

RADIANT 4 - Everolimus Plus Best Supportive Care vs Placebo Plus Best Supportive Care in the Treatment of Patients With Advanced Neuroendocrine Tumors (GI or Lung Origin)

11/09/2025 14:11:18

Main Information

Primary registry identifying number

LBCTR2020011379

MOH registration number

ص/262

Study registered at the country of origin

Type of registration

Retrospective

Date of registration in national regulatory

13/01/2015

Primary sponsor

Novartis Pharmaceuticals

Date of registration in primary registry

23/08/2021

Public title

RADIANT 4 - Everolimus Plus Best Supportive Care vs Placebo Plus Best Supportive Care in the Treatment of Patients With Advanced Neuroendocrine Tumors (GI or Lung Origin)

Scientific title

A Randomized, Double-blind, Multicenter, Phase III Study of Everolimus (RAD001) Plus Best Supportive Care Versus Placebo Plus Best Supportive Care in the Treatment of Patients With Advanced NET of GI or Lung Origin

Brief summary of the study: English

The purpose of this study is to compare the antitumor activity of everolimus plus best supportive care versus placebo plus best supportive care in patients with advanced nonfunctional neuroendocrine tumor of gastrointestinal or lung origin.

Brief summary of the study: Arabic

بالإضافة إلى أفضل عناية داعمة مقابل(RAD001) إيفيروليموسEverolimusدراسة عشوائية ومتعددة المراكز في المرحلة الثالثة لدواء العلاج الإرضائي وأفضل عناية داعمة في علاج المرضي المصابين بحالة متقدمة من أورام الغدد الصمّ العصبية يكون مصدرها معديًا معويًا أو 4مشع-(FADIANT) - رئويًا

Health conditions/problem studied: Specify

Advanced Nonfunctional NeuroEndocrine Tumor

Interventions: Specify

Drug Everolimus

After randomization, patients will receive everolimus once daily until disease progression, intolerable toxicity, or consent withdrawal

Other Name: RAD001

Protocol number

CRAD001T2302

Study registered at the country of origin: Specify

Type of registration: Justify

This study was submitted prior to LBCTR initiation

Primary sponsor: Country of origin

Novartis Pharmaceuticals

Date of registration in national regulatory agency

13/01/2015

Acronym

Acronym



•Drug: Everolimus Placebo

After randomization, patients will receive everolimus placebo once daily until disease progression, intolerable toxicity, or consent withdrawal

Key inclusion and exclusion criteria: Inclusion criteria

- •Pathologically confirmed, well differentiated (G1 or G2), advanced (unresectable or metastatic), neuroendocrine tumor of GI or lung origin
- •No history of and no active symptoms related to carcinoid syndrome
- •In addition to treatment-naive patients, patients previously treated with SSA, Interferon (IFN), one prior line of chemotherapy, and/or PRRT are allowed into the study. Pretreated patients must have progressed on or after the last treatment
- •Radiological documented disease progression within 6 months prior to randomization
- Measurable disease
- •WHO performance status ≤1
- •Adequate bone marrow, liver and renal function

Key inclusion and exclusion criteria: Gender

Key inclusion and exclusion criteria: Specify gender

Both

Key inclusion and exclusion criteria: Age minimum

Key inclusion and exclusion criteria: Age maximum

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Key inclusion and exclusion criteria: Exclusion criteria

- •Patients with poorly differentiated neuroendocrine carcinoma, high-grade neuroendocrine carcinoma, adenocarcinoid, pancreatic islet cell carcinoma, insulinoma, glucagonoma, gastrinoma, goblet cell carcinoid, large cell neuroendocrine carcinoma and small cell carcinoma
- •Patients with pancreatic NET or NET of origins other than GI or Lung
- •Patients with history of or active symptoms of carcinoid syndrome (e.g. flushing, diarrhea)
- ·Patients with more than one line of prior chemotherapy
- Prior targeted therapy
- •Hepatic locoregional therapy within the last 6 months
- •Prior therapy with mTOR inhibitors (e.g. sirolimus, temsirolimus, deforolimus)
- •Known intolerance or hypersensitivity to everolimus or other rapamycin analogs (e.g. sirolimus, temsirolimus)
- •Known impairment of gastrointestinal (GI) function or GI disease that may significantly alter the absorption of oral everolimus
- •Uncontrolled diabetes mellitus as defined by HbA1c >8% despite adequate therapy
- •Patients who have any severe and/or uncontrolled medical conditions such as:
- ∘unstable angina pectoris, symptomatic congestive heart failure, myocardial infarction ≤6 months prior to randomization, serious uncontrolled cardiac arrhythmia

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- •active or uncontrolled severe infection
- •liver disease such as cirrhosis, decompensated liver disease, and chronic hepatitis (i.e. quantifiable HBV-DNA and/or positive HbsAg, quantifiable HCV-RNA)
- •Chronic treatment with corticosteroids or other immunosuppressive agents
- •Known history of HIV seropositivity
- •Pregnant or nursing (lactating) women

Other protocol-defined inclusion/exclusion criteria may apply.

Type of study

Interventional

Type of intervention Type of intervention: Specify type

Pharmaceutical N/A

Trial scope Trial scope: Specify scope

Therapy

Study design: AllocationStudy design: MaskingRandomized controlled trialOpen (masking not used)

Study design: Control Study phase

Placebo

Study design: Purpose Study design: Specify purpose

Treatment N/A

Study design: Assignment Study design: Specify assignment



Parallel

IMP has market authorization

Yes, Lebanon and Worldwide

Name of IMP

everolimus (RAD001)

Type of IMP

Cell therapy

Pharmaceutical class

proliferation signal inhibitor in the mammalian target of rapamycin (mTOR)

Therapeutic indication

proliferation signal inhibitor in the mammalian target of rapamycin (mTOR)

Therapeutic benefit

Progression Free Survival (PFS)

Study model

N/A

Study model: Specify model

N/A

Time perspective

N/A

Time perspective: Specify perspective

N/A

Target follow-up duration

Number of groups/cohorts

Biospecimen retention

Samples without DNA

Target sample size

Date of first enrollment: Type

Actual

Date of study closure: Type

N/A

IMP has market authorization: Specify

Austria, Belgium, Canada, China, Colombia, Czechia,

Germany, ...

Year of authorization

Month of authorization

2010

Study model: Explain model

N/A

Time perspective: Explain time perspective

N/A

Target follow-up duration: Unit

Biospecimen description

Samples are sent to central quintiles laboratories

Actual enrollment target size

Date of first enrollment: Date

25/09/2012

Date of study closure: Date



Actual

Recruitment status

Complete

Date of completion

17/07/2013

IPD sharing statement plan

No

Additional data URL

https://clinicaltrials.gov/ct2/show/record/NCT01524783

Admin comments

Trial status

Approved

04/06/2021

Recruitment status: Specify

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

Secondary Identifying Numbers		
	Full name of issuing authority	Secondary identifying number
	Clinical trials.gov	NCT01524783

Sources of Monetary or Material Support

Name

Novartis Pharmaceuticals

Secondary Sponsors

Name

NA



Contact for Public/Scientific Queries						
Contact type	Contact full name	Address	Country	Telephone	Email	Affiliation
Public	Ali Shamseddin	Beirut	Lebanon	03344277	as04@aub.edu.l b	American University of beirut Medical Center
Scientific	Hind Khairallah	Sin elfil	Lebanon	01512002# 271	Hind.Khairallah@ fattal.com.lb	Khalil Fattal et Fils s.a.l.
Public	Joseph Kattan	Beirut	Lebanon	011424942	jkattan62@hotm ail.com	Hotel Dieu De France

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 Shamseddin	Hematology	Approved
Hotel Dieu De France	Joseph Kattan	Hematology	Approved

Ethics Review	Ethics Review				
Ethics approval obtained	Approval date	Contact name	Contact email	Contact phone	
American University of Beirut Medical Center	11/03/2013	Fuad Ziyadeh	fz05@aub.edu.lb	961 (0) 1 350 000 ext:5445	
Hotel Dieu de France	07/05/2012	Nancy Alam	nancy.alam@usj.edu.lb	961 (0) 1 421000 ext 2335	



Countries of Recruitment		
Name		
Lebanon		
Australia		
Belgium		
Canada		
China		
Colombia		
Greece		
Italy		
Norway		
Saudi Arabia		
Turkey		
United Arab Emirates		
United States of America		

Health Conditions or Problems Studied		
Condition	Code	Keyword
Neuroendocrine tumor	Endocrine gland, unspecified (C75.9)	Neuroendocrine tumor

Interventions		
Intervention	Description	Keyword
ICF, Lab tests , physical exam, radiology	ICF, Lab tests , physical exam, radiology	ICF, Lab tests , physical exam, radiology

Primary Outcomes		
Name	Time Points	Measure
Progression Free Survival (PFS) Based on Central Radiology Assessment Per Kaplan-Meier	18 months	18 months



Key Secondary Outcomes		
Name	Time Points	Measure
Overall Survival (OS) Using Kaplan-Meier	18 Months	18 Months
Overall Safety Evaluation of Everolimus Versus Placebo	5 years	5 years

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	