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Date of publication: 1 Feb 2024

Multi-cancer early detection (MCED): An advancement in cancer screening

Detecting cancer early enough can make a difference to increase the chances of successful treatment.

Cancer can affect any of us no matter age, gender or race.

1 in 2 women and 1 in 3 men will develop cancer in their lifetime.

References

Lifetime Risk of Developing or Dying from cancer. (n.d.). Retrieved from

<https://www.cancer.org/healthy/cancer-causes/general-info/lifetime-probability-of-developing-or-dying-from-cancer.html>.

Cancer can start in many different parts of the body, like the lungs, colon or stomach.

As tumor cells grow, they shed fragments of DNA into the blood known as **circulating tumor DNA (ctDNA)**.

These ctDNAs contain **evidence of gene alterations** and their **profiles are often characteristic of the organ from which they originated**.

Viruses such as Epstein- Barr virus (EBV) are known to be associated with cancer proliferation. After the virus infection, the parts of the viral DNA integrate with the individual's DNA, making changes to the instructions on cell growth, and paving the potential onset of uncontrolled growth in the body.

Multi-cancer early detection (MCED):

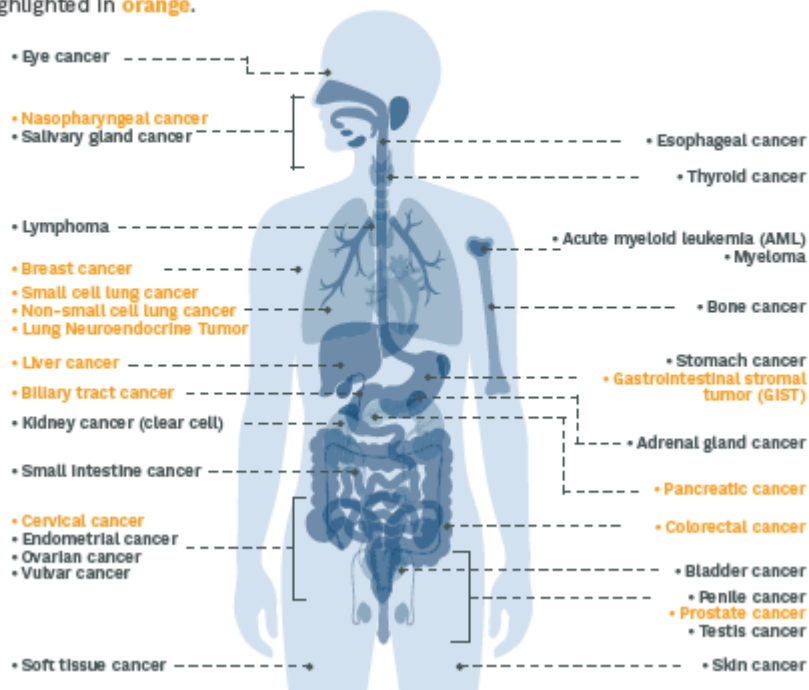
An advancement in cancer screening (using LuceneINSIGHT™)

Next Generation Sequencing (NGS) technology applied to the patient's blood drawn is used to identify cancer signals and location on where the ctDNA might have originated from.



Cancer covered by LuceneINSIGHT™

There are 50 cancer types* covered by LuceneINSIGHT™ PLUS. LuceneINSIGHT™ covers the 12 cancers highlighted in orange.

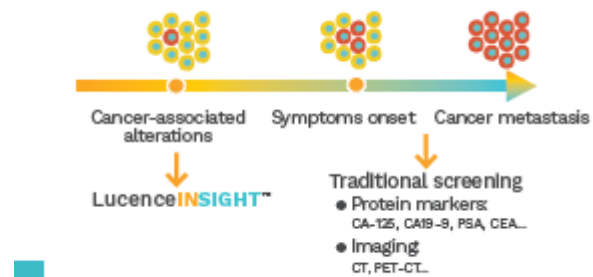


As a screening tool, NGS identifies signals of cancer.

If a cancer signal is present, the patient is recommended to consult their healthcare providers for further confirmatory testing.

MCED investigates alterations that are found in the gene.

Cancer marker tests such as Ca19-9 or Ca125 look for the presence of proteins which are made in higher amounts by cancer cells or by normal cells in response to cancer in your body.



It is recommended for use in conjunction with existing screening tools to bring clarity in early cancer screening.

It is not recommended for individuals with a personal history of cancer.

It also does not test for genetic (inherited) risks of cancer where it is pre-disposed within the family such as breast cancer for instance.

It is important to note that the test is not diagnostic of cancer.

If your result is 'Cancer Signal: Detected', further confirmatory test/s is/are recommended.

If your result is 'Cancer Signal: Not Detected', this means that LuceneINSIGHT™ did not identify cancer-associated alterations in your blood during screening at this time. It does not rule out the possibility of cancer.

'Early detection saves lives'.

MCED testing is available at Asia HealthPartners.

Conveniently located in the heart of Orchard Road, offering health screening, aesthetic surgery and laser treatments, gastrointestinal and liver treatments, and diagnostic imaging services.

At Asia HealthPartners we bring you the benefits and healthcare solutions that can only come from a combination of our medical expertise and technology with an emphasis on holistic medical care.

Our mission is to enrich the quality of our patients' lives through exceptional preventative, diagnostic and therapeutic medical services.

We look forward to caring for all your health needs.

Make an appointment today with one of our friendly staff for further enquiries.

Our Commitment







We are committed to improving the quality of life and achieving the best possible outcome for our patients, by combining world class medical expertise with cutting-edge technology, supported by research, training and continuous education.

Our Mission

We offer cutting-edge technology in radiological services with our finest doctors and staff to enhance the standard of patient care.

Our Vision

We aim to be a leading imaging centre by providing better patient care with the best technology.

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