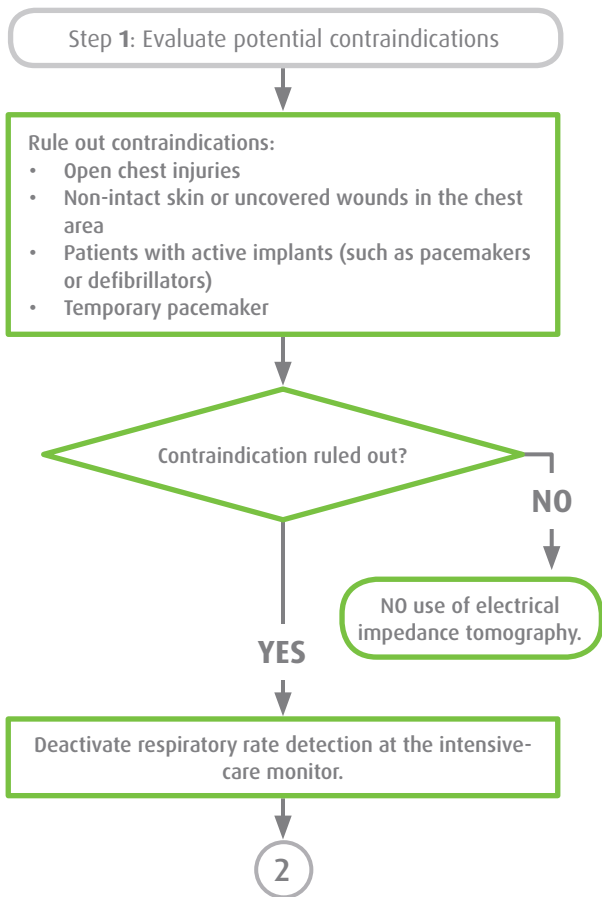
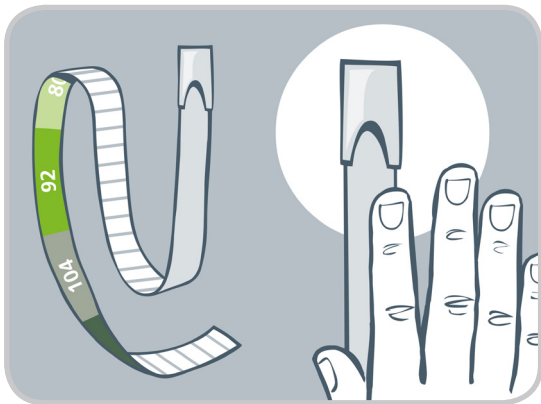


Evaluate potential contraindications



Prepare the patient for EIT monitoring

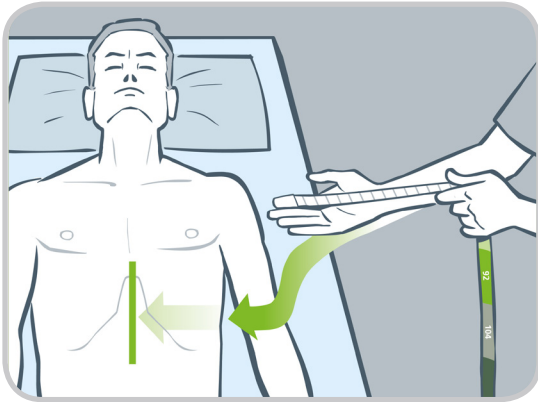
Step 2: Apply measurement tape



- Remove the special measurement tape from the ContactAgent package.
- Unroll the measurement tape and slip the loop at its end over your index finger.
- Use your other hand to keep light tension on the measurement tape.

3

Step 3: Measure patient

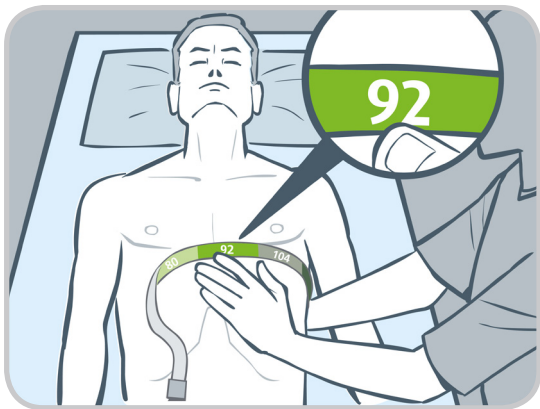


- Slide the hand holding the loop under the patient's back until you clearly feel the spine with your index finger.
- Measure one half of the thorax up to the centre of the sternum with the tape.

4

Prepare the patient for EIT monitoring

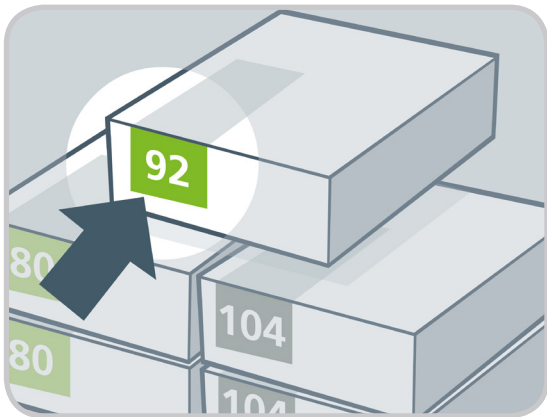
Step 4: Determine the SensorBelt size



- Read the measurement for half the chest circumference on the centimetre scale.
- Each cm value is associated with a SensorBelt size.



Step 5: Choose the SensorBelt

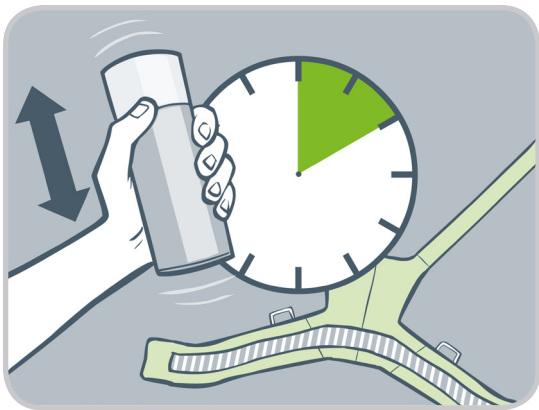


- For easy recognition, each size is marked with a different colour. The corresponding colour of each SensorBelt size can also be found on every package label.
- Select a SensorBelt of the previously determined size and unpack it.



Prepare the patient for EIT monitoring

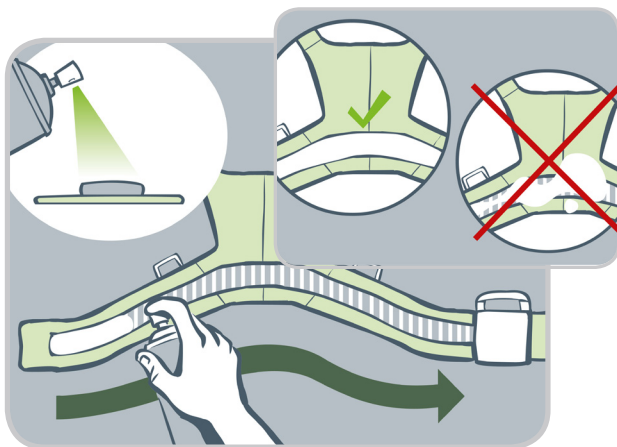
Step 6: Prepare the foam (ContactAgent)



- Take a can with contact foam (ContactAgent) and shake it vigorously for approx. 10 seconds.



Step 7: Apply the foam

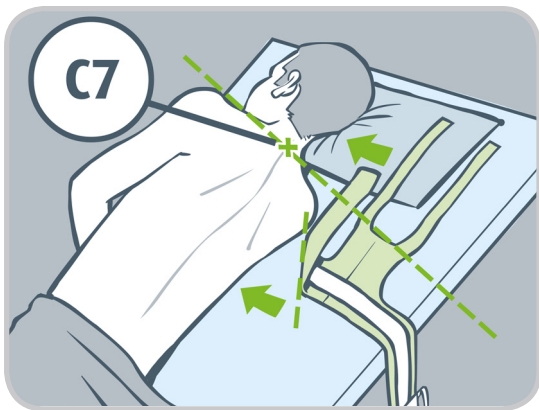


- Start applying the foam at one side of the striped SensorBelt fabric until the belt end is sufficiently covered.
- Make sure the foam is evenly distributed.
- The foam will collapse quickly. Only apply a second foam coating in places where material sections have clearly remained dry.

8

Prepare the patient for EIT monitoring

Step 8: Position the SensorBelt



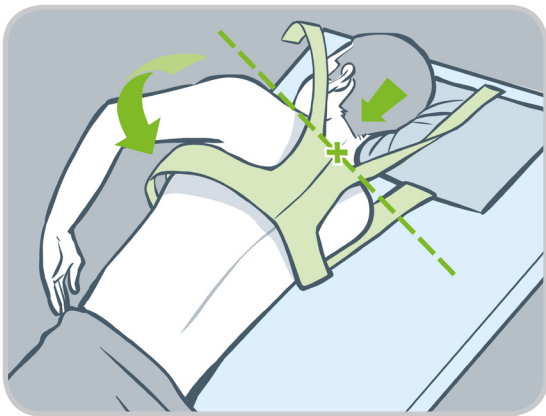
- Turn the patient away from you on his or her side and place the upward facing arm at an angle.
- Fold the SensorBelt at the diagonal folding line in such a way that its end faces upwards at a 90° angle.



Alternatively, you can also attach the SensorBelt in a half-upright position.



Step 9: Fit the SensorBelt (1)



- Place the SensorBelt next to the patient and spread it out. Then slide the folded part of the belt under the patient's chest.
- Align the centre top edge of the belt in such a way that it forms a line with the shoulders.
- Find the spinous process of the 7th cervical vertebral body, also known as C7, with your fingers. The centre line of the belt should be precisely aligned with C7.

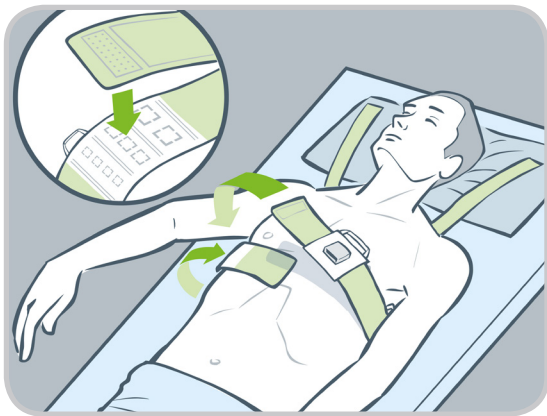
➡ 10

Step 10: Fit the SensorBelt (2)



- Now fold the SensorBelt out. Place the top shoulder strap over the shoulder and the foam-coated belt around the chest just below the armpit.
- Align the centre line with the spine and make sure that the top edge of the green fabric is level with C7.

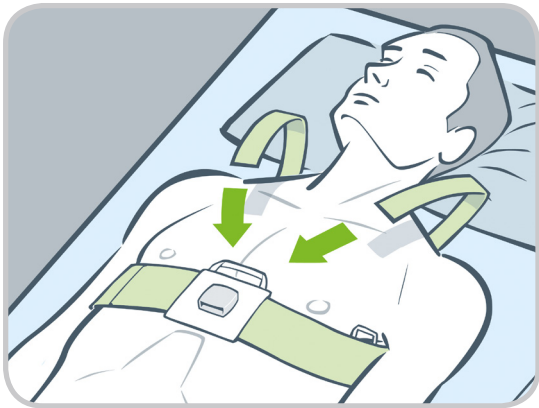
Step 11: Secure the SensorBelt



- Secure the SensorBelt on the back by smoothing it out and cautiously return the patient to supine position.
- Then pull the folded part of the SensorBelt out from under the patient, and close it with the Velcro closure on the opposite side.

Prepare the patient for EIT monitoring

Step 12: Attach the SensorBelt (1)



- Thread the shoulder strap through the loop of the centre cuff and attach it with Velcro.

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Step 13: Attach the SensorBelt (2)



- As an alternative, you can also use the lateral loops.

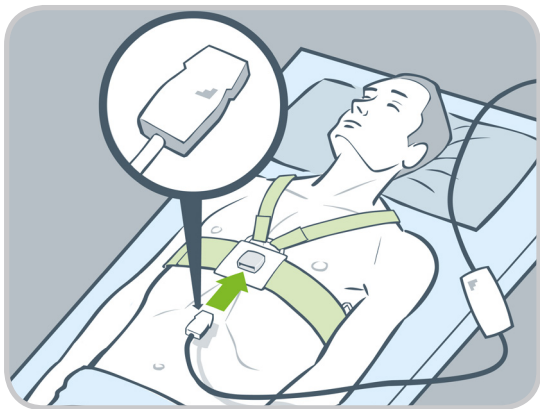
14



The SensorBelt is now in a symmetrical position on the body (with reference to the spine). On the patient's back, the centre line follows the spine from C7 down. The belt is wrapped around the patient just below the arm pits and breasts. Depending on the patient's circumference and the belt size, the DockingStation on the patient's sternum may shift slightly to the right (belt relatively large for this patient) or to the left (belt relatively small for this patient) with proper symmetrical positioning and the correctly chosen belt size.

Prepare the patient for EIT monitoring

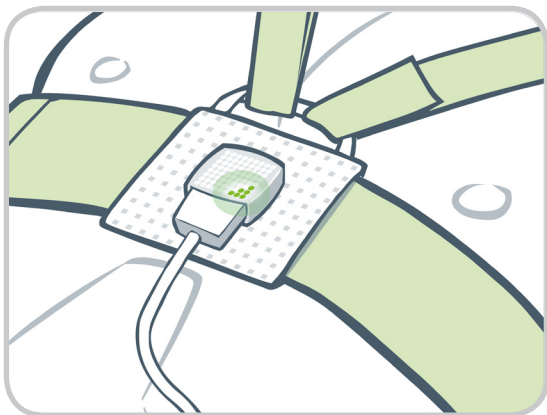
Step 14: Start up the SensorBelt



- The SensorBelt is now ready for operation. Plug the connecting cable into the DockingStation on the front of the belt until you hear it click into place.

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Step 15: Indicator light on SensorBelt



- Once the device is connected, a green light will come on after a few moments.

16



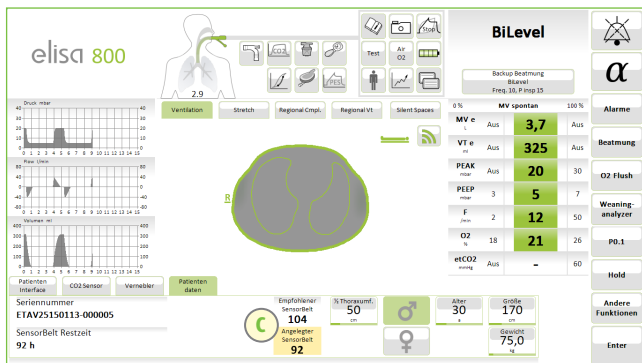
If the light turns **red**, no measurement can be performed and the SensorBelt may be defective. Replace the SensorBelt.

Step 16: Activate EIT



- Start the EIT function by tapping on the animated lung (A).
- Open the input screen by tapping on the Patient icon (B).

Step 17: Enter patient data



Enter patient data:

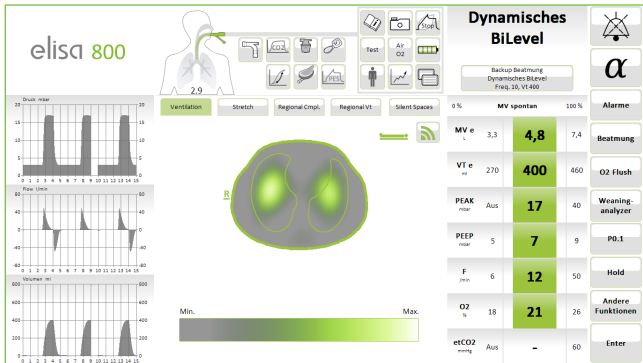
- Height
- Actual weight
- Gender
- Age
- Half chest circumference in cm

18



If the measured chest circumference matches the attached SensorBelt, both display values will appear in white font (C). These data are essential for the correct computation of the EIT image.

Step 18: Minimize sources of interference



- Deactivate respiratory rate detection feature of the intensive-care monitor.
- Suspend continuous CO monitoring by means of Swan Ganz (the electrical signals of the measurement may interfere with those of the EIT measurement)

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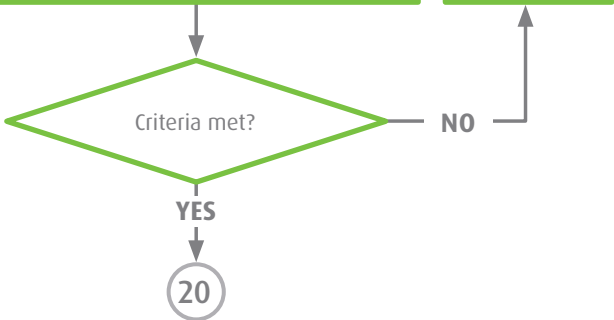


In case of inadequate image quality, check first whether enough ContactAgent has been applied.

Step 19: Check the settings and the SensorBelt

Verify details:

- Proper entry of patient data;
- SensorBelt size matches the recommended size;
- ContactAgent was applied correctly in accordance with instructions;
- SensorBelt is properly fitted to the body and correctly positioned;
- Signal quality is adequate;
- SensorBelt has been in use for less than 96 hours.



In case of inadequate image quality, check first whether enough ContactAgent has been applied.