

## Study of Efficacy and Safety of LEE011 in Postmenopausal Women With Advanced Breast Cancer.(MONALEESA-2)

23/08/2025 12:20:53

### **Main Information**

Primary registry identifying number

LBCTR2019050229

MOH registration number

Study registered at the country of origin

Type of registration

Retrospective

LCTR was recently initiated, original file was previously submitted

by Paper

Protocol number

CLEE011A2301

Date of registration in national regulatory

05/11/2014

**Primary sponsor** 

Novartis Pharma Services Inc.

Date of registration in primary registry

08/07/2019

**Public title** 

Study of Efficacy and Safety of LEE011 in Postmenopausal Women With Advanced Breast Cancer (MONALEESA-2)

Scientific title

A Randomized Double-blind, Placebo-controlled Study of LEE011 in Combination With Letrozole for the Treatment of Postmenopausal Women With Hormone Receptor Positive, HER2 Negative, Advanced Breast Cancer Who Received no Prior Therapy for Advanced Disease

Brief summary of the study: English

This is a multi-center, randomized, double-blinded, placebo controlled trial., The primary purpose of this study was to assess the efficacy of LEE011, as measured by progression free survival (PFS), in postmenopausal women with HR positive, HER2 negative advanced breast cancer who received no prior treatment for advanced disease.

Brief summary of the study: Arabic

وفعاليته في معالجة Letrozole مع ليتروزول LEE011 ددراسة عشوائية مزدوجة التعمية ومضبّطة بدواء وهميّ حول سلامة استخدام الدواء واللواتي لم يتلقين علاجًا سابقًا للمرض في2النساء بعد انقطاع الطمث المصابات بسرطان ثدي متقدّم إيجابيً مستقبلات الهرمون وسلبيُّ الهير مراحله المتقدمة

Health conditions/problem studied: Specify

**Advanced Breast Cancer** 

Interventions: Specify

Ribociclib was administered orally at a dose of 600 mg once daily (three 200 mg capsules).

Drug: Letrozole

Primary sponsor: Country of origin

**Novartis Pharmaceuticals** 

Type of registration: Justify

Date of registration in national regulatory agency

Study registered at the country of origin: Specify

05/11/2014

Acronym

Acronym



Letrozole 2.5 mg tablets taken orally.

•Drug: LEE011 Placebo

Matching ribociclib placebo was the control drug and was administered orally once daily.

### Key inclusion and exclusion criteria: Inclusion criteria

- 1. Women with advanced (locoregionally recurrent or metastatic) breast cancer not amenable to curative therapy.
- 2. Patient is postmenopausal. Postmenopausal status is defined either by:
- Prior bilateral oophorectomy
- •Age <60 and amenorrhea for 12 or more months (in the absence of chemotherapy, tamoxifen, toremifen, or ovarian suppression) and FSH and estradiol in the postmenopausal range per local normal range Note: For women with therapy-induced amenorrhea, serial measurements of FSH and/or estradiol are needed to ensure postmenopausal status. Ovarian radiation or treatment with a luteinizing hormone-releasing hormone agonist (LH-RHa) (goserelin acetate or leuprolide acetate) is not permitted for induction of ovarian suppression in this trial.
- 3.No prior systemic anti-cancer therapy for advanced disease.
- 4. Patient has a histologically and/or cytologically confirmed diagnosis of estrogen-receptor positive and/or progesterone receptor positive breast cancer by local laboratory.
- 5.Patient has HER2-negative breast cancer defined as a negative in situ hybridization test or an IHC status of 0, 1+ or 2+. If IHC is 2+, a negative in situ hybridization (FISH, CISH, or SISH) test is required by local laboratory testing.
- 6.Patient must have either:
- · Measurable disease, i.e., at least one measurable lesion as per RECIST 1.1 criteria (Tumor lesions previously irradiated or subjected to other locoregional therapy will only be considered measurable if disease progression at the treated site after completion of therapy is clearly documented).

- If no measurable disease is present, then at least one predominantly lytic bone lesion must be present (Patients with no measurable disease and only one predominantly lytic bone lesion that has been previously irradiated are eligible if there is documented evidence of disease progression of the bone lesion after irradiation).
- 7. Patient has an Eastern Cooperative Oncology Group (ECOG) performance status 0 or 1

Key inclusion and exclusion criteria: Gender

Key inclusion and exclusion criteria: Specify gender

Female

Key inclusion and exclusion criteria: Age minimum

Key inclusion and exclusion criteria: Age maximum

### Key inclusion and exclusion criteria: Exclusion criteria

- 1.Patient who received any CDK4/6 inhibitor.
- 2.Patient who received any prior systemic anti-cancer therapy (including hormonal therapy and chemotherapy) for advanced breast cancer

- Patients who received (neo) adjuvant therapy for breast cancer are eligible. If the prior neo (adjuvant) therapy included letrozole or anastrozole the disease free interval must be greater than 12 months from the completion of treatment until randomization.
- ∘Patients who received ≤ 14 days of letrozole or anastrozole for advanced disease prior to randomization are eligible.
- oAny prior (neo) adjuvant anti-cancer therapy must be stopped at least 5 half-lives or 7 days, whichever is longer, before randomization
- 3. Patient is concurrently using other anti-cancer therapy.
- 4.Patient has a concurrent malignancy or malignancy within 3 years of randomization, with the exception of adequately treated, basal or squamous cell carcinoma, non-melanomatous skin cancer or curatively resected cervical cancer.
- 5. Patient has active cardiac disease or a history of cardiac dysfunction including any of the following:
- ·History of angina pectoris, symptomatic pericarditis, or myocardial infarction within 12 months prior to study entry
- ·History of documented congestive heart failure (New York Heart Association functional classification III-IV)
- Documented cardiomyopathy
- Patient has a Left Ventricular Ejection Fraction (LVEF) < 50% as determined by Multiple Gated acquisition (MUGA) scan or echocardiogram (ECHO)
- ·History of any cardiac arrhythmias, e.g., ventricular, supraventricular, nodal arrhythmias, or conduction abnormality in the previous 12 months.
- On screening, any of the following cardiac parameters:

bradycardia (heart rate < 50 at rest), tachycardia (heart rate > 90 at rest), PR interval > 220 msec, QRS interval >109 msec, or QTcF >450 msec.

Systolic blood pressure >160 or <90 mmHg</li>





- 6. Patient is currently receiving any of the following medications and cannot be discontinued 7 days prior start if the treatment:
- •That are known strong inducers or inhibitors of CYP3A4.
- •That have a known risk to prolong the QT interval or induce Torsades de Pointes.
- •That have a narrow therapeutic window and are predominantly metabolized through CYP3A4.
- Herbal preparations/medications

Type of study

Interventional

Type of intervention Type of intervention: Specify type

Pharmaceutical N/A

Trial scope: Specify scope Trial scope

N/A Therapy

Study design: Allocation Study design: Masking Randomized controlled trial Blinded (masking used)

Study design: Control Study phase

Placebo

Study design: Purpose Study design: Specify purpose

Treatment

Study design: Assignment Study design: Specify assignment

Parallel

IMP has market authorization IMP has market authorization: Specify

Yes, Lebanon and Worldwide Lebanon and Worldwide

Name of IMP Year of authorization Month of authorization

N/A

Ribociclib 2017

Type of IMP

Others

Pharmaceutical class

Orally bioavailable, highly selective small molecule inhibitor of cyclin-dependent kinases 4 and 6

(CDK4/6).

Therapeutic indication

postmenopausal women with hormone receptor positive, HER2-negative, advanced breast cancer who received no prior therapy for advanced

disease.

Therapeutic benefit

increase OS & 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





Time perspective: Specify perspective

N/A

N/A

Target follow-up duration

Target follow-up duration: Unit

Number of groups/cohorts

Biospecimen retention

Samples with DNA\*\*

Biospecimen description

Actual enrollment target size

Date of first enrollment: Date

Date of study closure: Date

**Recruitment status: Specify** 

29/04/2014

20/12/2021

Samples with circulating tumor DNA will be done, in addition to safety Labs ( CBC, chemistry ) sent to central lab: Covance located in Switzerland.

Target sample size

15

Date of first enrollment: Type

Actual

Date of study closure: Type

Actual

Recruitment status

Complete

Date of completion

IPD sharing statement plan

12/02/2015

Yes

IPD sharing statement description

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.

URL: http://www.clinicalstudydatarequest.com

Additional data URL

https://clinicaltrials.gov/ct2/show/record/NCT01958021?id=CLEE011A2301&rank=1

**Admin comments** 

Trial status

Approved



Secondary Identifying Numbers		
Full name of issuing authority	Secondary identifying number	
Clinicaltrials.gov	NCT01958021	

### **Sources of Monetary or Material Support**

Name

Novartis Pharma Services Inc.

### **Secondary Sponsors**

No Sponsors

Contact for Public/Scientific Queries						
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Centers/Hospitals Involved in the Study			
Center/Hospital name	Name of principles investigator	Principles investigator speciality	Ethical approval
Hotel Dieu De France	Dr Joseph Kattan	Hematology Oncology	Approved
Hammoud Hospital University Medical Center	Dr Fadi Farhat	Hematology Oncology	Approved
Bellevue Medical Center	Dr Fadi El Karak	Hematology Oncology	Approved
American University of Beirut Medical Center	Dr Ziad Salem	Hematology Oncology	Approved

Ethics Review				
Ethics approval obtained	Approval date	Contact name	Contact email	Contact phone
American University of Beirut Medical Center	05/09/2014	Fuad Ziyadeh	fz05@aub.edu.lb	+961 (0) 1 350 000 ext:5445
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Hammoud Hospital University Medical Center	30/10/2013	Ahmad Zaatari	zaatari@hammoudhospital.com	+961 (0) 7 723111 ext 1160



Countries of Recruitment
Name
Lebanon
Argentina
Australia
Austria
Belgium
Brazil
Canada
Denmark
Finland
France
Germany
Hungary
Ireland
Italy
Netherlands
Norway
Singapore
Spain
Sweden
Turkey
United Kingdom
United States of America



Health Conditions or Problems Studied		
Condition Code Keyword		
Advanced Breast Cancer	Malignant neoplasm of breast (C50)	ABC

Interventions		
Intervention	Description	Keyword
Physical Exam, Vital signs, ECG, Echocardiography, Urinalysis, Serum/ urine pregnancy test, lab test, completion of QoL questionnaires	Physical Exam, Vital signs, ECG, Echocardiography, Urinalysis, Serum/ urine pregnancy test, lab test, completion of QoL questionnaires	ICF, Lab, IMP, radiology

Primary Outcomes		
Name	Time Points	Measure
Progression Free Survival	20 months	PFS up to approximately 20 months

Key Secondary Outcomes		
Name	Time Points	Measure
Overall Response Rate (ORR)	20 months	20 months
Overall survival	65 months	65 months



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	