M193-1

Training phantom for ultrasonic observation of tissue damage　DTI Training Set

- Main body unit weight: 1.7 kg
- Main unit parts
  【Sacral blocks】Qty.: 5 pcs./set　Weight: 6.5kg　Size: W180×D160×H55
  【Greater trochanter blocks】Qty.: 5 pcs./set　Weight: 4.2kg　Size: W160×D150×H55
- Accessories: Baby powder
- Approved by: Prof Hiromi Sanada, Graduate School of Medicine, University of Tokyo

Training to understand a variety of different bed sore types at two points where DTI can easily occur

M193-2

Training phantom for ultrasonic observation of tissue damage Basic Set

- Main body unit weight: 1.7 kg
- Main unit parts:
  Qty.: Sacral block (normal) ×1, greater trochanter block (normal) ×1,
  Total weight: 2.2kg
- Accessories: Baby powder

1 Checking the area

Lateral position for the greater trochanter region, and prone position for the sacral region. It is possible to carry out confirmation training for areas where bed sores can easily occur.

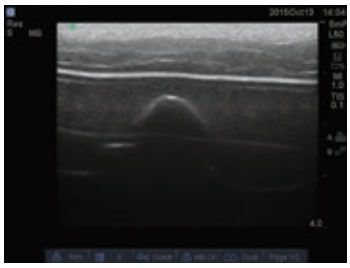
Greater trochanter region

Sacral region

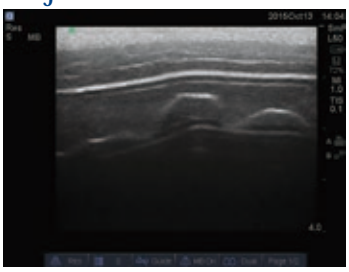
2 Extraction of minor axis and major axis

It is possible to project the optimum images from the minor axis and major axis and all other directions.

Minor axis

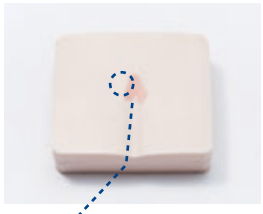


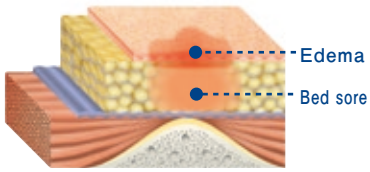
Major axis



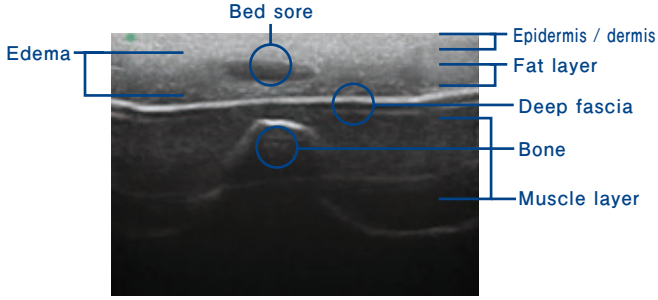
3 Training for observation of symptoms for the following four typical patters at the sacral region and greater trochanter region can be carried out.

Mild bed sore: edema and hypoechoic areas





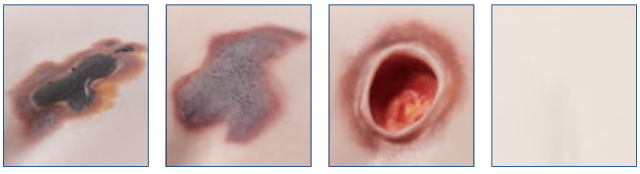
Only mild pink-colored symptoms appear on the skin surface



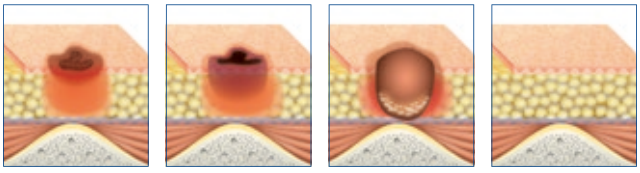
Observing features such as loss of superficial fascia, localized areas of low brightness, and the location and depth of abnormal findings make it possible to confirm mild bed sore at category/stage I to II.

Moderate bed sore (edema and abscess)	Severe bed sore (edema and cobblestone-type abscess)	Bed sore forming a pocket	Normal
At category/stage II, but doubtful if the DTI is severe	Injury is difficult to identify from the skin surface, but symptoms are of severe DTI. Category/stage III type.	Category/stage IV type, and pocket can be observed expanding all the way around.	Normal fat layer, deep fascia and muscle layer with no observable loss of superficial fascia or rupturing

○Bed sore



Internal image



Ultrasonographic image