Compartment Pressure Measurement

Intracompartment Pressure Measurement is the safest way for an early diagnosis of Compartment Syndrome.

Measuring system consisting of:

**Pressure Monitor NPS3 + ICP-Temp-Cable + OMNIBAR E5F Catheter**

**Your advantage:**

- Sterile pressure measurement catheter complies hygienic requirements
- Plug & Play system – no catheter calibration necessary
- Simple and precise compartment pressure measurement using microchip technology
- Excellent measurement stability and linearity
- System does not add any additional fluids to the compartment

**OMNIBAR E5F:**

Intramuscular Tissue Pressure Measuring (IMP) Catheter
- Outside diameter: 5F
- Catheter length: 55 cm
- Material: PU
There are many types of Compartment Syndrome like: fractures, leg vein thrombosis, ruptures of a muscle fiber, strain traumas and contusions, congestions, compression of soft tissues.

Compartment Syndrome occurs when excessive pressure builds up in an enclosed space in the body. The high pressure in the compartment impedes blood circulation to and from affected tissue and can cause severe tissue damage.

Application

The OMNIBAR E5F measures the pressure inside the compartment at rest, during a stress test and after the stress test. The difference in these 3 pressures can confirm the diagnosis.

There are 3 different possible set ups to measure the pressure measurement:

1. The NPS3 battery operated device connected to a ICP-TEMP-Cable (extension cable)
2. One end of the NPS2 connects directly to the patient monitor and the other end is connected to the ICP-TEMP-Cable (extension cable)
3. MPR 1 DATALOGGER monitor connected to the ICP-TEMP-Cable. With this set up it is possible to measure and compare three IMP-pressures in the healthy and ill tissue.

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Article number</th>
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<tbody>
<tr>
<td>OMNIBAR E5F*</td>
<td>Catheter for measuring pressure</td>
<td>091204</td>
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<tr>
<td>ICP-TEMP-Cable</td>
<td>Extension cable</td>
<td>094328</td>
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<tr>
<td>NPS3</td>
<td>Battery operated pressure device</td>
<td>091656</td>
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<tr>
<td>NPS2</td>
<td>Adapter cable to all established patient monitors</td>
<td>inquire</td>
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<tr>
<td>MPR 1 DATALOGGER</td>
<td>Data record and storage</td>
<td>094474</td>
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*is to be placed by means of a venous cannula of size G 14

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