



GARDEX™
Embolus Protection Device

Introducing the **Ultimate**
Embolus Protection Device



Embolic Protection Finally Made Easy

GARDEX™ is an embolic protection device that allows the physician to use any 0.014" guide wire of choice throughout the entire procedure, cross challenging anatomies with confidence and lock the filter on the same guide wire anywhere along the wire. The one size GARDEX™ device covers vessels ranging between 3.5mm and 6.0mm in diameter. Its uniform 120µ pore filter provides continuous blood flow while maintaining embolic capture efficiency.

Pre - loaded filter

The GARDEX™ rapid exchange delivery catheter is provided with a **pre-loaded** filter unit and requires no prepping prior to use.

Any guide wire - your guide wire of choice

The GARDEX™ pre-loaded gold-coated filter can be remotely locked onto **any standard 0.014" guide wire of choice**. This allows the physician the freedom to choose the optimal guide wire for the procedure. GARDEX™ uses a single guide wire - **your guide wire of choice** - throughout the entire procedure, maintaining optimal position, support and stability.

Anywhere on the Wire

The GARDEX™ unique technology allows the gold-coated filter to be delivered to the target position over the guide wire of choice, then locked and deployed **anywhere on the guide wire, anywhere along the target vessel, providing optimal side branch protection** without compromising wire support and stability.



Enhanced Retrieval

The GARDEX SuperPass™ Retrieval Catheter offers a unique retractable conic soft tip technology that ensures smooth deliverability across stented area, particularly in tortuous anatomies and open cell design stents.

Proprietary Deliver, Lock and Deploy Technology

Gardia Medical's **Deliver, Lock and Deploy** technology offers the physician **improved deliverability with maximum flexibility** in guide wire placement and **complete control** over filter positioning.

Superior Clinical Benefits

Current EPD systems are fixed-on-a-dedicated-wire systems resulting in inferior wire characteristics, limited functionality, limited stability and support and increased complexity. All systems require significant preparation time while loading the filters into their respective delivery catheters.

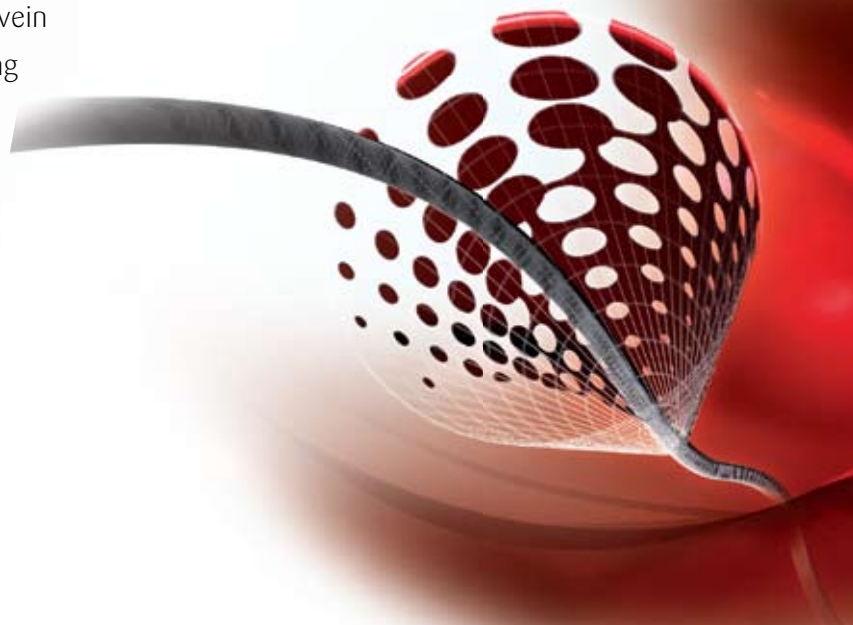
	Existing EPDs	GARDEX™
Guide wire of choice	NO - dedicated wire	YES
Filter delivery	Tracking a bulky catheter	Tracking over the wire of choice
Filter position on wire	Fixed - distal end of dedicated wire	Physician's choice anywhere on any wire
Side branch protection	Limited	Maximal
Distal guide wire support	Limited	Maximal
Added time to procedure	Yes	None, pre-loaded filter
Procedure failure rate	20%*	None

* EMERALD and Dedication studies, AMI

Clinical Experience

Thirty nine (39) patients undergoing CAS have been treated at the Leipzig Heart Center in Germany and the Interventional Cardio-Angiology Unit in Villa Maria Cecilia hospital, Contignola, Italy. The GARDEX™ embolic protection device demonstrated excellent safety and performance; this early clinical experience suggests GARDEX™ is easy to use and outperforms in challenging anatomies.

Additional clinical experience with GARDEX™ has also been obtained in saphenous vein graft, lower extremity and renal stenting procedures with excellent results.



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Technical Specifications

Delivery Catheter

Guidewire	Commercially available 0.014" guide wire
Visibility	Gold coated filter frame
Filter Material	Nylon membrane, Nitinol frame
Size range	3.5-6.0 mm vessel diameter
Filter length	22.5mm
Pore size	120μ
Crossing profile	3.2F
Guide catheter/Sheath	6F
Delivery Catheter Length	145cm

Superpass Retrieval Catheter

Retrieval Catheter Length	146cm
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About Gardia Medical

Gardia Medical develops specialized catheter-based delivery systems to **Deliver, Lock, and Deploy** devices on any guide wire, anywhere on the wire, in minimally invasive interventional procedures.



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