Codman®
DirectLink® ICP Module and Codman Microsensor® ICP Transducer

When Simplicity and Accuracy Matter

Codman Microsensor® ICP Transducer is MR Conditional at 1.5T and 3T
The DirectLink® ICP Module is an easy to use, cost-effective solution to monitor Intracranial Pressure (ICP) without the need for a stand-alone ICP monitor.

**Features Include:**

- Ability to connect and calibrate an ICP sensor directly to a patient bedside monitor to display a patient’s ICP value.
- Enables ICP data to be stored in an Electronic Medical Record (EMR) system.
- Allows for the patient to be disconnected and reconnected to the patient bedside monitor during routine clinical care events such as transport for imaging.

**Easy to Use**

- The simple to use two button interface offers quick equipment setup for monitoring ICP.
- Single button zeroing of the patient monitor and ICP transducer.
- Allows the Codman Microsensor ICP Transducer to interface with a variety of patient monitors, enabling movement of patients throughout the hospital.

**Compact and Durable**

- Measuring approximately 2.5" x 3.5" x 1" (6.4 cm x 8.9 cm x 2.5 cm) and weighing under 3.5 oz (100 g), the DirectLink ICP Module is lightweight and easy to transport.
- Little to no maintenance costs as a result of no internal battery or moving parts.
Direct Pressure Monitoring at the Source in Multiple Procedural Kit Configurations

The Codman Microsensor ICP Transducer consists of a miniature strain gauge pressure sensor mounted in a titanium case at the tip of a 100 cm 3F flexible nylon tube. The Codman Microsensor ICP Transducer monitors intracranial pressure directly at the source – parenchymal, subdural, or intraventricular.

Small, Flexible and Low-Profile

The small size and flexibility allows for low-profile tunneling under the scalp and kinking of the transducer without breakage or monitoring interruption.

Accuracy and Minimal Drift

Studies performed on the Codman Microsensor ICP Transducer\(^3\)\(^4\)\(^5\) demonstrate a high degree of accuracy and stability in ICP monitoring. One study showed a mean drift of 0.9 mm Hg over an average 7.2 days of monitoring, with 25 percent of the sensors exhibiting no drift during the entire monitoring period\(^3\).

Elimination of Maintenance Requirements Associated with Fluid Coupled Systems

The Codman Microsensor ICP Transducer eliminates the need for constant alignment of the transducer to the patient’s head and periodic re-zeroing. False readings associated with obstructions, air bubbles or movement of the patient fluid lines are no longer a concern.

MR conditional

The Codman Microsensor ICP Transducer is MRI conditional and may be imaged in the MR environment when used in accordance with the manufacturer’s instructions for use.\(^1\)

Critically ill neurosurgical patients may benefit from the additional information gained through MR imaging for planning therapy and predicting outcomes.\(^2\)
The intended use of the DirectLink ICP Module is to enable the connection of Codman intracranial pressure sensors to an available invasive blood pressure input channel on select commercially available third party patient bedside monitor systems. Use of the Codman Microsensor Basic Kit and Codman Microsensor Skull Bolt are indicated when direct intracranial pressure (ICP) monitoring is required. The kit is indicated for use in both subdural and intraparenchymal pressure monitoring applications only. Use of the Codman Microsensor Catheter Kit is indicated when direct intracranial pressure (ICP) monitoring is required. The kit is indicated for use in intraventricular pressure monitoring and cerebral spinal fluid (CSF) drainage applications. See Instructions for Use for complete product information and specific MRI Safety Information.

**References**

Availability of these products might vary from a given country or region to another, as a result of specific local regulatory approval or clearance requirements for sale in such country or region. **Non contractual document. The manufacturer reserves the right, without prior notice, to modify the products in order to improve their quality.** **Warning: Applicable laws restrict these products to sale by or on the order of a physician.** **Consult product labels and inserts for any indication, contraindications, hazards, warnings, precautions, and instructions for use.**

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