

Roche launches FoundationOne CDx to help guide personalised treatment decisions

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FoundationOne CDx analyses the tumour genome to identify clinically relevant genomic alterations in a broad range of cancers and provides insights which can help support treatment decisions



Singapore - Roche announced that FoundationOne CDx, Foundation Medicine's comprehensive companion diagnostic test for personalised cancer care, has launched in Singapore. FoundationOne CDx supports clinicians in their decision-making by providing a clear, in-depth report that describes the unique genomic profile of a patient's tumour as well as associated, approved therapies and relevant clinical trials. FoundationOne CDx is the next evolution of FoundationOne, Foundation Medicine's original laboratory-developed genomic profiling test. In the United States, the FoundationOne CDx platform has been reviewed and approved by the US Food and Drug Administration, including analytical and clinical validation, and bioinformatics.

"The biggest advantage of next generation sequencing is that it can capture all the essential cancer biomarkers to help clinicians select the right therapy for patients in a single testing attempt, particularly when tumour samples are limited," said Dr Tay Miah Hiang, Senior Consultant Medical Oncologist at OncoCare Cancer Centre. In addition, with the increasing use of immunotherapy, Foundation Medicine is able to provide information about Programmed death-ligand 1 (PD-L1), tumour mutational burden (TMB) and microsatellite instability (MSI) statuses that allow clinicians to identify patients who may benefit from the cancer immunotherapy."

FoundationOne CDx includes an updated gene list, comprising all main classes of genomic alterations in 324 of the most commonly mutated genes known to drive the growth of cancer. The test also reports tumour mutational burden (TMB) and microsatellite instability, genomic signatures which can help inform cancer immunotherapy-based treatment decisions.

"Upfront testing of TMB and additional biomarkers are beneficial to physicians, as they would have more information to guide their treatment selection and the patient would have access to more treatment options," said Dr Ravindran Kaneshvaran, Assistant Professor, Senior Consultant in the Division of Medical Oncology at the National Cancer Centre Singapore, and Chair of the International Society of Geriatric Oncology task force for kidney cancer in the elderly.