



## Breast Ultrasound 乳房超音波檢查(英文)

### What is breast ultrasound?

- A breast ultrasound uses sound waves to make a picture of the tissues inside the breast. A breast ultrasound can show all areas of the breast, including the area closest to the chest wall, which is hard to study with a mammogram. Besides, it is used to see whether the breast lump is filled with fluid (cyst) or if it is a solid lump.
- An ultrasound does not replace the need for a mammogram; however, it is often used to check a problem seen on a mammogram.
- Breast ultrasound does not use X-rays or other types of radiation.

### Clinical purpose

1. Look at the breast in younger women ( because their breast tissue is often more Dense, so mammogram shows less detail )
2. Check for breast lumps by self-examination, physical examination, or mammogram; and differentiate its contents.( solid vs. cyst )
3. Find the cause of breast symptoms such as pain, swelling, and redness
4. Imaging-guiding procedure ( e.g., sono-guided biopsy, aspiration....etc )
5. Follow-up

### How it is done?

The procedure is usually performed by a specially trained technologist ( female ). A clear, water-based conducting gel is applied to the skin over the area being examined to help with the transmission of the sound wave. The ultrasound transducer ( a handheld probe ) is then moved back and forth over the breast. A picture of the breast tissue can be seen on the monitor. The procedure is usually between 15 and 30 minutes. More time may be needed if a breast exam is to be done or if a biopsy is also planned.

## Risks

- There is no known risk in having a breast ultrasound examination.

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