



# Medtronic

## LAUNCHER

### Peripheral Guide Catheter

#### Advanced Platform Designed for Multiple Interventional Approaches

Launcher's new primary segment allows you to **actively engage while preserving curve shape**:

- > Balanced catheter shaft maintains backup support for challenging cases.
- > Controlled torque allows for precise movement.

#### Absolute Visualization

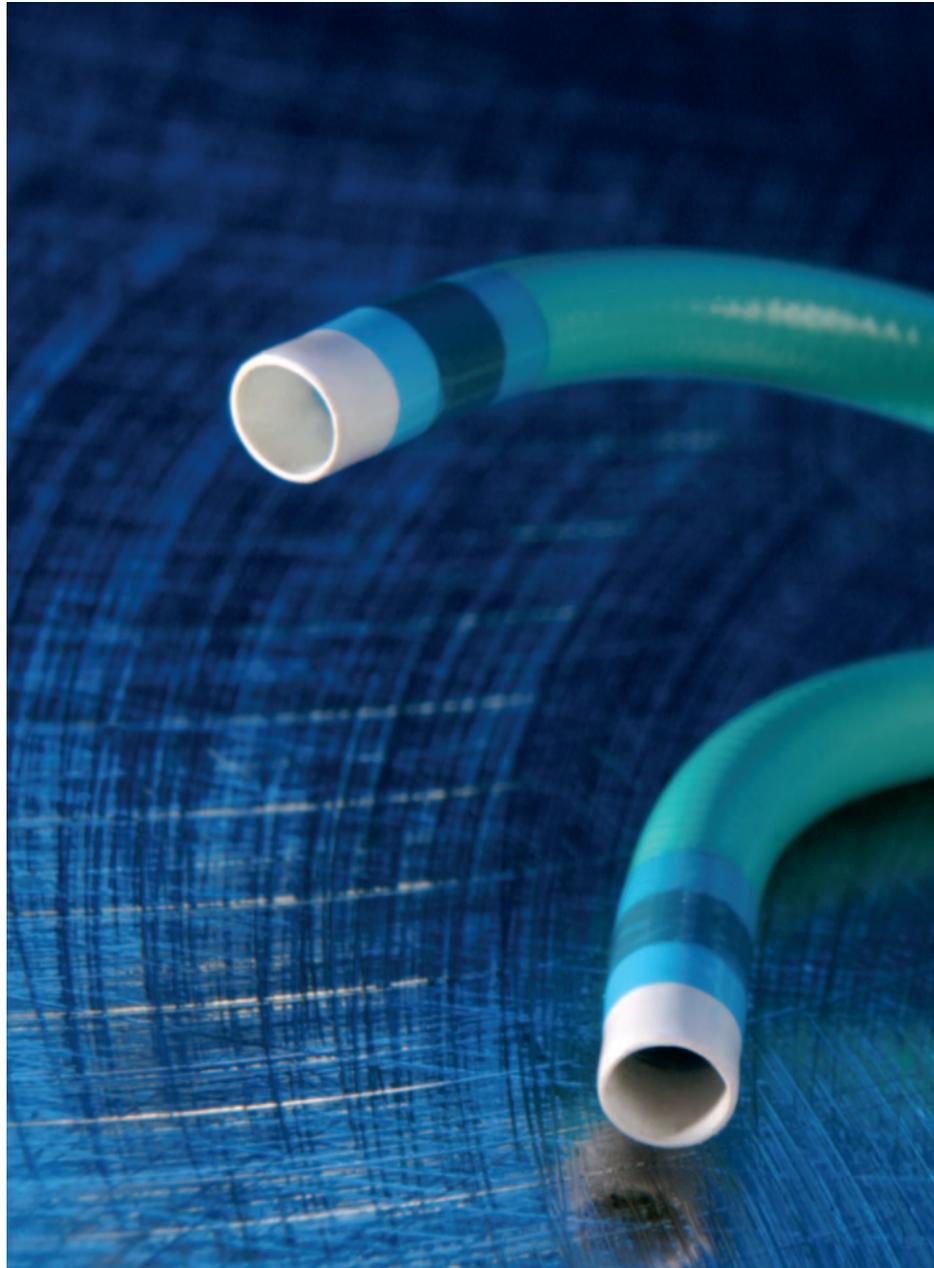
The catheter design offers a **complete view** of the guide and vessel:

- > Vest-Tech Nylon and wire braid provide exceptional hub-to-tip radiopacity.
- > Radiopaque marker band facilitates accurate ostial engagement and visualization.

#### Launching a New Frontier

Proprietary design delivers **performance you expect** from Medtronic:

- > Largest lumens available (6F and 7F) provide broad product compatibility:
  - 6F I.D. (0.071 in.).
  - 7F I.D. (0.081 in.).
  - 8F I.D. (0.090 in.).
- > **Full Wall Technology** uses encapsulated flat-wire braid to achieve a large lumen catheter.



*Balanced Performance That's Ahead of the Curve*

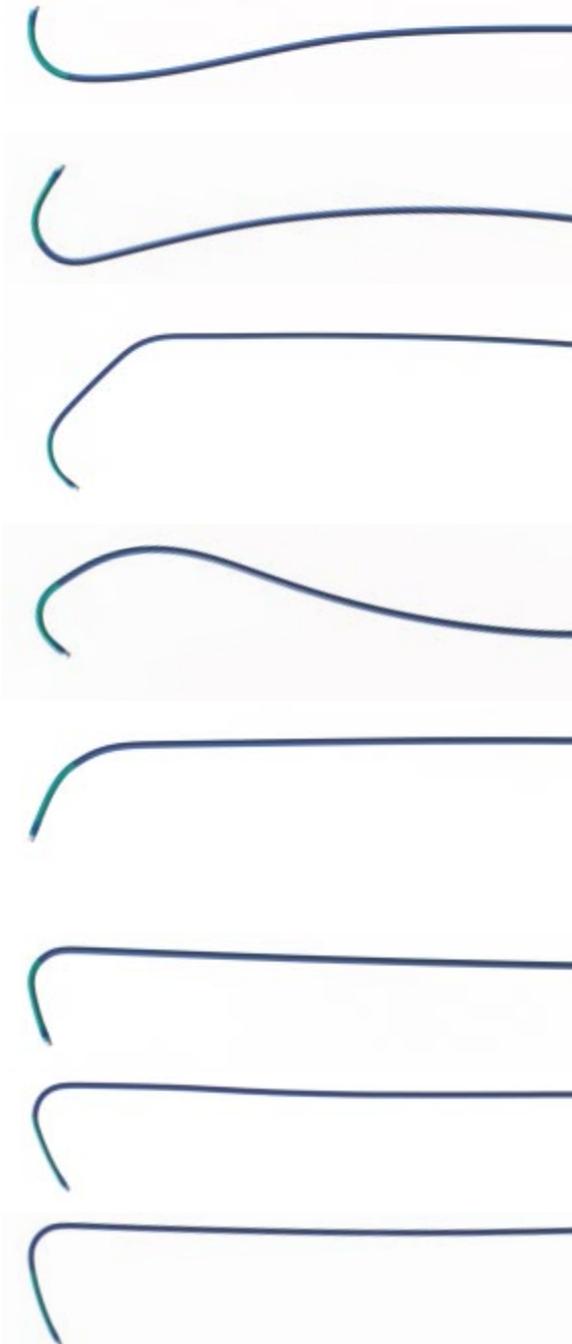
# LAUNCHER

Peripheral Guide Catheter

Medtronic Ordering Information

Contact your Medtronic Vascular sales representative

Product Code	French Size (F)	Length (cm)	Curve Style
<b>RENAL CURVE</b>			
LA6PK1W	6	47	PK1
LA7PK1W	7	47	PK1
LA8PK1W	8	47	PK1
<b>HOCKEY STICK</b>			
LA6MPHK	6	55	MPH
LA7MPHK	7	55	MPH
LA8MPHK	8	55	MPH
<b>RENAL DOUBLE CURVE</b>			
LA6RDCK	6	55	RDC
LA7RDCK	7	55	RDC
LA8RDCK	8	55	RDC
<b>SHEPHERD'S CROOK</b>			
LA6SCR40K	6	55	SCR
LA7SCR40K	7	55	SCR
LA8SCR40K	8	55	SCR
<b>MULTIPURPOSE</b>			
LA6MP1K	6	55	MP1
LA7MP1K	7	55	MP1
LA8MP1K	8	55	MP1
<b>CHAMP</b>			
LA6CHAMP15K	6	55	Champ 1.5
LA7CHAMP15K	7	55	Champ 1.5
LA8CHAMP15K	8	55	Champ 1.5
LA6CHAMP20K	6	55	Champ 2.0
LA7CHAMP20K	7	55	Champ 2.0
LA8CHAMP20K	8	55	Champ 2.0
LA6CHAMP25K	6	55	Champ 2.5
LA7CHAMP25K	7	55	Champ 2.5
LA8CHAMP25K	8	55	Champ 2.5



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[www.MedtronicAVE.com](http://www.MedtronicAVE.com)

Please reference appropriate product *Instructions for Use* for any indications, warnings and precautions.

CAUTION: Federal (USA) law restricts this device to sale by or on the order of a physician.

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**Medtronic AVE**

Launcher™ >

Renal  
Guiding Catheter

*Balanced performance that's ahead of the curve*

Launcher

# Guide Catheter Performance

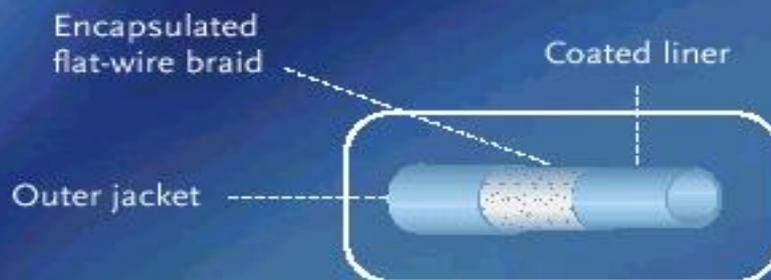
- **Handling characteristics**
  - Torque response
  - Back-up support
  - Ease of device deployment
- **Shaft characteristics**
  - Lumen size
  - Kink resistance
- **Tip characteristics**
  - Tip softness
  - Visibility to access tip location
  - No fish mouthing
- **Curve characteristics**
  - Curve support
  - Shape retention
  - Shape predictability / consistency
  - Curve kink resistance

# Downsize Without Compromise

*Performance plus large lumens: the perfect balance for today's challenging interventions*

Proprietary Full Wall Technology™ provides:

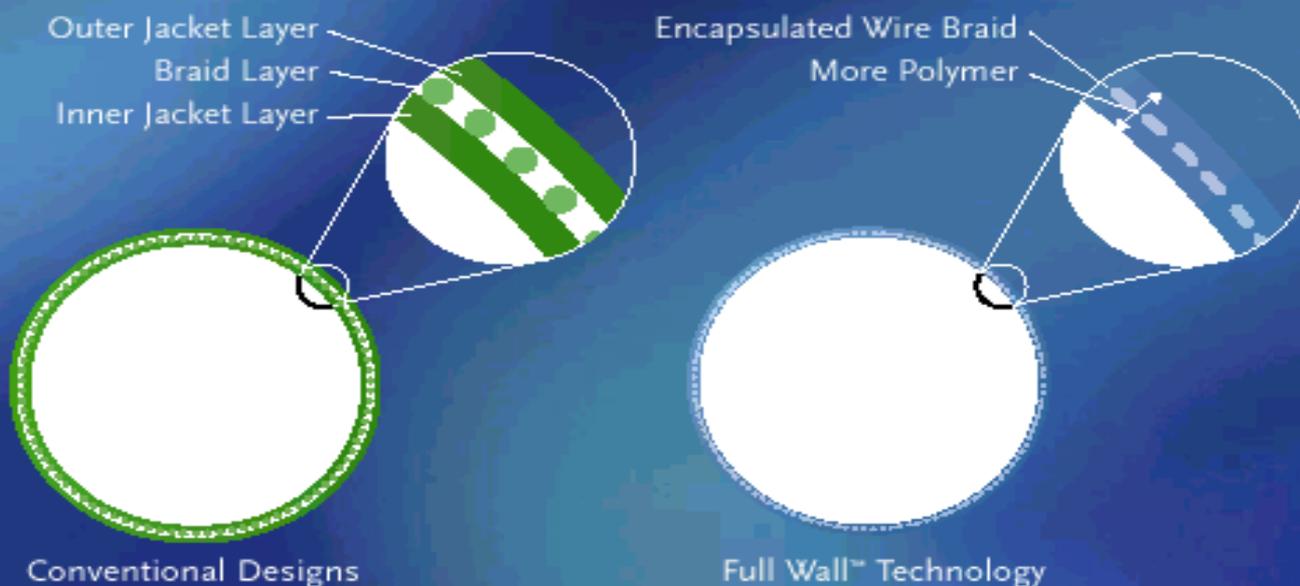
- Kink-resistance
- Curve retention
- Torque transfer
- Lumen lubricity



# Full Wall Technology

Launcher maximizes catheter construction without trading off performance:

- Encapsulated braid allows for more polymer for added support
- Increases flexibility without losing support

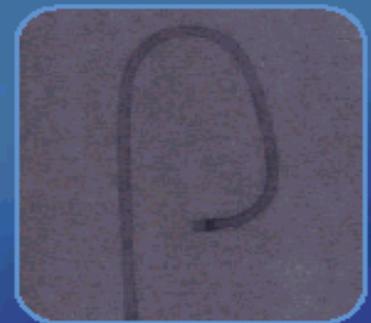


# Launcher Positioning and Key Messages

*“Balanced performance that’s ahead of the curve”*

The three key messages are:

- **Dependable platform for optimal outcomes**
  - Provides the backup and curve retention you need from a large lumen catheter
- **Absolute visualization**
  - More dye flow than the leading competitor
  - Exceptional radiopacity from distal shaft to tip
- **Launching new frontiers**
  - Large lumens due to Full Wall Technology™
  - Broader device compatibility



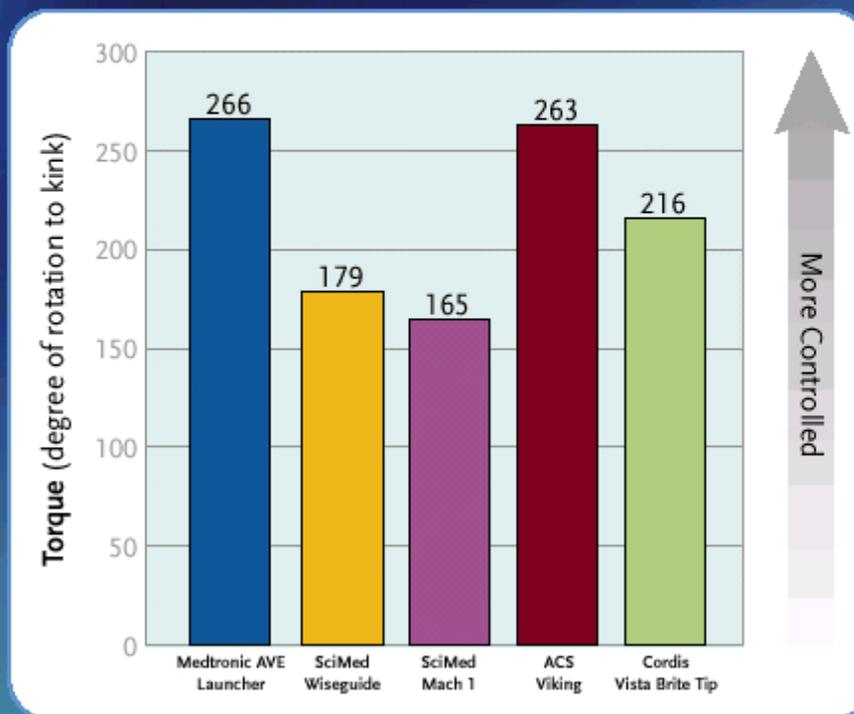
**Medtronic AVE**

GUIDE CATHETERS > *Launcher*

# Controlled Torque Allows Precise Placement

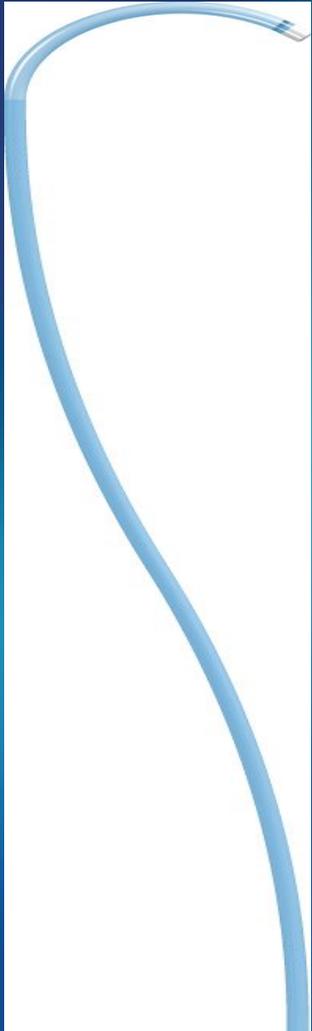
Launcher's supportive yet flexible shaft absorbs torque:

- More control from hub to tip
- Prevents whipping and diving during guide placement
- Provides 1:1 torque for ease of placement
- Provides increased torsional kink-resistance



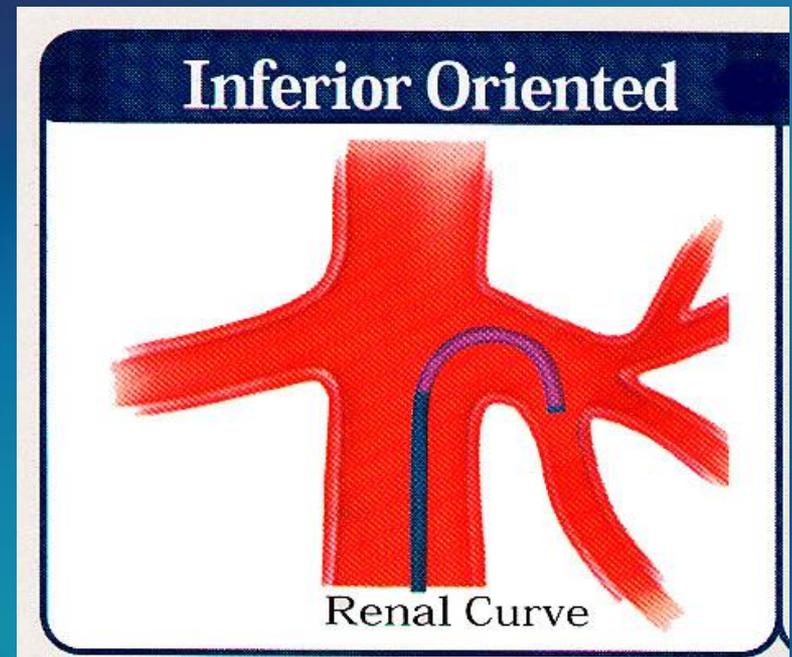
*Controlled torque means when you stop turning the hub, Launcher's tip stops moving!*

# Peripheral Guide Catheter Curves



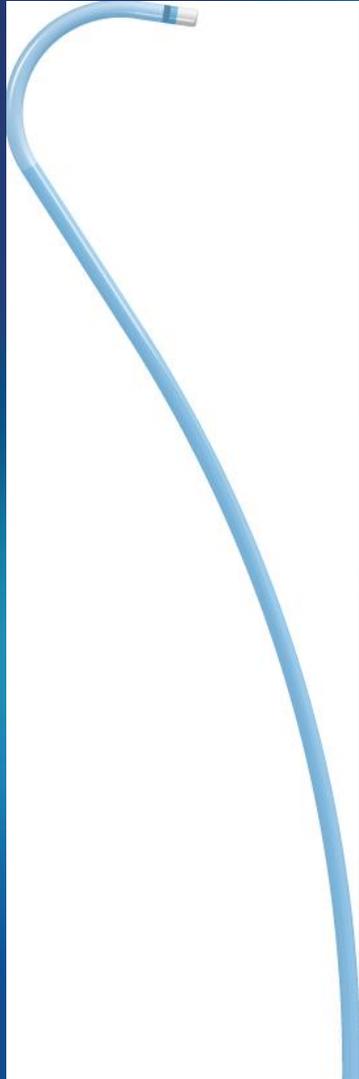
## Renal curve

- 6F, 7F and 8F
- Length 55cm
- Catalog numbers:  
LA6PK1W  
LA7PK1W  
LA8PK1W



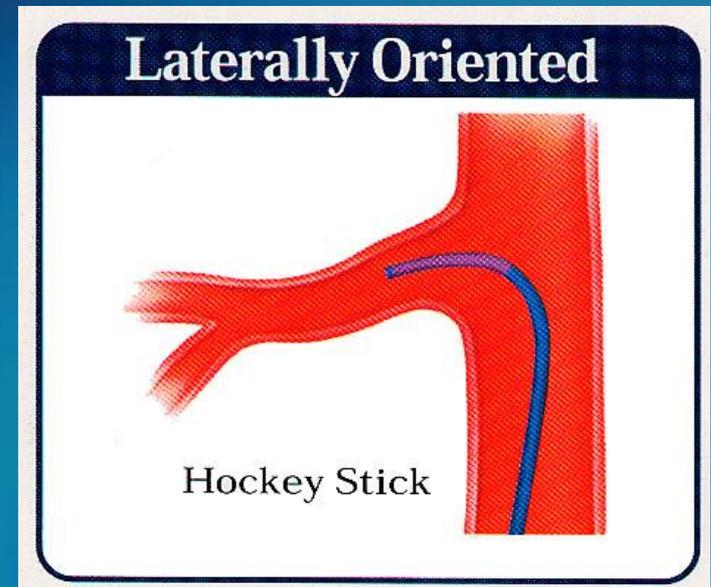
- Designed for inferior take off with multiple side branches

# Peripheral Guide Catheter Curves



## Hockey stick

- 6F, 7F and 8F
- Length 55cm
- Catalog numbers:  
LA6MPHK  
LA7MPHK  
LA8MPHK

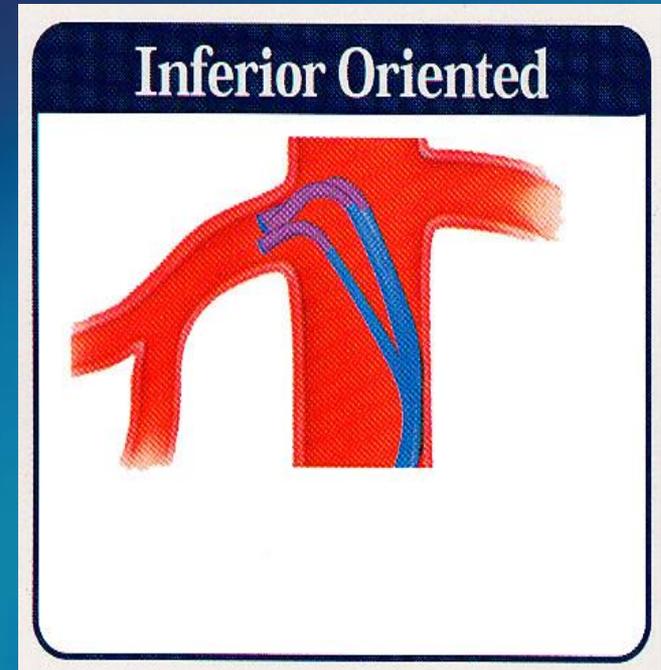
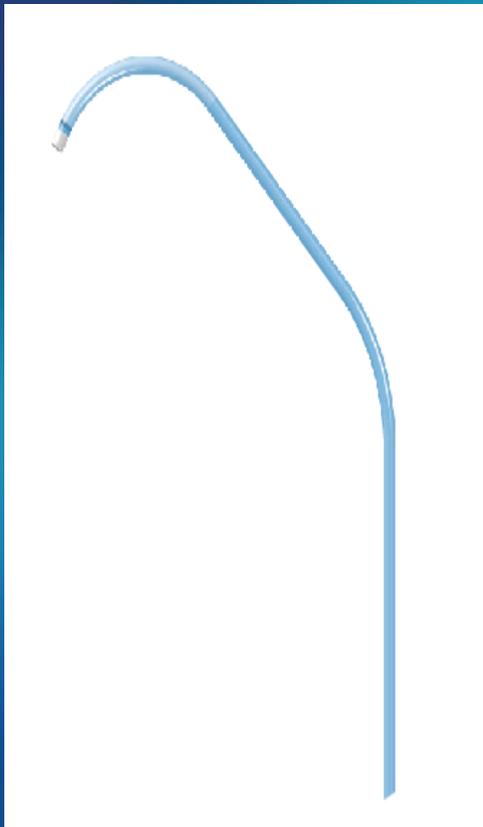


- Designed for ostiums that are mildly superior in orientation.

# Peripheral Guide Catheter Curves

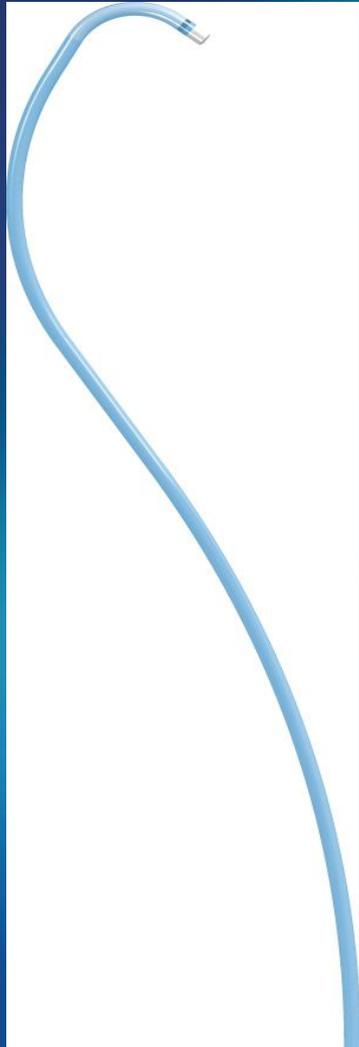
## Double curve

- 6F, 7F and 8F
- Length 55cm
- Catalog numbers:  
LA6RDCK  
LA7RDCK  
LA8RDCK



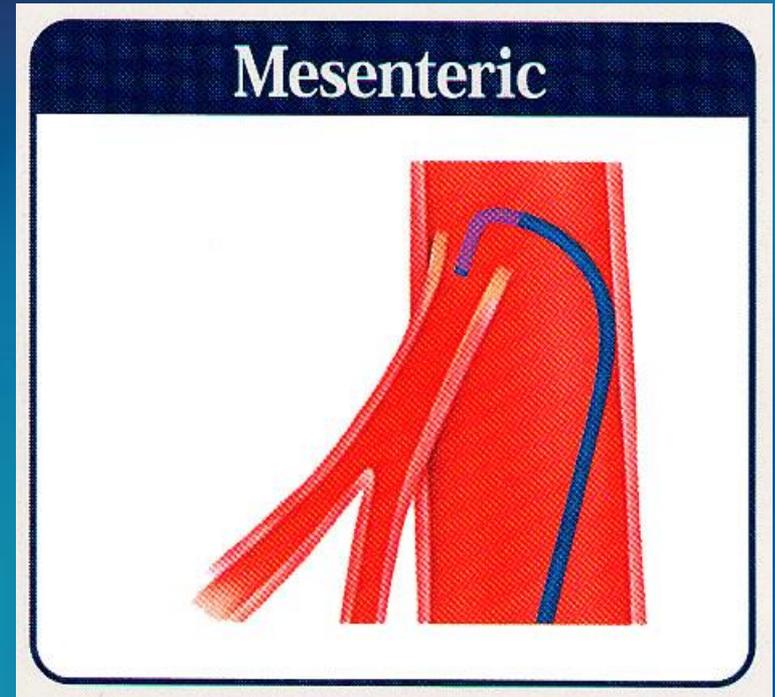
- Designed for an inferior take-off.
- Offers contra-lateral support curve can buttress up against vessel wall.

# Peripheral Guide Catheter Curves



## Shepherd's crook

- 6F, 7F and 8F
- Length 55cm
- Catalog numbers:  
LA6SCR40K  
LA7SCR40K  
LA8SCR40K

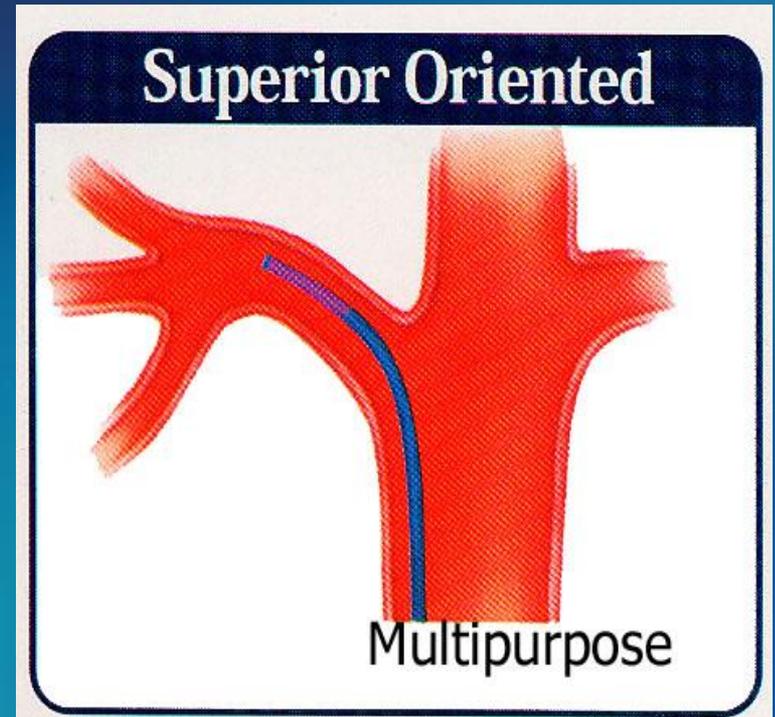


- Designed for superior take off that slope down

# Peripheral Guide Catheter Curves

## Multipurpose

- 6F, 7F and 8F
- Length 55cm
- Catalog numbers:  
LA6MP1K  
LA7MP1K  
LA8MP1K



- Designed for vessels with a transverse origin.

# Peripheral Guide Catheter Curves



## Champ (1.5/2.0/2.5)

- 6F, 7F and 8F
- Length 55cm
- Catalog numbers:

LA6CHAMP15K

LA7CHAMP15K

LA8CHAMP15K

LA6CHAMP20K

LA7CHAMP20K

LA8CHAMP20K

LA6CHAMP25K

LA7CHAMP25K

LA8CHAMP25K