

Early Detection is the key for cancer control

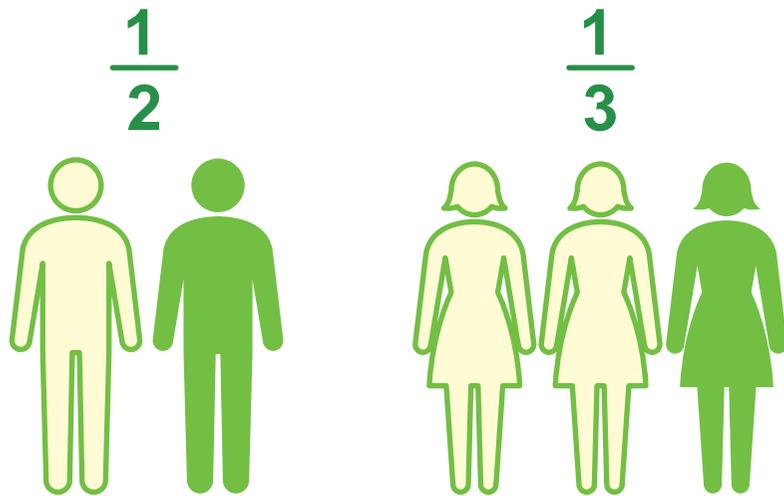
Blood Examination using Microarray for screening of digestive system cancers



監修・医療機関名

Cancer Control

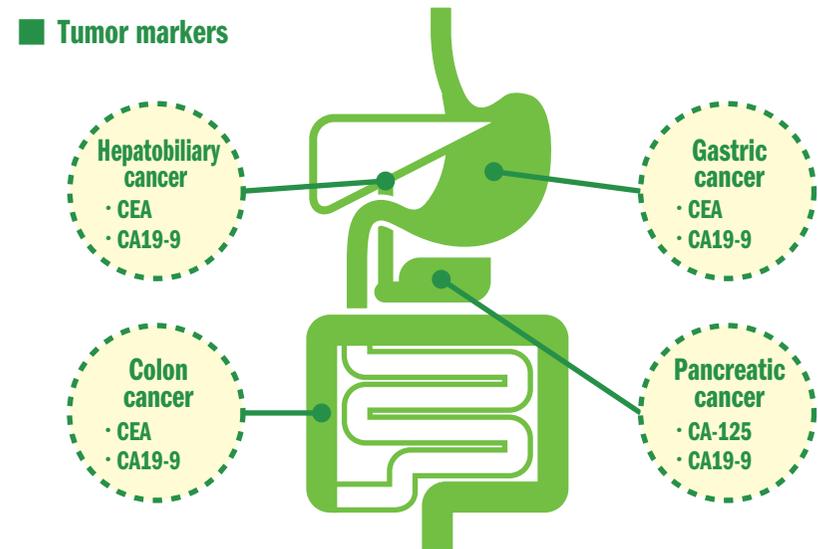
Nowadays, the 1/2 and 1/3 of the male and female population, respectively, will suffer cancer in Japan. Despite of the high concerns of diseases and health, the number of people willing to take medical checkup is relatively low. It is of extreme importance. The medical checkup for early detection of cancer is very important, leading to decrease of the mortality as well as maintaining QOL of cancer patients.



The screening system with high sensitivity for cancer is necessary for early detection of cancer.

What kind of blood examinations for cancer screening are currently performed?

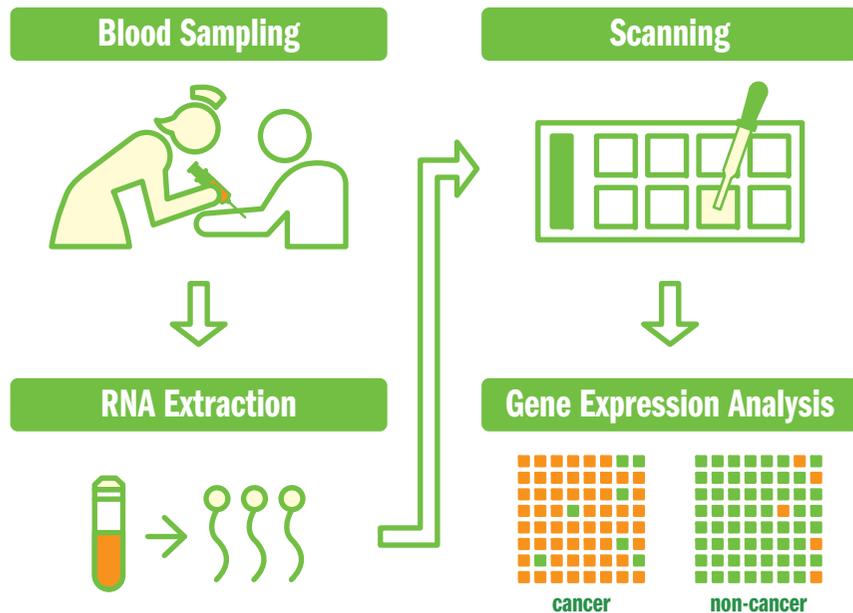
Tumor marker is one of the cancer screening test using blood sample. This is the way to measure the protein which is produced by cancer cells. But it is thought to be difficult to diagnose cancer just by measuring tumor marker in the blood alone, due to its low sensitivity. Therefore, this is used for the auxiliary examination of other diagnostic tests or monitoring the body after cancer treatment.



Blood Screening test using microarray is the novel approach to detect of early digestive system cancers.

Microarray Blood Screening

Microarray is the new technology to detect cancer by measurement of the blood RNA reaction, and is leading edge in the world.



This test doesn't detect your genetic-information and your genetic-disease.

Features of Microarray Blood Screening Test

1 High Sensitivity

Over **90%** sensitivity of cancer of digestive system

2 Single blood examination

Indication: **Gastric cancer, Colon cancer, Pancreatic cancer, Hepatobiliary cancer**

3 Simplicity of examination

Single small volume (**5.0ml**) of blood sampling

4 Safety and Secure

No **administration** of medicine, No **X-ray**

Publication of Microarray analysis

The data of blood RNA expression analysis was published by multicenter clinical trial of Kanazawa University in 2009-2010.

■ Publication

※Biochem Biophys Res Commun. 2010 Sep 10;400(1):7-15. Epub 2010 Aug 2.

Differential gene expression profiling in blood from patients with digestive system cancers.

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