HEALTHY FEMALE VOLUNTEERS NEEDED

We are looking for female volunteers to take part in our clinical study for Microwave mammography which is a whole new method of breast screening.

- Breast cancer is the most common cancer in women, and is also the first leading cause of cancer death among women aged 30 to 50.
- Every year 68,000 women are diagnosed with breast cancer and 12,000 die from it.

ARE YOUR BREASTS DENSE?

- 1 in 12 women will develop breast cancer.
- 80% of cases occur with no family history.
- 30% of women with breast cancer are under 49.

- Over 90% survive with early detection. *ref

Limitation of conventional screening?

- Ultrasound: There are some difficulties in the viewpoint of material physics, such as signal to noise ratio and acoustic impedance matching.

- X-ray mammography: It uses compression and has the risk of radiation damage.

NEW METHODOLOGY FOR BREAST SCREENING

Microwave mammography (m-MMG): new technology for breast screening using microwave.

Effective even in women with dense breast

- m-MMG image contrast between cancer and surrounding breast tissue is very clear.

It is safe

- It does not use X-ray so it presents no apparent risk.

It is pain-free

- No compression is needed. Its antenna just traces the surface of breasts.

Toward Early Detection of Breast

- Dense breast is comprised of more mammary gland tissue and collagen fiber which obscure cancer on mammogram, masking tumors and making them hard to detect.

- Asian women are more likely to have dense breasts. *ref
We are...

Research and developing group of microwave imaging for breast screening at the Kobe University, Center for Mathematical and Data Sciences.
We believe our research will be a great help for early detection and early treatment leading to zero deaths from breast cancer in the future.
If you need any further information, please do not hesitate to contact us using the phone numbers and email address below.

Contact us:

Graduate School of Science, Kobe University
Kimura Research Group
TEL 078-304-6090
Mail staff-kimuralab@silver.kobe-u.ac.jp
(Kimura Group)

What will it happen if you are interested in participating in this study:

1. Contact us to arrange a date for testing, you will be asked about your menstrual cycle (see the below).
2. You will be asked to read and sign on informed consent.
3. You will be asked to complete several medical questionnaires.
4. You will undergo a physical examination, screening x-ray mammography and ultrasound.
5. You will undergo m-MMG test.
6. You will get some compensation for your time and inconvenience.

THANK YOU.