Platform Study Evaluating Safety and Efficacy of Novel Ruxolitinib Combinations in Myelofibrosis Patients	
Brief summary of the study: English	
The purpose of this study is to investigate the safety, pharmacokinetics and preliminary efficacy of combinations treatment of ruxolitinib with 5 novel compounds: siremadlin, crizanlizumab, sabatolimab, LTT462 and NIS793 in myelofibrosis (MF) subjects.	
Brief summary of the study: Arabic	
دراسة لتقييم سلامة وفعاليّة استعمالات روكسوليتينيب مع أدوية جديدة لدى مرضى التليّف النقويّ	
Health conditions/problem studied: Specify	
Myelofibrosis	
Interventions: Specify	
 Drug: Ruxolitinib 5 mg tablets for oral use Other Name: INC424, Jakavi Drug: Siremadlin 10 mg, 20 mg, or 40 mg capsules for oral use Other Name: HDM201 Drug: Crizanlizumab 100 mg/mL concentrate for infusion for intravenous use Other Name: SEG101 	

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 Drug: Sabatolimab 100 mg/mL or 400 mg/4 mL concentrate for infusion for intravenous use Other Name: MBG453 Drug: LTT462 100 mg capsule for oral use Drug: NIS793 700 mg/7 mL concentrate for intravenous use 		
Key inclusion and exclusion criteria: Inclusion criteria		
 Subjects have diagnosis of primary myelofibrosis (PMF) according to the 20 essential thrombocythemia (ET) (PET-MF) or post-polycythemia vera (PV) m Group for Myelofibrosis Research and Treatment (IWG-MRT) 2007 criteria Palpable spleen of at least 5 cm from the left costal margin (LCM) to the poleast 450 cm3 per MRI or CT scan at baseline (a MRI/CT scan up to 8 weeks Have been treated with ruxolitinib for at least 24 weeks prior to first dose of Are stable (no dose adjustments) on the prescribed ruxolitinib dose (betwee of study treatment 	yelofibrosis (PPV-MF) according to int of greatest splenic protrusion or prior to first dose of study treatme study treatment	o the International Working enlarged spleen volume of at ent can be accepted).
Key inclusion and exclusion criteria: Gender	Key inclusion and exclusion cr	iteria: Specify gender
Both		
Kay inclusion and evolution exiteria. And minimum	Key inclusion and evolution of	itaria. Ana maximum
Key inclusion and exclusion criteria: Age minimum 18	Key inclusion and exclusion cri	nena. Age maximum
10	33	
Key inclusion and exclusion criteria: Exclusion criteria		
 Not able to understand and to comply with study instructions and requiremet Received any investigational agent for the treatment of MF (except ruxolitin lives of the study treatment, whichever is greater Peripheral blood blasts count of > 10%. Received a monoclonal antibody (Ab) or immunoglobulin-based agent withi reactions/immunogenicity (IG) to a prior biologic Splenic irradiation within 6 months prior to the first dose of study drug Received blood platelet transfusion within 28 days prior to first dose of study 	ib) within 30 days of first dose of sl n 1 year of screening, or has docu	
Type of study		
Interventional		
Type of intervention	Tune of intervention, Specify ty	
Pharmaceutical	Type of intervention: Specify ty N/A	he
Fhamaceutca		
Trial scope	Trial scope: Specify scope	
Therapy	N/A	
Study design: Allocation	Study design: Masking	
Randomized controlled trial	Open (masking not used)	
	open (masking her doed)	
Study design: Control	Study phase	
Active	1 to 2	
Study design: Purpose	Study design: Specify purpose	
Treatment	N/A	
Study design: Assignment	Study design: Specify assignm	ent
Parallel	N/A	
IMP has market authorization	IMP has market authorization: S	Specify
No		
Name of IMP	Year of authorization	Month of authorization
	ו כמו טו מענווטווצמנוטוו	
Ruxolitinib		
Type of IMP		



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Immunological **Pharmaceutical class** Janus Associated Kinase Inhibitor Therapeutic indication Myelofibrosis Therapeutic benefit progression free survival (PFS) Study model Study model: Explain model N/A N/A Study model: Specify model N/A **Time perspective** Time perspective: Explain time perspective N/A N/A Time perspective: Specify perspective N/A Target follow-up duration Target follow-up duration: Unit Number of groups/cohorts **Biospecimen retention Biospecimen description** Samples without DNA Samples will be shipped to Covance Central Lab Target sample size Actual enrollment target size 4 Date of first enrollment: Type Date of first enrollment: Date 28/04/2022 Anticipated Date of study closure: Type Date of study closure: Date 16/01/2024 Anticipated **Recruitment status Recruitment status: Specify** Suspended

Date of completion 20/07/2022

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IPD sharing statement plan

IPD sharing statement description



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Yes

Novartis is committed to sharing with qualified external researchers, access to patient-level data and supporting clinical documents from eligible studies. These requests are reviewed and approved by an independent expert panel on the basis of scientific merit. All data provided is anonymized to respect the privacy of patients who have participated in the trial in line with applicable laws and regulations.

This trial data is currently available according to the process described on www.clinicalstudydatarequest.com.

Additional data URL

https://clinicaltrials.gov/ct2/show/record/NCT04097821?term=CINC424H12201&draw=2&rank=1

Admin comments

Trial status

Approved

Secondary Identifying Numbers	
Full name of issuing authority	Secondary identifying number
Clinicaltrials.gov	NCT04097821

Sources of Monetary or Material Support	
Name	
Novartis Pharmaceuticals	

Secondary Sponsors	
Name	
N/A	

Contact for Public/Scientific Queries						
Contact type	Contact full name	Address	Country	Telephone	Email	Affiliation
Public	Ali Taher	Beirut	Lebanon	+9613755 669	ataher@aub.edu. lb	American University of Beirut Medical Center
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Centers/Hospitals Involved in the Study			
Center/Hospital name Name of principles investigator Principles investigator speciality Ethical approval			
American University of Beirut Medical Center	Ali Taher	Hematology-Oncology	Approved

Ethics Review				
Ethics approval obtained	Approval date	Contact name	Contact email	Contact phone
American University of Beirut Medical Center	24/01/2022	Fuad Ziyadeh	fz05@aub.edu.lb	+961 (0) 1 350 000 ext:5445

Countries of Recruitment
Name
Australia
Belgium
Canada
Denmark
Germany
Hungary
Italy
Netherlands
Russian Federation
Spain
Sweden
Switzerland
United Kingdom
Lebanon

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Health Conditions or Problems Studied		
Condition Code Keyword		
Myelofibrosis	Other specified diseases of blood and blood- forming organs (D75.8)	Myelofibrosis

Interventions		
Intervention	Description	Keyword
Consenting, IMP administration	Consenting, IMP administration	Consenting, IMP administration

Primary Outcomes		
Name	Time Points	Measure
Incidence of dose limiting toxicities within the first 2 cycles	Baseline to the end of Cycle 2 (6 or 8 weeks)	Incidence and severity of dose limiting toxicities within the first 2 cycles (6 or 8 weeks) in Part 1 of the study
Response rate at the end of cycle 6 or cycle 8	Baseline to the end of Cycle 6 or 8 (24 weeks)	Composite of anemia improvement (hemoglobin level) and no spleen volume progression and no symptom worsening in Part 2 and Part 3 of the study. For a subject to be considered a responder, all three components of the composite have to be fulfilled

Key Secondary Outcomes			
Name	Time Points	Measure	
Proportion of subjects achieving an improvement in hemoglobin level of ≥ 1.5 g/dL from baseline	Baseline to the end of Cycle 6 or 8 (24 weeks), and end of Cycle 12 or 16 (48 weeks)	Proportion of subjects achieving an improvement in hemoglobin level of at least >= 1.5 g/dL from baseline at each time point in Part 2 and Part 3 of the study.	
Proportion of subjects achieving an improvement in hemoglobin level of at least >= 2.0 g/dL from baseline	Baseline to the end of Cycle 6 or 8 (24 weeks), and end of Cycle 12 or 16 (48 weeks)	Proportion of subjects achieving an improvement in hemoglobin level of at least >= 2.0 g/dL from baseline at each time point in Part 2 and Part 3 of the study	
Change in spleen length from baseline	Baseline to day 1 and day 15 of Cycle 1, 2 and 3, day 1 of all subsequent cycles, and the end of 12 or 16 cycles (48 weeks)	Change in spleen length measured in centimeters by manual palpation summarized at each time point using descriptive statistics in Part 2 and Part 3 of the study	
Change in spleen volume from baseline	Baseline to the end of Cycle 6 or 8 (24 weeks), the end of Cycle 12 or 16 (48 weeks) and at the end of treatment if not performed in the past 12 weeks (up to 48 weeks)	Change in spleen volume measured by magnetic resonance imaging (MRI) or computed tomography (CT) summarized at each time point using descriptive statistics, in Part 2 and Part 3 of the study	
Change in symptoms of MFSAF v4.0 from baseline	Baseline to day 1 of Cycle 1, day 1 of all subsequent cycles of treatment (each cycle is 28 days except for arms containing NIS793, which are 21 days), as well as the end of treatment visit (approximately 52 weeks)	Change in total symptom scores (TSS) assessed by the Myelofibrosis (MF Symptom Assessment Form version 4.0 (MFSAF v4.0) at each time point in Part 2 and Part 3 of the study. The MFSAF v4.0 questionnaire focuses on the 7 core symptoms of MF: fatigue, night sweats, pruritus, abdominal discomfort, pain under the ribs on the left side, early satiety and bone pain. Subjects record symptom severity at it worst for each of the 7 symptoms on an 11-point numeric rating scale, from 0 (absent) to 10 (worst imaginable). The Total Symptom Score (TSS) is the sum of all the scores for all 7 symptoms.	

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Change in symptoms of EORTC QLQ-C30 from baseline	Baseline to day 1 of Cycle 1, day 1 of all subsequent cycles of treatment (each cycle is 28 days except for arms containing NIS793, which are 21 days), as well as the end of treatment visit (approximately 52 weeks)	Change in symptom scores assessed by European Organization for Research and Treatment of Cancer 30-item core quality of life questionnaire (EORTC QLQ C-30) at each time point in Part 2 and Part 3 of the study. The EORTC QLQ-C30 includes 5 functional scales (physical, emotional, social, role, cognitive), eight symptom scales (fatigue, pain, nausea/vomiting, constipation, diarrhea, insomnia, dyspnea, and appetite loss), as well as global health/quality-of-life and financial impact. Subjects respond according to the past week recall period, with the exception of the first 5 questions that represent physical functioning and capture the subject's current status. Raw scores are linearly converted to a 0-100 scale. For functional and global health status/QoL higher scores indicate better QoL and level of functioning; for symptom scales, higher scores indicate greater level of symptoms or difficulties.
Progression free survival, per progressive splenomegaly, accelerated phase, deteriorating cytopenia, leukemic transformation or death from any cause	Baseline to disease progression, which is up to 24 weeks for Part 1 or through study completion, an average of 1 year, for Part 2 and Part 3	Progressive splenomegaly is assessed by increasing spleen volume (by MRI/CT) of $\geq 25\%$ from baseline. Accelerated phase: a circulating peripheral blood blast content of $\geq 10\%$ but $\leq 20\%$ confirmed after 2 weeks. Deteriorating cytopenia (dCP) independent from treatment defined for all patients by platelet count $< 35 \times 10^{\circ}$ /L or neutrophil count $< 0.75 \times 10^{\circ}$ /L that lasts for at least 4 weeks. Leukemic transformation, a peripheral blood blast count of $\geq 20\%$ associated with an absolute blast count of $\geq 1\times10^{\circ}$ /L that lasts for at least 2 weeks or a bone marrow blast count of $\geq 20\%$.
Proportion of subjects achieving an impovement in bone marrow fibrosis of ≥ 1 grade from baseline	Baseline to the end of Cycle 6 or 8 (24 weeks), the end of Cycle 12 or 16 (48 weeks) and at the end of treatment if not performed in the past 12 weeks (up to 48 weeks)	Proportion of subjects achieving an improvement in bone marrow fibrosis of >= 1 grade at each time point will be summarized in Part 2 and Part 3 of the study.
Area under the Plasma Concentration versus Time Curve (AUC)	Days 1 and 5 of Cycle 1 and 2 for siremadlin and ruxolitinib, and Cycle 1 and Cycle 3 for crizanlizumab, sabatolimab and NIS793, and Days 1 and 15 of Cycle 1 for LTT462	AUC for each investigational drug in Part 1, Part 2 and Part 3 of the study
Maximum (peak) observed plasma drug concentration (Cmax)	sabatolimab and NIS793, and Days 1 and 15 of Cycle 1 for LTT462	Cmax for each investigational drug in Part 1, Part 2 and Part 3 of the study
Time to reach maximum (peak) plasma, blood, serum or other body fulid drug concentration after single dose administration (Tmax)	Days 1 and 5 of Cycle 1 and 2 for siremadlin and ruxolitinib, and Cycle 1 and Cycle 3 for crizanlizumab, sabatolimab and NIS793, and Days 1 and 15 of Cycle 1 for LTT462	Tmax for each investigational drug in Part 1, Part 2 and Part 3 of the study
Concentration versus time profile	Days 1 and 5 of Cycle 1 and 2 for siremadlin and ruxolitinib, and Cycle 1 and Cycle 3 for crizanlizumab, sabatolimab and NIS793, and Days 1 and 15 of Cycle 1 for LTT462	Concentration versus time profile for each investigational drug in Part 1, Part 2 and Part 3 of the study
Presence and/or concentration of anti-drug antibody	Baseline to 105 days after last study drug administration for crizanlizumab, to 150 days after last study drug administration for sabatolimab, or to 90 days after last study drug administration for NIS793	The presence and titer of anti-drug antibodies for crizanlizumab, sabatolimab and NIS793 in Part 1, Part 2 and Part 3 of the study

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Trial Results	
Summary results	
Study results globally	
Date of posting of results summaries	Date of first journal publication of results
Results URL link	
Baseline characteristics	
Participant flow	
Adverse events	
Outcome measures	
URL to protocol files	