



PRESS RELEASE

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MEDICOVER GENETICS HAS LAUNCHED ONCOSENTIA MRD FOR UNRESECTABLE NSCLC

OncoSentia MRD is a plasma-informed test that supports longitudinal ctDNA monitoring without prior tumour-tissue profiling.

Medicover Genetics launched at ESMO 2026 in Madrid, OncoSentia MRD, a plasma-based test for longitudinal minimal residual disease monitoring in patients with unresectable non-small cell lung cancer (NSCLC).

OncoSentia MRD is now offered as a centralised laboratory service through Medicover Genetics' CAP-accredited, CLIA-certified laboratories, serving healthcare providers across European markets.

The test's clinical focus is on patients with unresectable Stage II or III NSCLC following definitive treatment, including during consolidation therapy and post-treatment surveillance. Supporting clinical validation evidence is derived from the DART clinical trial.

Tumour agnostic, plasma-informed

OncoSentia MRD uses a tumour-agnostic, plasma-informed workflow to analyse circulating tumour DNA (ctDNA) without requiring prior tumour-tissue profiling. Molecular signals identified in plasma inform patient-specific ctDNA detection.

Clinical evidence from DART

Supporting evidence comes from the prospective, multicentre DART study of patients with unresectable stage III NSCLC treated with chemoradiotherapy followed by durvalumab. The published analysis included 659 plasma samples from 84 patients, collected across multiple treatment and follow-up time points.

ctDNA detected during consolidation treatment and surveillance was significantly associated with poorer progression-free survival. In a multivariable, time-dependent analysis of post-chemoradiotherapy samples, detectable ctDNA was associated with a nearly threefold higher risk of progression (HR 2.95; 95% CI 1.69–5.15). When evaluating specific clinically relevant timepoints, ctDNA positivity midway through consolidation was associated with 2.45-fold higher risk for progression (HR 2.45; 95% CI 1.18-5.11) while an even greater risk is shown for patients who are tested positive 3 months post-consolidation (HR 5.37; 95%CI 1.93-14.93).

Among patients who progressed and had detectable ctDNA, ctDNA detection preceded radiological or clinical progression by a median of 7.4 months. Together, these findings support the prognostic relevance of longitudinal ctDNA monitoring across clinically relevant time points and its potential to provide additional molecular insights alongside established clinical and imaging surveillance.

Additional findings from the DART study were presented by the investigators from Oslo University Hospital at ESMO 2026 in Madrid.

*"Our focus is on translating molecular innovation into solutions that can be integrated into clinical practice and support clinicians across the patient pathway," said **Dr Mike Whalley**, Global Managing Director at Medicover Genetics. "OncoSentia MRD expands our precision oncology capabilities into longitudinal disease monitoring, with unresectable NSCLC as our initial clinical focus. We plan to continue evaluating the approach across additional cancer indications as part of our ongoing oncology R&D programme."*

Reference

Horndalsveen H, et al. *ctDNA-Based MRD Detection in Stage III NSCLC Treated With Chemoradiotherapy and Durvalumab*. Journal of Thoracic Oncology. Published online June 23, 2026. doi:10.1016/j.jtho.2026.103992.

About Medicover Genetics OncoSentia MRD

OncoSentia MRD is a tumour-agnostic, plasma-informed liquid biopsy assay developed to detect and longitudinally monitor circulating tumour DNA (ctDNA) in patients with stage III unresectable non-small cell lung cancer (NSCLC). Without requiring prior tumour tissue sequencing, the assay enables longitudinal molecular assessment during and after treatment, complementing established clinical and radiological monitoring.

In the multicentre Phase II DART study of patients with unresectable stage III NSCLC treated with chemoradiotherapy (CRT) followed by durvalumab, longitudinal ctDNA monitoring was performed. Detectable ctDNA during and after consolidative durvalumab following CRT was strongly associated with inferior progression-free survival (PFS) and can predict disease progression months before radiological evidence. These findings support the potential value of longitudinal ctDNA assessment as a complementary approach to disease monitoring.



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About Medicover Genetics

Medicover Genetics enables the implementation of genetics in routine healthcare through an integrated model of specialised clinical services and laboratory solutions. With more than 27 years of clinical genetics experience, the company supports healthcare systems, laboratories, and clinicians worldwide through innovative and translational genetic solutions across oncology, reproductive health, rare diseases, and precision medicine. Operating through CAP, CLIA and ISO 15189 accredited laboratories, Medicover Genetics delivers clinically validated solutions that focus on caring for patients at every stage of their clinical pathway. www.medicover-genetics.com

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About Us

Medicover is a leading international healthcare and diagnostic services company and was founded in 1995. Medicover operates a large number of ambulatory clinics, hospitals, specialty-care facilities, laboratories and blood-drawing points and the largest markets are Poland, Germany, Romania and India. In 2025, Medicover had revenue of €2,378 million and more than 49,000 employees. For more information, go to www.medicover.com