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Cancer Genetics launches NGS service for cancer detection

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Cancer Genetics launches NGS service for cancer detection in Asia

Singapore: Cancer Genetics India (CG India) has launched a next-generation sequencing (NGS) based panel targeting solid tumors including breast, colorectal, lung, skin, and ovarian cancer for the Indian and broader Asian markets.

The NGS-based panel provides a comprehensive genomic assessment of cancer mutations, with dramatically increased sensitivity compared to other testing methodologies, and can be applied to over 370,000 patients annually in India alone. The NGS panel covers over 2,800 clinically validated, common cancer mutations and can be used from as little as 10 nanograms of DNA from a variety of sample types, including fresh frozen or formalin-fixed paraffin-embedded (FFPE) tissue.

With more than 1 million new cases of cancer diagnosed in India each year, there is a significant need for NGS based comprehensive testing that provides both cost-savings and increased accuracy over other technologies by assessing a comprehensive number of genetic mutations in a single test.

The tests will also help CG India in its strategic initiative to generate a library of critical, actionable genomic data that can be used by clinicians for improved patient management and by researchers in India and worldwide to develop more targeted therapeutics. The International Agency for Research on Cancer (IARC) based in France predicts that the number of new annual cancer cases in India will double in the next 20 years only heightening the need for improved technology to help diagnose and manage cancers earlier and more comprehensively.

"Cancer Genetics India's NGS tumor hotspot panel will allow clinicians in India the capability to access the genomic information necessary to improve the diagnosis and management of patients with common cancers," said Dr Vidudala Prasad, head, research and Development at Indo American Cancer Hospital in Hyderabad, India. "It also offers valuable genomic insights for investigators working on oncology-focused clinical trials."

CG India is now one of few companies in India that is making this NGS technology and mutation hotspot panel available for use by oncologists, biopharmaceutical companies, and research organizations.

Mr Panna Sharma, CEO, Cancer Genetics, commented, "There is a critical need in India and Asia for high-quality assessment of cancer that is comprehensive, genomically-guided and supported with state of the art bioinformatics. The clinical and research community will find tremendous value in both the NGS panel and in our genomic database which we expect will be an invaluable tool in the improvement of cancer outcomes for patients and in the acceleration of novel discoveries into the marketplace."