



# A NON-INTERVENTIONAL, MULTICENTER, MULTIPLE COHORT STUDY INVESTIGATING THE OUTCOMES AND SAFETY OF ATEZOLIZUMAB UNDER REAL-WORLD CONDITIONS IN PATIENTS TREATED IN ROUTINE CLINICAL PRACTICE

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## Main Information

**Primary registry identifying number**

LBCTR2020033423

**Protocol number**

MO40653

**MOH registration number**

**Study registered at the country of origin**

Yes

**Study registered at the country of origin: Specify**

**Type of registration**

Prospective

**Type of registration: Justify**

N/A

**Date of registration in national regulatory agency**

07/01/2020

**Primary sponsor**

F. HOFFMANN-LA ROCHE LTD

**Primary sponsor: Country of origin**

Germany

**Date of registration in primary registry**

20/03/2020

**Date of registration in national regulatory agency**

07/01/2020

**Public title**

A NON-INTERVENTIONAL, MULTICENTER, MULTIPLE COHORT STUDY INVESTIGATING THE OUTCOMES AND SAFETY OF ATEZOLIZUMAB UNDER REAL-WORLD CONDITIONS IN PATIENTS TREATED IN ROUTINE CLINICAL PRACTICE

**Acronym**

IMReal

**Scientific title**

A NON-INTERVENTIONAL, MULTICENTER, MULTIPLE COHORT STUDY INVESTIGATING THE OUTCOMES AND SAFETY OF ATEZOLIZUMAB UNDER REAL-WORLD CONDITIONS IN PATIENTS TREATED IN ROUTINE CLINICAL PRACTICE

**Acronym**

IMReal

**Brief summary of the study: English**





In the real world, the clinical benefit, and safety of atezolizumab have not yet been established. This study will contribute to the understanding of the short and long-term outcomes and safety of atezolizumab in patients with locally advanced/metastatic UC, locally advanced/metastatic NSCLC and ES-SCLC in the real-world setting.

The study aims to address the following research questions in patients treated with atezolizumab for the first time for the approved indications, in the real-world setting of routine clinical practice:

- What are the clinical outcomes of atezolizumab?
- What is the quality of life of patients treated with atezolizumab?
- What is the safety profile of atezolizumab?
- What is the sociodemographic and clinical profile of patients treated with atezolizumab?
- What are the characteristics of atezolizumab treatment (e.g. treatment duration, discontinuation, interruption, number of cycles)?
- What are the characteristics of prior and subsequent cancer-related therapies?
- What is the healthcare resource utilisation and associated cost of atezolizumab treatment?
- What are non-healthcare consequences and associated costs of atezolizumab?

### Brief summary of the study: Arabic

إن الهدف من هذه الدراسة الرصدية معرفة كيف يعمل العلاج باتيزوليزوماب في "الحياة الحقيقية"، في سياق الممارسة الطبية الروتينية كذلك، بواسطة هذه الدراسة، يمكن الاستحصال على معلومات إضافية تتعلق بالأمان، أي معلومات حول مدى تحمل المريض للدواء عندما يوصف له في إطار الممارسة الطبية اليومية هناك العديد من العوامل التي لا يمكن دراستها إلا في الممارسة اليومية، على وجه الخصوص إذا كان عدد المرضى المشاركين كبيراً؛ على سبيل المثال، يمكن اكتشاف آثار جانبية غير معروفة كثيراً للدواء، كما يمكن ملاحظة تأثير تغيير الجرعات أو الأدوية المصاحبة، الخ. من شأن هذه المعلومات أن تساعد الأطباء ليعرفوا بصورة أفضل كيفية استخدام اتيزوليزوماب، كما من شأنها أن تحسن إلى الحد الأقصى علاج المرضى المشاركين.

### Health conditions/problem studied: Specify

Patients diagnosed with locally advanced/metastatic non-small cell lung cancer (NSCLC) after prior chemotherapy. Patients with epidermal growth factor receptor (EGFR) activating mutations or anaplastic lymphoma kinase (ALK)- positive tumor mutations should also have received targeted therapy

### Interventions: Specify

Non-interventional study.

### Key inclusion and exclusion criteria: Inclusion criteria

Patients must meet the following criteria for study entry:

1. Patient must have one of the following confirmed diagnoses for which atezolizumab is locally approved in the SmPC:
  - o As monotherapy for the treatment of adult patients with locally advanced/metastatic UC after prior platinum-containing chemotherapy (Cohort 1 LOT2+ mUC).
  - o In combination with bevacizumab, paclitaxel and carboplatin for the first line treatment of adult patients with metastatic non-squamous NSCLC. Patients with EGFR activating mutations or ALK- positive tumour mutations should also have received targeted therapy (i.e. ALK /EGFR-TKIs) before receiving atezolizumab (Cohort 2 LOT2+ NSCLC).
  - o In combination with carboplatin and etoposide, is indicated for the first-line treatment of adult patients with extensive-stage small cell lung cancer (ES-SCLC) (Cohort 4 LOT1 ES-SCLC)
2. Patient is prescribed atezolizumab therapy for the first time
3. Decision to prescribe atezolizumab must be made and documented prior to inclusion into the study and must follow local clinical practice.
4. Patient is aged  $\geq 18$  years or older at the index date.
5. Patient has signed an informed consent form according to local regulations.
6. Data collection can only start after the signing of informed consent and not more than 28 days after initiation of atezolizumab. In countries where enrollment is only allowed after the treatment start, enrollment must be preceded by the administration of the first cycle of atezolizumab.

### 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

100

### Key inclusion and exclusion criteria: Exclusion criteria

Patients who meet any of the following criteria will be excluded from study entry:

1. Patients not receiving treatment for a disease with atezolizumab according to standard of care and in line with the current summary of



product characteristics (SPC) or local labelling \*.

2. Concomitant anti-cancer therapy at the time of starting atezolizumab on the index date, not part of locally approved combination therapy with atezolizumab.

3. Treatment with atezolizumab as part of a clinical trial or for compassionate use as part of an access or compassionate use program.

4. Patients not receiving atezolizumab, but a biosimilar or non-original biologic.

**Type of study**

Observational

**Type of intervention**

N/A

**Type of intervention: Specify type**

N/A

**Trial scope**

N/A

**Trial scope: Specify scope**

N/A

**Study design: Allocation**

N/A

**Study design: Masking**

N/A

**Study design: Control**

N/A

**Study phase**

N/A

**Study design: Purpose**

N/A

**Study design: Specify purpose**

N/A

**Study design: Assignment**

N/A

**Study design: Specify assignment**

N/A

**IMP has market authorization**

**IMP has market authorization: Specify**

**Name of IMP**

**Year of authorization**

**Month of authorization**

**Type of IMP**

**Pharmaceutical class**

**Therapeutic indication**

**Therapeutic benefit**

**Study model**

Cohort

**Study model: Explain model**

The study will be split into separate cohorts based on the approved indications for atezolizumab treatment, excluding cisplatin ineligible patients receiving atezolizumab as first line of therapy (LOT1) for locally advanced/metastatic urothelial cancer (locally advanced/metastatic UC). The study may be amended for inclusion of new cohorts as these are approved in the participating countries. Patients will be included into each cohort based on their indication for receiving atezolizumab.

**Study model: Specify model**

N/A

Lebanon is participating in Cohort 2 (NSCLC LOT2 plus later lines [LOT2+]): Patients diagnosed with locally advanced/metastatic non-small cell lung cancer (NSCLC) after prior chemotherapy. Patients with epidermal growth factor receptor (EGFR) activating mutations or anaplastic lymphoma kinase (ALK)- positive tumor mutations should also have received targeted therapy.

**Time perspective**

Prospective

**Time perspective: Specify perspective**

N/A

**Target follow-up duration**

5

**Number of groups/cohorts**

4

**Biospecimen retention**

None retained

**Target sample size**

10

**Date of first enrollment: Type**

Anticipated

**Date of study closure: Type**

Anticipated

**Recruitment status**

Pending

**Date of completion**

01/06/2025

**IPD sharing statement plan**

Yes

**Time perspective: Explain time perspective**

This is a non-interventional, multi-country, multi-centre, multiple cohort prospective study, with retrospective collection of prior medical/treatment history data from medical records, designed to assess the real-world outcomes and safety of atezolizumab for indications in the existing label in the real-world setting of routine clinical practice. The study will collect data before, during and after treatment with atezolizumab.

**Target follow-up duration: Unit**

years

**Biospecimen description**

Non retained

**Actual enrollment target size****Date of first enrollment: Date**

01/04/2020

**Date of study closure: Date**

01/06/2025

**Recruitment status: Specify****IPD sharing statement description**



During this study, health and personal information about subjects will be collected. This section describes the protection, use, and sharing of information, which consists of the following:

- Information in the medical record, which is held by Sites.
- Information that is collected or produced during this study ("study data"), which is held by sites, Roche, Roche affiliates, and Roche's representatives.

Subject privacy is very important, and Roche uses many safeguards to protect privacy, in accordance with applicable data privacy laws and laws related to the conduct of clinical trials.

Subject study data will be labelled with a patient identification (ID) number that is unique and not related to or derived from information that identifies subject (such as name, picture, or any other personally identifying information). Roche, Roche affiliates, and Roche's representatives will only have access to study data and samples labelled with a patient ID number, except as described below. Subjects medical record, which includes personal information that can identify subjects, will not be accessed for the purposes of this study, except as described below:

Information (which includes information in medical record that can identify subjects) may need to be reviewed to make sure the study is being done properly or to check the quality of the information. This information will be kept private. The following people and groups of people may and/or copy this information:

- Study monitors of Roche and/or CRO, a company hired by Roche to perform certain study activities
- The Institutional Review Board or Ethics Committee
- Regulatory authorities

Roche, Roche affiliates, and Roche's collaborators and licensees (people and companies who partner with Roche) may use study data labelled with patient ID number for research purposes or to advance science and public health.

Study data may be submitted to government or other health research databases or shared with researchers, government agencies, companies, or other groups that are not participating in this study. These data may be combined with or linked to other data and used for research purposes, to advance science and public health, or for analysis, development, and commercialization of products to treat and diagnose disease. These data will not include information that identifies subjects, and extra steps will be taken to safeguard privacy.

Subject information will not be given to insurance company or employer, unless required by law. If the results from this study are published in a medical journal or presented at a scientific meeting, subjects will not be identified.

Information from this study will be retained by Sites for 15 years after the end of the study. In addition, Roche will retain the study data for up to 25 years after the end of the study.

**Additional data URL**

**Admin comments**

**Trial status**

Approved

## Secondary Identifying Numbers

| Full name of issuing authority | Secondary identifying number |
|--------------------------------|------------------------------|
| NA                             | NA                           |





## Sources of Monetary or Material Support

Name

F. HOFFMANN-LA ROCHE LTD

## Secondary Sponsors

Name

NA

## Contact for Public/Scientific Queries

| Contact type | Contact full name | Address  | Country | Telephone     | Email               | Affiliation   |
|--------------|-------------------|--|---------|---------------|---------------------|---|
| Public       | Dani Abi Gerges   | Middle East Institute of Health - University Hospita, Bsalim, Metn P.O. Box 60-387 Metn, Lebanon | Lebanon | 009614712 111 | abgerges@idm.net.lb | Middle East Institute of Health - University Hospital |
| Scientific   | Dani Abi Gerges   | Middle East Institute of Health - University Hospita, Bsalim, Metn P.O. Box 60-387 Metn, Lebanon | Lebanon | 009614712 111 | abgerges@idm.net.lb | Middle East Institute of Health - University Hospital |

## Centers/Hospitals Involved in the Study

| Center/Hospital name                     | Name of principles investigator | Principles investigator speciality | Ethical approval |
|--|---------------------------------|------------------------------------|------------------|
| Middle East Institute of Health Hospital | Dr. Dani Abigeres               | Hemato-Oncology                    | Approved         |

## Ethics Review

| Ethics approval obtained        | Approval date | Contact name     | Contact email     | Contact phone          |
|---------------------------------|---------------|------------------|-------------------|------------------------|
| Middle East Institute of Health | 07/01/2020    | Dr. Rania Haddad | r_haddad@meih.org | 009614712111 ext. 6063 |



| Countries of Recruitment |
|--------------------------|
| Name                     |
| Hungary                  |
| Argentina                |
| France                   |
| Spain                    |
| Bulgaria                 |
| Austria                  |
| Belgium                  |
| United Kingdom           |
| Netherlands              |
| Lithuania                |
| Italy                    |
| Croatia                  |
| Portugal                 |
| Poland                   |
| Slovenia                 |
| Lebanon                  |

| Health Conditions or Problems Studied |                                 |         |
|---------------------------------------|---------------------------------|---------|
| Condition                             | Code                            | Keyword |
| Non Small Cell Lung Cancer            | Other disorders of lung (J98.4) | NSCLC   |

| Interventions            |             |         |
|--------------------------|-------------|---------|
| Intervention             | Description | Keyword |
| Non-interventional study | NA          | NA      |



## Primary Outcomes

| Name   | Time Points           | Measure   |
|--|-----------------------|---|
| •To estimate overall survival (OS) at two years and at the end of the study. | Overall Survival - OS | Time from index date until date of death from any cause   |
| •To estimate overall survival (OS) at two years and at the end of the study. | OS at 2 years         | Proportion of patients alive 2 years after the index date |

## Key Secondary Outcomes

| Name  | Time Points  | Measure   |
|---|--|---|
| To evaluate the clinical benefit of atezolizumab  | Time to loss of clinical benefit   | Time from the index date to loss of clinical benefit as assessed by the treating physician (single or multiple reasons possible: e.g. disease progression, deterioration in ECOG performance status, patient preference, death, etc.). Clinical benefit is defined as:<br>• Absence of symptoms and signs indicating unequivocal progression of disease<br>• No decline in ECOG performance status<br>• Absence of tumour progression at critical anatomical sites that cannot be readily managed and stabilized by protocol-allowed medical interventions prior to repeat dosing<br>• Evidence of clinical benefit as assessed by the physician according to local clinical standard of care |
| To estimate PFS   | Progression-free survival - PFS  | Time from index date to death or disease progression (DP; physician assessed according to local clinical standard of care or as per RECIST if available)  |
| To estimate the ORR, DCR and DoR  | Objective response rate - ORR  | ORR is the proportion of patients who have a BOR of CR or PR. Best overall response (BOR) for each patient is the best response (physician assessed according to local clinical standard of care or as per RECIST if available) achieved after the index date prior to initiation of any subsequent treatment.  |
| To estimate the ORR, DCR and DoR  | Time to response   | Time from index date to first objective tumour response, CR or PR (physician assessed according to local clinical standard of care or as per RECIST if available)   |
| To estimate the ORR, DCR and DoR  | Duration of response - DoR   | Time from first documentation of CR or PR (whichever occurs first) after index until death or PD (physician assessed according to local clinical standard of care or as per RECIST if available)  |
| To estimate the ORR, DCR and DoR  | Disease control rate - DCR   | Percentage of patients who have achieved CR, PR and stable disease (physician assessed according to local clinical standard of care or as per RECIST if available) at least 12 weeks after the index date   |
| To estimate the ORR, DCR and DoR  | Duration of DCR  | Time from first documentation of CR, PR or stable disease (whichever occurs first) after index until death or PD.   |
| To evaluate HRQoL   | The EQ-5D-5L during and after atezolizumab treatment will be used to assess HRQoL  | The EQ-5D-5L is a standardized instrument for measuring generic health status and has been used in the atezolizumab clinical trials. It includes two components, health state description and evaluation.   |
| To describe baseline patient characteristics relevant to treatment and/or prognosis   | Refer to protocol page 44 for table of patient characteristics   | To describe baseline patient characteristics relevant to treatment and/or prognosis   |
| To describe the characteristics of atezolizumab treatment, prior and subsequent cancer related therapies and estimate time to initiation of subsequent LOTS | Refer to protocol page 45,46,47 for Characteristics of atezolizumab treatment, and prior/subsequent cancer-related therapies | The time from diagnosis to the index date and time from last LOT to the index date will also be calculated.   |





## 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**