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Making the improbable possible.

Mikro-Cath™ Compartment Pressure Catheter

When considering the critical decisions made while monitoring for **acute compartment syndrome (ACS)** or testing for **chronic exertional compartment syndrome (CECS)**, knowing the continuous pressure trendlines builds confidence in the decision making process.

Millar has a history of delivering accuracy in pressure measurements that are backed by thousands of peer reviewed publications.

Detect early compartment syndrome.

Continuous and Accurate Compartment Pressure Measurements

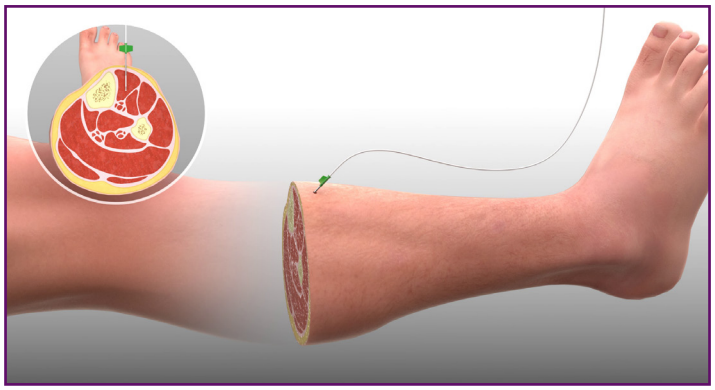
The Mikro-Cath™ Pressure Catheter uses our proven pressure sensor technology to record precise measurements within compartments of the body, typically in the upper and lower extremities, to monitor for compartment syndrome. The high-fidelity pressure catheter provides continuous data in real-time and signals are unaffected by patient position or movement during exercise studies. This increases accuracy and better insights into pressure changes.

Benefits of Continuous Measurements

Continuous measurement of compartment pressures offer many benefits over single point monitoring devices. The greatest advantage is the ability to evaluate average pressure trends and assess data in real-time. Physicians can know the exact time when pressures cross and sustain threshold levels for better patient evaluation. Plus, continuous pressure data allows for more cost-effective monitoring over extended periods of time.

Patients also experience reduced stress with one catheter introduced per compartment monitored compared to multiple needle insertions, as required by traditional single point monitoring systems.

Example Compartment Insertion for ACS and CECS



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Sized for Multiple Compartments

The Mikro-Cath is well suited for small hand compartments, such as the thenar, and larger leg compartments, including the superficial posterior.

Recommended Setup

The catheter connects via cable to the Millar TC-510 Control Unit and then directly connects to a clinical cable and standard clinical monitor.

Mikro-Cath™ Solid-State Sensor Advantages

- No issues with air bubbles interfering with pressure signal
- No need to calibrate to patient height or insertion angle
- Patient position does not affect pressure signal
- Pressure measurements can be recorded over time up to 24 hours

Product Specifications

Description	Mikro-Cath
Model Number	825-0101
Working Length	120 cm
Tip F Size	3.5F (1.2 mm)
Body F Size	2.3F (0.8 mm)
Tip Configuration	Straight
Material	Nylon
Use	<24 hours

Indications for Use Statement

The Mikro-Cath Pressure Catheter is a single-use catheter intended to be used for medical research and diagnostic purposes. The catheter is indicated to measure cardiovascular, intra-compartmental, and airway pressures in the human body. The catheter is used as a minimally invasive device under short-term limited body contact (<24 hours). The Mikro-Cath Pressure Catheter may be introduced into the targeted muscle compartment through an introducer. The Mikro-Cath may be introduced into the respiratory system through an existing orifice or through an incision.

Additional contraindications, precautions and warnings are referenced in the Instructions for Use available under the Knowledge Center acute catheter manuals.

The compartment pressure application is approved for use in the United States and Europe.

For greater precision in compartment syndrome diagnosis, please contact us: insights@millar.com | T: +1 832-667-7000

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