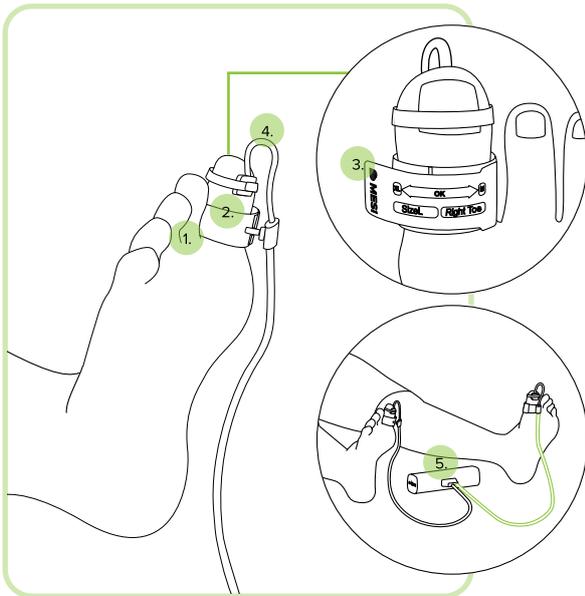


MESI mTABLET TBI - Tips for a successful measurement

Select the **patient** in the mTABLET and **select the TBI application**.

- > Perform the measurement in a **warm room** (21-25 °C / 70-77 °F).
- > **Warm up** the patient's toes to prevent vasoconstriction (27-28 °C / 80-82 °F is optimal).
- > The toes **should not be hyperextended** or flexed.
- > **Keep the light conditions the same**. If you can not get a stable signal, try covering up the toes.
- > Have the patient in **as supine a position as possible**.
- > Use the **correct toe and arm cuff size**. The size indicator must be in the **OK region**.



1. The cuff should be positioned at the **bottom of the toe** to ensure there is enough space for the probe.
2. The cuff connector should be facing the **soft/ bottom part** of the toe.
3. **Fasten the cuff sufficiently**: the bladder must momentarily block the blood flow in the artery, but shouldn't cause the toe to change colour.
4. Bend the probe cable to make an **arch towards the soft part of the toe**. The entire surface of the probe has to be in contact with the skin, snug against the toe.
5. The module should be placed **between the legs**, with the tubes facing outwards.

After placing the cuffs and the probe, run the measurement by clicking **CONTINUE**.

1. Wait for a few seconds for the signal strength amplitudes to adapt on their own OR amplify them manually by pressing the (-) and (+) buttons.
2. The amplitudes should span across 3-4 squares.
3. Once the waveforms are stabilised, press **START**.

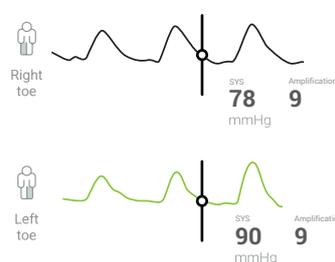


During the measurement, verify if the toe waveforms have gradually **become smaller and flatlined** before they reappear as the cuff deflates.

Correct caliper positioning



Wrong caliper positioning



Check if the **caliper is positioned correctly**. The caliper should be positioned at the beginning of the first clearly visible waveform, i.e. the first waveform denoting the beginning of a clear pulse pattern.

Each next waveform is similar or larger in shape. **Reposition if necessary**.

1

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