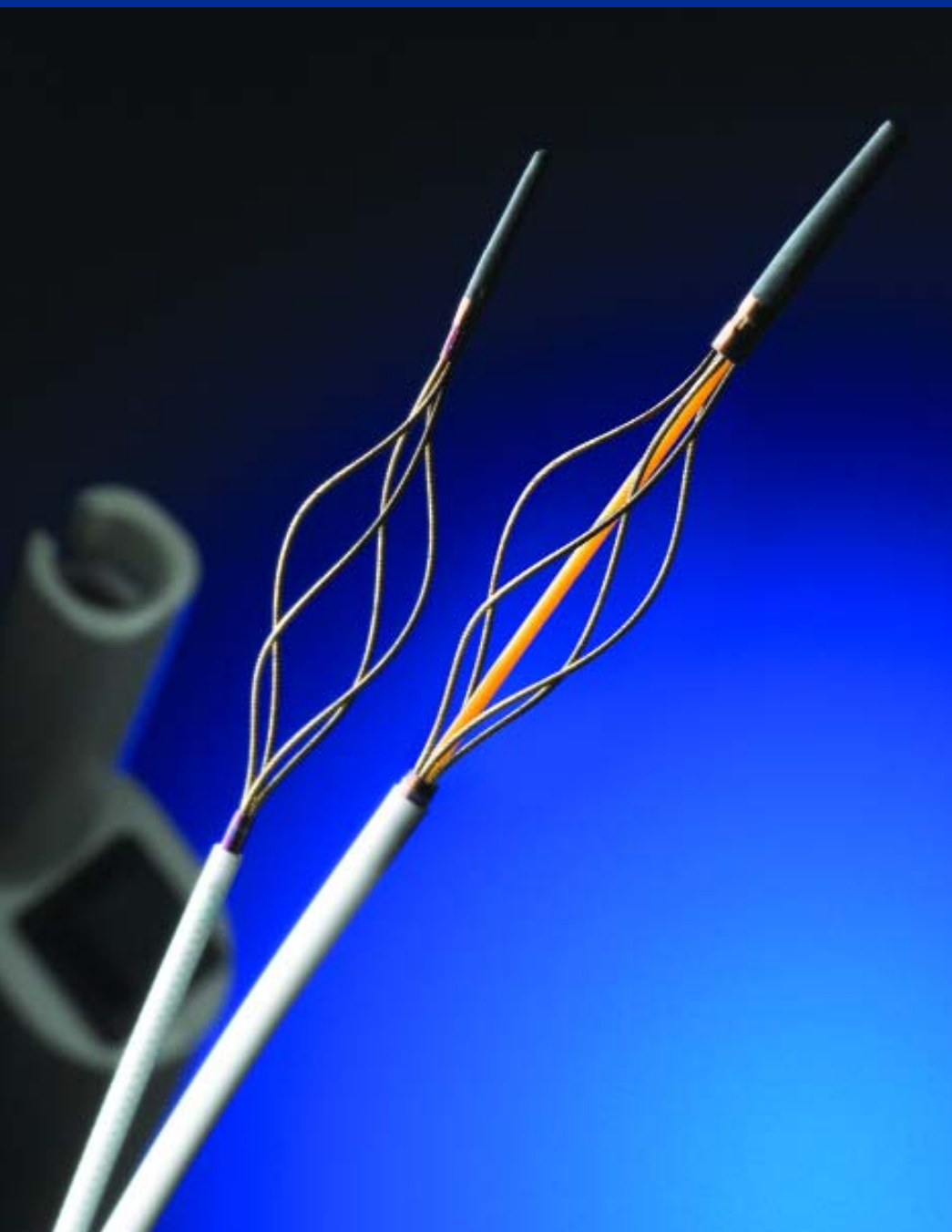


# ARROW<sup>®</sup>

CRITICAL CARE

Arrow-Trerotola PTD<sup>®</sup>

**Percutaneous  
Thrombolytic Devices**



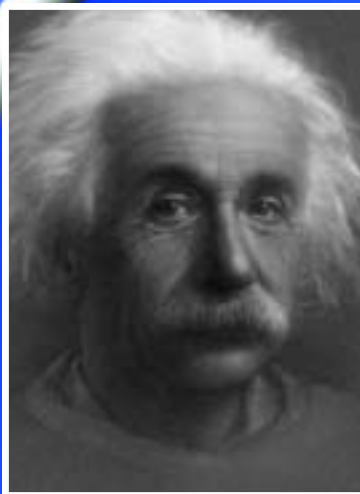
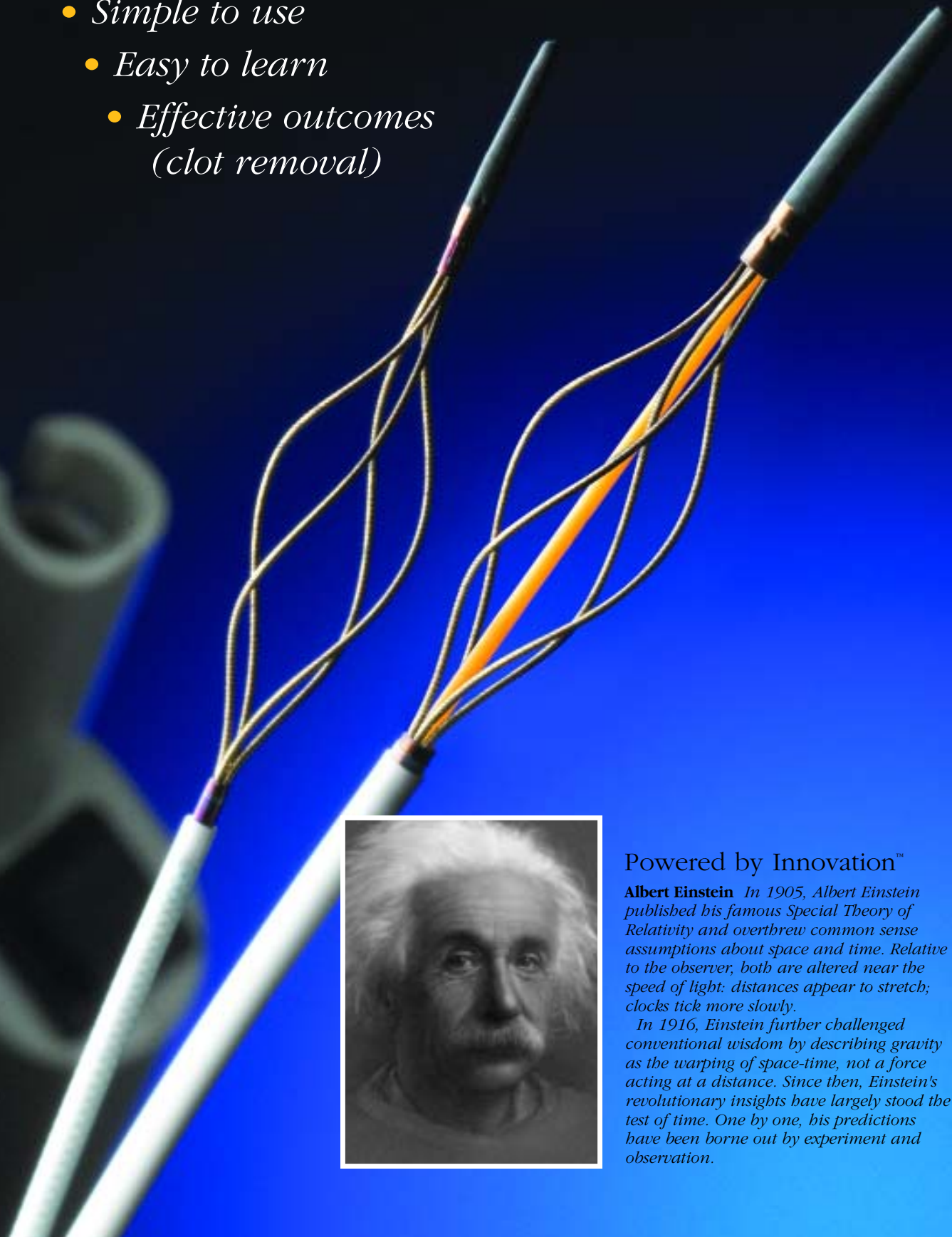
**Powered by innovation™**

Arrow salutes Albert Einstein—  
a timeless example of how the  
power of innovation can change  
our accepted ways of thinking.

# The Arrow-Trerotola PTD<sup>®</sup>

## *Percutaneous **T**hrombolytic **D**evice*

- *Simple to use*
- *Easy to learn*
- *Effective outcomes  
(clot removal)*



### Powered by Innovation<sup>™</sup>

**Albert Einstein** In 1905, Albert Einstein published his famous Special Theory of Relativity and overthrew common sense assumptions about space and time. Relative to the observer, both are altered near the speed of light: distances appear to stretch; clocks tick more slowly.

In 1916, Einstein further challenged conventional wisdom by describing gravity as the warping of space-time, not a force acting at a distance. Since then, Einstein's revolutionary insights have largely stood the test of time. One by one, his predictions have been borne out by experiment and observation.

# Simple, Easy, Effective

*Declot dialysis access AV grafts and AV Fistulae without surgery or thrombolytics.*

## **Quick to assemble.**

- Assemble Rotator and Catheter.
- Insert through introducer.

## **Intuitive procedure.**

- Catheter lumen sidearm permits catheter flushing during preparation and use.
- Soft, flexible tip maneuvers easily through AV graft.
- 9mm self-expanding fragmentation basket conforms to graft walls, facilitating removal of residual thrombus.
- Activated spinning basket macerates the thrombus.
- Simple thrombus removal through introducer sheath large bore sidearm assembly.

## **No capital investment.**

- Includes mechanical thrombectomy catheter.
- Hand-held disposable rotator drive unit maintains spinning at 3000 RPM.
- Includes introducer sheath.



*PTD<sup>®</sup> device in use in a forearm-loop graft.*



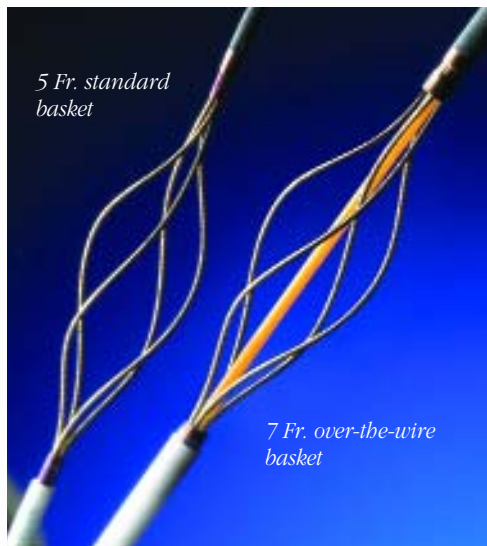
*Post-PTD<sup>®</sup> fistulogram showing patent 2-year-old graft.*



*The Arrow-Trerotola PTD<sup>®</sup> (5 Fr.) and Arrow-Trerotola Over-The-Wire PTD<sup>®</sup> (7 Fr.) products.*

# Innovative Design

*Unique variable diameter basket conforms to graft walls.*



*The unique Arrow-Trerotola PTD 9mm fragmentation baskets are designed to remove residual thrombus from dialysis AV grafts or AV fistulae walls.*

## **Arrow High Flow Introducer Sheath with Radiopaque Tip Marker.**

- Now available in 6 Fr. and 7 Fr.
- Radius tip promotes smooth sheath/dilator transition for ease of insertion.
- SnapLock™ dilator promotes dilator/introducer securement during insertion.
- Radiopaque tip marker facilitates appropriate placement for ancillary devices.
- A clear large-bore sidearm and high flow stopcock provides optimal thrombus withdrawal.
- The blue obturator cap accessory creates an occlusion when placed over the introducer hub hemostasis valve.



*High Flow Sheath Introducers with Radiopaque Tip Marker.*

# Approved for Dialysis AV Fistulae

*Expanded applications for expanding needs.*

## Now approved for use in both Dialysis AV fistulae and synthetic grafts.

- The Arrow Trerotola PTD® can be used to treat the broadest spectrum of dialysis patients.
- Fast, easy removal of thrombus from both dialysis native AV Fistulae and synthetic graft walls.
- 7 Fr. over-the-wire PTD® is recommended for AV fistulae.

## Arrow-Trerotola PTD® OTW Combination Products. Designed to ease insertions.

- Easier transition through tight radii and (excessive) thrombus formation within graft by navigating over a guidewire.
- 7 Fr. diameter outer sheath with inner torque cable and 65cm and 120cm lengths.
- Increased power hand-held disposable rotator drive unit maintains spinning at 3000 RPM.
- Tuohy-Borst cap with Luer-Lock closes lumen opening when guidewire is removed.



*Pre-thrombectomy assessment of dialysis fistula.*



*Thrombectomy with use of the Over-The-Wire PTD via access sheath.*



*Post-PTD fistulogram showing patent fistula.*

*Courtesy of Miloslav Roček, MD, PhD Institute for Clinical & Interventional Radiology (IKEM) Dept. of Diagnostic & Interventional Radiology Videnska 800, 14000 Prague 4 Czech Republic*

**Two options for removing arterial plugs:** Arrow-Trerotola PTD® and the Arrow Over-The Wire Arterial Embolectomy Catheter. For more information about Arrow hemodialysis products, including these PTD® options, call your Arrow representative or contact us directly.

## Arrow-Trerotola PTD® and Arrow-Trerotola Over-The-Wire PTD® (Percutaneous Thrombolytic Devices)

### 5 French Arrow-Trerotola PTD® Products

Product No.	Catheter Length (cm)	Fragmentation Basket (mm)	Sheath Included (Fr)	Rotator Drive Unit	Packaged
<b>PT-03000-R</b>	-	-	-	3000 RPM	1/case
<b>PT-65509*</b>	65	9	-	-	1/case
<b>PT-45509**</b>	65	9	(2) 6	-	1/case
<b>PT-65509-HFC</b>	65	9	(2) 6 HF	3000 RPM	1/case

### 7 French Arrow-Trerotola Over-The-Wire PTD® Products

Product No.	Catheter Length (cm)	Fragmentation Basket (mm)	Max. Guidewire Compatibility (in.)	Sheath Included (Fr)	Rotator Drive Unit	Packaged
<b>PT-03009-RW</b>					3000 RPM	1/case
<b>PT-65709-W ***</b>	65	9	0.025	-	-	1/case
<b>PT-65709-WC</b>	65	9	0.025	(2) 7	3000 RPM	1/case
<b>PT-65709-HFWC</b>	65	9	0.025	(2) 7 HF	3000 RPM	1/case
<b>PT-12709-WC</b>	120	9	0.025	(2) 7 HF	3000 RPM	1/case

### PTD® Accessory Components

Introducer Sheaths								
Product No.	Sheath Size (Fr)	Sheath Length (in)	Vessel Dilator Length (in)	Max Guidewire Compatibility (in)	Radiopaque Tip Marker	Large Bore Sidearm	Color Coded Hub	Packaged
<b>CL-08505</b>	5	2	5	0.038	-	-	Gray	10/case
<b>CL-08605</b>	6	2	5	0.038	-	-	Green	10/case
<b>CL-08605-HF</b>	6	2	5	0.038	X	X	Green	5/case
<b>CL-08705-HF</b>	7	2	5	0.038	X	X	Orange	5/case

Each product includes: One: Radiopaque Polyurethane Sheath with Integral Side Port/Hemostasis Valve  
One: Vessel Dilator with SnapLock™ feature

\* When ordering this component, the PT-03000-R and CL-08605-HF must also be ordered.

\*\* When ordering this component, the PT-03000-R must also be ordered.

\*\*\* When ordering this component, the PT-03009-RW and CL-08705-HF must also be ordered.

Caution: U.S. Federal Law limits this device to sale by or on order of a physician. Contents of unopened, undamaged package are sterile. Disposable. Refer to package insert for current warnings, indications, contraindications, precautions, and instructions for use.

U.S. Patent No. 5,766,191

1 Rocca M, et. al. Mechanical Thrombolysis of Thrombosed Hemodialysis Native Fistulas with Use of the Arrow-Trerotola Percutaneous Thrombolytic Device: Our Preliminary Experience. JVIR 2000; 11:1153-1158.

2 Lazzaro CR, Trerotola SO, Shah H, Namyslowski J, Moresco K, Patel N. Modified use of the Arrow-Trerotola Percutaneous Thrombolytic Device for treatment of thrombosed hemodialysis access grafts. JVIR 1999; 10:1025-1031.

For information regarding distribution in your area, contact: Arrow International, Inc., 2400 Bernville Road, Reading, PA 19605, U.S.A.

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