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# The MOMENT disease registry of patients with advanced non-small cell lung cancer harboring *MET* exon 14 skipping

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## CONCLUSIONS

- The MOMENT registry will collect comprehensive, high-quality real-world clinical data from patients with advanced NSCLC harboring *MET* exon 14 skipping undergoing systemic treatment in a routine clinical setting
- Data from the registry will enable future research and studies to inform the optimal care for this rare patient population

## INTRODUCTION

- MET* exon 14 skipping activates oncogenic *MET* signaling in 3–4% of patients with NSCLC<sup>1–3</sup>
- The low frequency of this alteration has influenced clinical trial design for *MET* inhibitors, often leading to open-label, single-arm trials
- Tepotinib, a once-daily and highly selective *MET* TKI, is approved in multiple countries for the treatment of *MET* exon 14 skipping NSCLC<sup>4–6</sup>
- In VISION, a Phase II, single-arm study of tepotinib in patients with *MET* exon 14 skipping NSCLC, tepotinib demonstrated robust and durable clinical activity with an objective response rate of 50.8% (data cut-off: February 20, 2022; for more information on the VISION study, please see: Thomas M, et al; oral presentation 194 at WCLC 2022)
- However, availability of historical real-world data from patients with *MET* exon 14 skipping NSCLC under conventional therapies is limited, because broad *MET* biomarker testing was only recently introduced in most countries, and because available case data is usually incomplete
- Such real-world data are important as a comparator for the outcome of single-arm studies, like VISION, in the absence of control arms

## OBJECTIVE

- The MOMENT registry, a multi-national disease registry including >50 sites across Europe and North America, aims to collect high-quality data prospectively (with longitudinal follow-up) to capture changes in the NSCLC treatment landscape and outcomes in routine clinical practice over time
- These data will include baseline characteristics, treatment patterns and clinical outcomes, in patients with advanced NSCLC harboring *MET* exon 14 skipping and treated with any systemic therapy, to address limitations of existing real-world data sources for this rare patient population



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## MOMENT REGISTRY



Registry for advanced NSCLC harboring *MET* exon 14 skipping

### Registry design and methods

- MOMENT is a non-interventional disease registry collecting data on patients with advanced NSCLC harboring *MET* exon 14 skipping receiving any systemic treatment
- Data elements will be standardized according to EMA recommendations of international terminologies (e.g. MedDRA, ECOG and NCI-CTCAE) (Figure 1)
- Data collection began in Q2 2022 and will continue for 5 years (Table 1)
- Expected enrollment is approximately 700 patients

Figure 1. Core data elements of the MOMENT registry

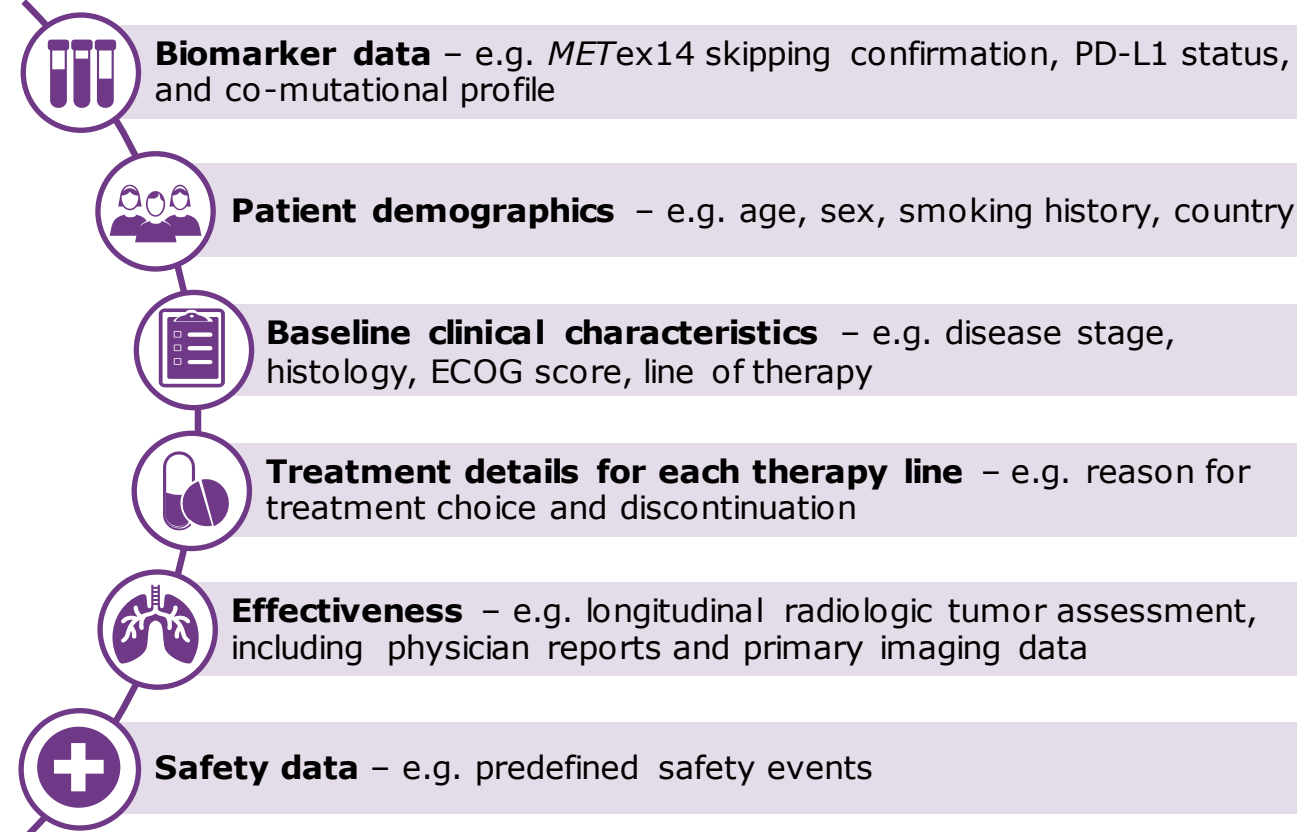


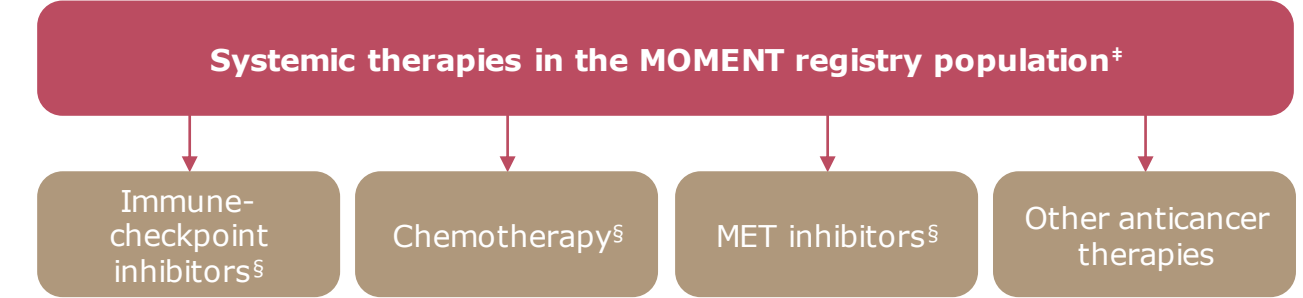
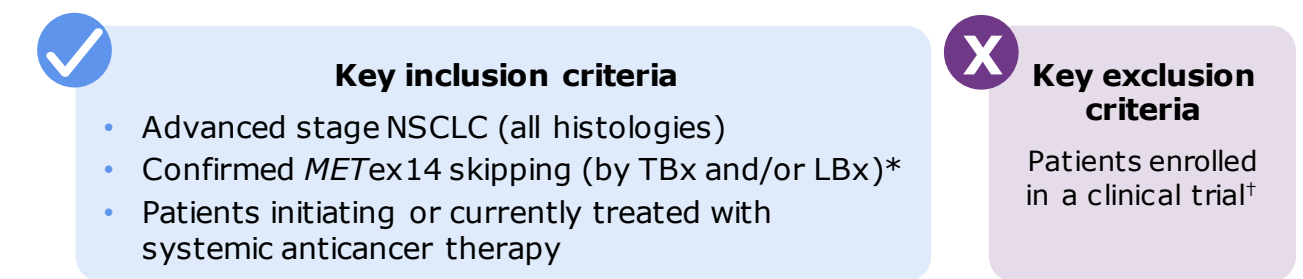
Table 1. Effectiveness and safety assessment

Effectiveness	Safety
<ul style="list-style-type: none"> <li>Tumor response per investigator, according to RECIST-like criteria                             <ul style="list-style-type: none"> <li>Complete response</li> <li>Partial response</li> <li>Stable disease</li> <li>Progressive disease</li> <li>Not evaluable</li> </ul> </li> <li>Imaging data will be collected at baseline and follow-up for central review and verification of response assessment</li> <li>Mortality data will include date and cause of death</li> </ul>	<ul style="list-style-type: none"> <li>Data on relevant adverse reactions for each patient that will include                             <ul style="list-style-type: none"> <li>Start/stop date</li> <li>Grade; 1–5 per NCI-CTCAE V5</li> <li>Management, including a need for hospitalization</li> <li>Dose reductions</li> <li>Treatment interruptions</li> <li>Treatment discontinuation</li> <li>Outcome</li> </ul> </li> </ul>

### Eligibility criteria

- The registry will enroll patients with advanced stage (Stages IIIB/C–IV) NSCLC and confirmed *MET* exon 14 skipping who are initiating or already receiving a systemic therapy (Figure 2)

Figure 2. Eligibility criteria

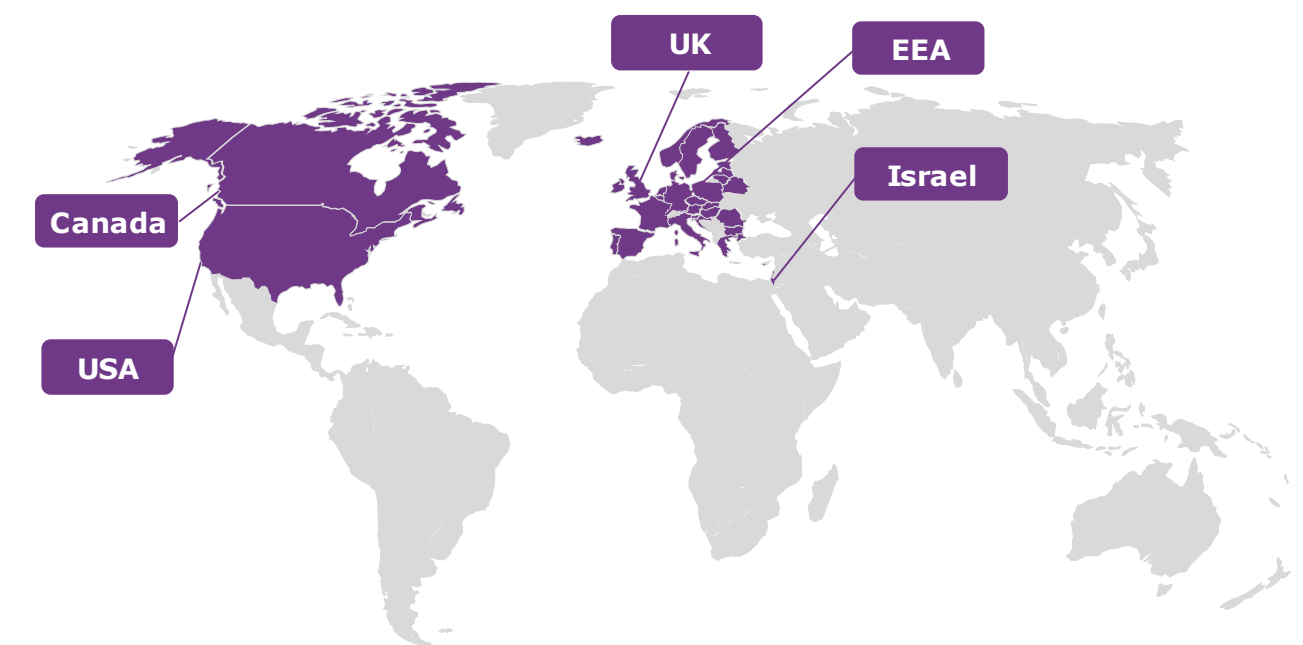


\* Prior to the initiation of a site, local *MET* exon 14 skipping detection methods will be assessed, and if required, central confirmation using available biopsy samples will be arranged. † Patients with previous participation in any clinical trial can be included, provided they receive at least one subsequent therapy line in a routine clinical setting. If a patient enters a clinical trial after enrollment into the registry, treatment will be blinded for data entry in the eCRF during the time the patient receives any investigational drug. ‡ All available anticancer therapies, including those approved, conditionally approved, or available through Early Access Programs. § Given as monotherapy or in combination with other systemic therapies.

### Study sites

- The registry will collect data from oncology and radiology sites, both from academic and community oncology settings
- The registry is planned to operate at >50 sites across Europe and North America (Figure 3)

Figure 3. MOMENT registry study sites



### Study contacts

- The Investigators for this study are Petros Christopoulos (Petros.Christopoulos@med.uni-heidelberg.de), Wade Thomas Iams (wade.t.iams@vumc.org) and Michael Thomas (Michael.Thomas@med.uni-heidelberg.de)
- For further information, please visit <https://www.clinicaltrials.gov> (ClinicalTrials.gov Identifier: NCT05376891) or contact Merck Healthcare KGaA, Darmstadt, Germany (email: MomentRegistry@merckgroup.com)

**Abbreviations:** eCRF, electronic case report form; ECOG, Eastern Cooperative Oncology Group; EEA, European Economic Area; EMA, European Medicines Agency; LBx, liquid biopsy; MedDRA, Medical Dictionary for Regulatory Activities; *MET*, mesenchymal-epithelial transition factor; *MET* exon 14, NCI-CTCAE, National Cancer Institute Common Terminology Criteria for Adverse Events; NSCLC, non-small cell lung cancer; PD-L1, programmed death ligand-1; RECIST, Response Evaluation Criteria in Solid Tumors; TBx, tissue biopsy; TKI, tyrosine kinase inhibitor; WCLC, World Conference on Lung Cancer.  
**References:** 1. Reungwetwattana T, et al. *Lung Cancer*. 2017;103:27–37; 2. Rosell R, Karachaliou N. *Lancet*. 2016;387(10026):1354–1356; 3. Salgia R, et al. *Can Treat Rev*. 2020;87:102022; 4. Wu YL, et al. *Cancer Treat Rev*. 2017;61:70–81; 5. Schadt O, Blaukat A. In: Chackalamanni S, et al. *Comprehensive Medicinal Chemistry III*. 3rd ed. Elsevier; 2017:178–203; 6. Bladt F, et al. *Clin Cancer Res*. 2013;19(11):2941–2951.  
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