



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



OMNIBAR E5F:

Intramuscular Tissue Pressure Measuring (IMP) Catheter - Outside diameter: 5F - Catheter length: 55 cm - Material: PU

Your advantage:

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

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

Product

NPS3

NPS2

OMNIBAR E5F*

ICP-TEMP-Cable

The **OMNIBAR ESF** 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.

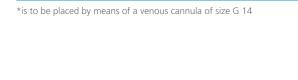
There are 3 different possible set ups to measure the pressure measurement:

- 1. The **NPS3** battery operated device connected to a **ICP-TEMP-Cable** (extension cable)
- One end of the NPS2 connects directly to the patient monitor and the other end is connected to the ICP-TEMP-Cable (extension cable)
- 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.

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NPS2		
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MPR 1 DATALOGGER

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MPR 1 DATALOGGER Data record and storage

Description

Extension cable

patient monitors

Catheter for measuring pressure

Battery operated pressure device

Adapter cable to all established



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