



A phase III randomized double-blind, placebo controlled study of alpelisib in combination with fulvestrant for men and postmenopausal women with hormone receptor positive, HER2-negative advanced breast cancer which progressed on or after aromatase inhibitor treatment

12/08/2025 18:20:49

Main Information

Primary registry identifying number

LBCTR2019030190

Protocol number

CBYL719C2301

MOH registration number

7829/ص

Study registered at the country of origin

Yes

Study registered at the country of origin: Specify

Type of registration

Retrospective

Type of registration: Justify

LCTR was recently initiated, original file was previously submitted by Paper

Date of registration in national regulatory agency

27/08/2015

Primary sponsor

Novartis Pharma Services Inc.

Primary sponsor: Country of origin

Novartis Pharmaceuticals

Date of registration in primary registry

17/02/2020

Date of registration in national regulatory agency

27/08/2015

Public title

A phase III randomized double-blind, placebo controlled study of alpelisib in combination with fulvestrant for men and postmenopausal women with hormone receptor positive, HER2-negative advanced breast cancer which progressed on or after aromatase inhibitor treatment

Acronym

SOLAR-1

Scientific title

SOLAR-1: A phase III randomized double-blind, placebo controlled study of alpelisib in combination with fulvestrant for men and postmenopausal women with hormone receptor positive, HER2-negative advanced breast cancer which progressed on or after aromatase inhibitor treatment

Acronym

Brief summary of the study: English

To determine whether treatment with alpelisib plus fulvestrant prolongs progression-free survival compared to fulvestrant and placebo in men and postmenopausal women with hormone receptor positive (HR+), HER2-negative advanced breast cancer, who received prior treatment with an Aromatase Inhibitor either as (neo) adjuvant or for advanced disease

Brief summary of the study: Arabic

: دراسة عشوائية التوزيع، مزدوجة التعمية، مضبوطة الدواء الوهمي في المرحلة الثالثة حول اليبليسب بالاشتراك مع فولفسترانت1سولار - سلبي الذي تطوّر عند أو بعد - HER2 للرجال والنساء ما بعد انقطاع الطمث المصابين بسرطان الثدي المتقدم مع مستقبل هورمون إيجابي علاج بمثبط للأروماتاز



**Health conditions/problem studied: Specify**

men and postmenopausal women with hormone receptor positive, HER2-negative advanced breast cancer which progressed on or after aromatase inhibitor treatment

Interventions: Specify

IMP : BYL719 Alpelisib

Key inclusion and exclusion criteria: Inclusion criteria**Inclusion Criteria:**

- If female, patient is postmenopausal
- Patient has identified PIK3CA status
- Patients may be:
 - relapsed with documented evidence of progression while on (neo) adjuvant endocrine therapy or within 12 months from completion of (neo) adjuvant endocrine therapy with no treatment for metastatic disease;
 - relapsed with documented evidence of progression more than 12 months from completion of (neo)adjuvant endocrine therapy and then subsequently; progressed with documented evidence of progression while on or after only one line of endocrine therapy for metastatic disease;
 - newly diagnosed advanced breast cancer, then relapsed with documented evidence of progression while on or after only one line of endocrine therapy
- Patient has recurrence or progression of disease during or after AI therapy (i.e. letrozole, anastrozole, exemestane).
- Patient has a histologically and/or cytologically confirmed diagnosis of estrogen-receptor positive breast cancer by local laboratory and has HER2 negative breast cancer
- Patient has either measurable disease per RECIST 1.1 criteria OR at least one predominantly lytic bone lesion must be present
- Patient has adequate bone marrow function

Key inclusion and exclusion criteria: Gender

Both

Key inclusion and exclusion criteria: Specify gender**Key inclusion and exclusion criteria: Age minimum**

18

Key inclusion and exclusion criteria: Age maximum

99

Key inclusion and exclusion criteria: Exclusion criteria**Exclusion Criteria:**

- Patient with symptomatic visceral disease or any disease burden that makes the patient ineligible for endocrine therapy per the investigator's best judgment
- Patient has received prior treatment with chemotherapy (except for neoadjuvant/ adjuvant chemotherapy), fulvestrant, any PI3K, mTOR or AKT inhibitor (pre-treatment with CDK4/6 inhibitors is allowed)
- Patient with inflammatory breast cancer at screening
- Patients with Child pugh score B or C
- Patients with an established diagnosis of diabetes mellitus type I or not controlled type II
- Patient has Eastern Cooperative Oncology Group (ECOG) performance status 2 or more
- Patient with CNS involvement unless he/she is at least 4 weeks from prior therapy completion to starting the study treatment and has stable CNS tumor at time of screening and not receiving steroids and/or enzyme inducing ant-epileptic medications for brain metastases
- Patient has participated in a prior investigational study within 30 days prior to enrollment or within 5 half-lives of the investigational product, whichever is longer
- Patient has a history of acute pancreatitis within 1 year of screening or a past medical history of chronic pancreatitis
- Patient who relapsed with documented evidence of progression more than 12 months from completion of (neo)adjuvant endocrine therapy with no treatment for metastatic disease

Other protocol-defined inclusion/exclusion criteria may apply

Type of study

Interventional

Type of intervention

Pharmaceutical

Type of intervention: Specify type

N/A

Trial scope

Therapy

Trial scope: Specify scope

N/A

Study design: Allocation

Randomized controlled trial

Study design: Masking

Blinded (masking used)

**Study design: Control**

Placebo

Study phase

3

Study design: Purpose

Treatment

Study design: Specify purpose

N/A

Study design: Assignment

Parallel

Study design: Specify assignment

N/A

IMP has market authorization

No

IMP has market authorization: Specify**Name of IMP**

BYL719 (ALpelisib)

Year of authorization**Month of authorization****Type of IMP**

Others

Pharmaceutical class

α -specific class I phosphatidylinositol-3-kinase (PI3K) inhibitor belonging to the 2-aminothiazole class of compounds.

Therapeutic indication

hormone receptor positive, HER2-negative advanced breast cancer which progressed on or after aromatase inhibitor treatment

Therapeutic benefit

Progression-free survival (PFS) [Time Frame: Up to approximately 36 months]

Overall survival (OS) for patients with PI3KCA mutant status [Time Frame: Up to approximately 59 months]

Overall response rate (ORR) [Time Frame: Up to approximately 36 months]

Time to definitive deterioration of Eastern Cooperative Oncology Group (ECOG) performance status

[Time Frame: Baseline, Up to approximately 36 months]

Study model

N/A

Study model: Explain model

N/A

Study model: Specify model

N/A

Time perspective

N/A

Time perspective: Explain time perspective

N/A

Time perspective: Specify perspective

N/A

Target follow-up duration**Target follow-up duration: Unit****Number of groups/cohorts****Biospecimen retention**

Samples without DNA

Biospecimen description



Blood, urine and Tissue samples shipped to Quintiles central Lab or Genoptix BioPharma Lab in the UK ; Laboratory (Hematology, chemistry, biomarkers, pharmacokinetics), Urinalysis shipped to Quintiles (Q2) central Lab in the UK and Tissue Slides sent to Genoptix Central Lab in the UK

Target sample size

8

Actual enrollment target size

8

Date of first enrollment: Type

Actual

Date of first enrollment: Date

16/02/2016

Date of study closure: Type

Actual

Date of study closure: Date

28/04/2022

Recruitment status

Complete

Recruitment status: Specify**Date of completion**

09/06/2017

IPD sharing statement plan

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 review 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 availability is according to the criteria and process described on www.clinicalstudydatarequest.com

Additional data URL

<https://clinicaltrials.gov/ct2/show/NCT02437318?term=CBYL719C2301&rank=1>

Admin comments**Trial status**

Approved

Secondary Identifying Numbers

| Full name of issuing authority | Secondary identifying number |
|---|------------------------------|
| National Institute of Health (clinicaltrials.gov) | NCT02437318 |

Sources of Monetary or Material Support

| Name |
|-------------------------------|
| Novartis Pharma Services Inc. |



Secondary Sponsors

Name

NA

Contact for Public/Scientific Queries

| Contact type | Contact full name | Address | Country | Telephone | Email | Affiliation |
|--------------|-------------------|------------|---------|------------------------|-------------------------------|------------------------------|
| Public | Joseph Kattan | Beirut | Lebanon | 009613635913 | jkattan62@hotmail.com | Hotel Dieu De France |
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| Public | Fadi Farhat | Saida | Lebanon | +9613753155 | drfadi.trials@gmail.com | Hammoud Hospital |

Centers/Hospitals Involved in the Study

| Center/Hospital name | Name of principles investigator | Principles investigator speciality | Ethical approval |
|--|---------------------------------|------------------------------------|------------------|
| Hammoud Hospital University Medical Center | Dr Fadi Farhat | Hematology Oncology | Approved |
| Bellevue Medical Center | Dr Fadi El Karak | Hematology Oncology | Approved |
| Hotel Dieu De France | Dr Joseph Kattan | Hematology Oncology | Approved |

Ethics Review

| Ethics approval obtained | Approval date | Contact name | Contact email | Contact phone |
|--|---------------|-----------------|-----------------------------|----------------------------|
| Hotel Dieu de France | 01/06/2015 | Nancy Alam | nancy.alam@usj.edu.lb | +961 (0) 1 421000 ext 2335 |
| Bellevue Medical Center | 04/09/2015 | Ghassan Maalouf | gmaalouf@bmc.com.lb | +961 (0) 1 682666 ext 7600 |
| Hammoud Hospital University Medical Center | 05/08/2015 | Ahmad Zaatari | zaatari@hammoudhospital.com | +961 (0) 7 723111 ext 1160 |



Countries of Recruitment

| Name |
|-----------|
| Argentina |
| Australia |
| Austria |
| Belgium |
| Brazil |
| Bulgaria |
| Canada |
| Chile |
| Lebanon |
| China |
| Germany |
| Italy |
| France |
| India |

Health Conditions or Problems Studied

| Condition | Code | Keyword |
|------------------------|-----------------------------|---------|
| Advanced Breast Cancer | Breast, unspecified (C50.9) | ABC |

Interventions

| Intervention | Description | Keyword |
|---|-----------------------------------|--------------------|
| Laboratory (Hematology, chemistry, biomarkers, pharmacokinetics), Urinalysis, ECG, Echocardiography, Physical Exam, Vital Signs | Lab, ICF, ECG, IMP administration | ICF, Lab, ECG, IMP |

Primary Outcomes

| Name | Time Points | Measure |
|--|-------------------------------|-----------|
| Progression-free survival (PFS) for patients with PIK3CA mutant status | Up to approximately 36 months | 36 Months |



Key Secondary Outcomes

| Name | Time Points | Measure |
|--|-------------|-----------|
| Overall survival (OS) for patients with PI3KCA mutant status | 59 months | 59 months |
| Overall response rate (ORR) | 36 months | 36 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