

Upgraded Maltese Corrugated Catheter



Article Overview

The Upgraded Maltese Corrugated Catheter is a flexible, self-straightening catheter with a corrugated shaft designed for optimal lumen patency, tissue compliance, and reduced encrustation.

Design and Structure

The catheter features a spiral or annularly corrugated shaft made from thin-walled, foil-like material that elastically returns to its original shape after deformation. This design allows the lumen to remain nearly circular under external pressures of 10-100 mbar, while the shaft can bend 30-90 degrees without significant lumen narrowing. If a critical deflection angle is exceeded, the catheter transitions into a force-neutral axial fold, maintaining structural integrity and minimizing trauma to surrounding tissues .

Material and Coatings

Modern versions of this catheter are often made from silicone or hydrophilic-coated elastomers, which are hypoallergenic, biocompatible, and reduce encrustation. Some models incorporate antimicrobial coatings, such as silver or nitrofurazone, to inhibit bacterial growth and lower the risk of catheter-associated urinary tract infections . These coatings can be applied internally, externally, or both, enhancing long-term safety and performance.

Functional Advantages...

Article Content

US20250319280A1

WO2018/011627 (Neuvt Limited) describes various catheters of this type. The invention is directed towards providing improvements

Catheter Mount - medlishealthcare /

The corrugated tubular Device connected between the patient and the breathing system providing mobility and flexibility to the

Catheter Mounts • Flexicare

Catheter Mounts Designed to provide a flexible connection between an intubation device and a breathing circuit and reduce the drag

Catheter Mount | Sinocare Medical Technology Co.,Ltd.

A range of catheter mounts and elbows for connecting the patient to the breathing system. Catheter mounts are available in three

Perfuzee Receives FDA Clearance for Millipede88

The Millipede88® is the first 088 aspiration catheter with patented corrugated technology cleared for standalone direct

Intersurgical

A range of catheter mounts for connecting the patient to the breathing system, available in three types of tube: Flextube, Smoothbore

Large Letter PIP Maltese Cross Postal Boxes Brown Cardboard

Sturdy Construction: These boxes are made from high-quality, corrugated cardboard material, providing excellent strength and

Tools & Techniques: choice and use of guiding catheters

A comprehensive guide on selecting the appropriate guiding catheter for coronary interventions based on patient anatomy and

Methods and Types of Urinary Catheters Used for Indwelling or

Urinary catheters come in varying sizes, configurations and material. There is insufficient evidence to determine whether there is an

Urinary catheters: state of the art and future perspectives - a ...

This type of catheter is used for intermittent catheterization, treating urethral strictures as well as instillation of drugs in

Specialty Foley Catheters

Each catheter model is tailored for specific surgical or diagnostic needs. To view detailed information such as specifications,

Catheter Components and Technologies

TE supports OEMs design, develop, and manufacture intricate and optimally engineered catheter components / assemblies for

Catheters in vascular interventional radiology: an illustrated review

Catheters, in particular, are an invaluable tool for interventionists. The purpose of this review is to describe the identification

US12239797B2

The catheter distal end has a plurality of portions of different configurations for different bending and/or pushability characteristics.

IMPROVED CATHETERS AND DEVICES AND SYSTEMS

However, there is generally a trade-off between the features of catheter diameter, trackability, flexibility, and kink resistance. An

Catheter Mount

Catheter Mount are designed for delivery of oxygen/ gases to the patient and can be connected with Endotracheal (ET) tube for

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.gmarkconstruction.co.za>

Email: sales@gmarkconstruction.co.za

Phone: +31-6-15-38-72-94

Address: Herengracht 456, 1017 BS Amsterdam, Netherlands

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