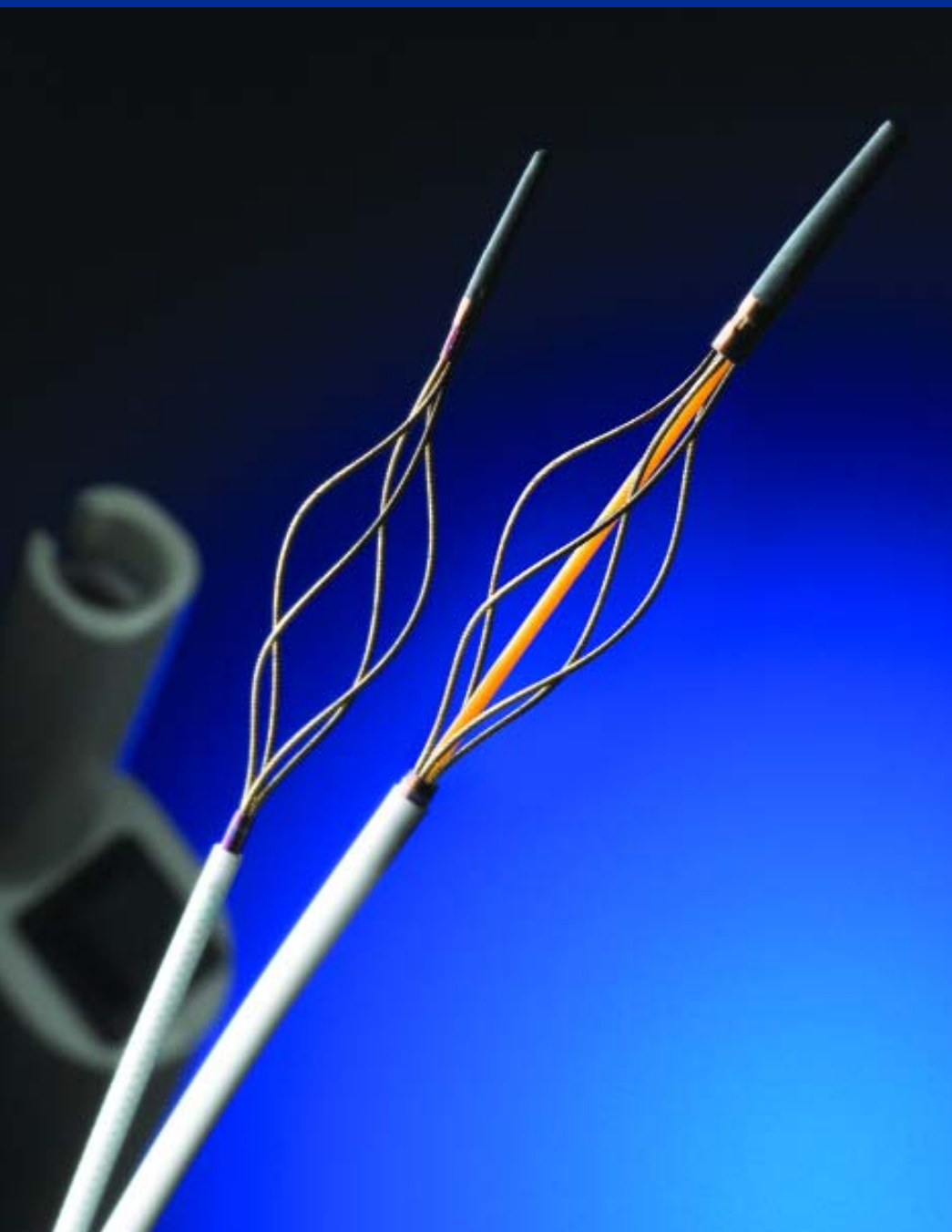


ARROW[®]

CRITICAL CARE

Arrow-Trerotola PTD[®]

**Percutaneous
Thrombolytic Devices**



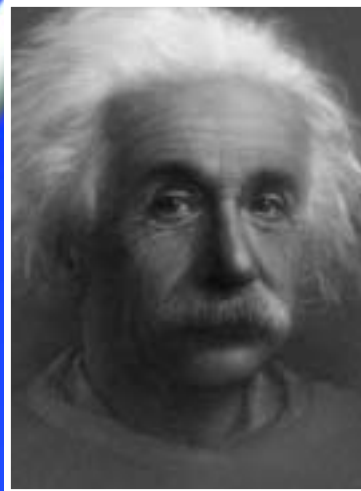
Powered by innovation™

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

The Arrow-Trerotola PTD[®]

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

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



Powered by Innovation[™]

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[®] device in use in a forearm-loop graft.



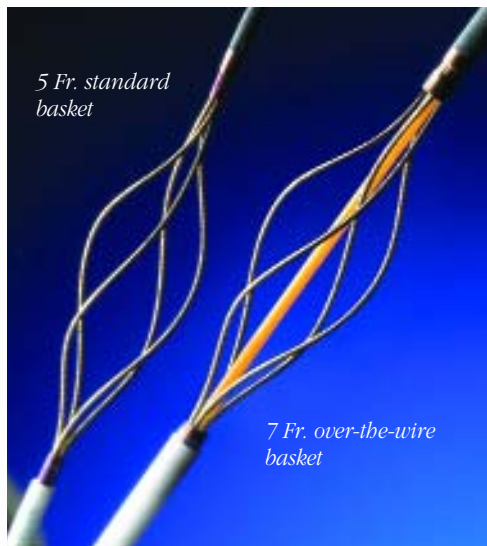
Post-PTD[®] fistulogram showing patent 2-year-old graft.



*The Arrow-Trerotola PTD[®] (5 Fr.)
and Arrow-Trerotola Over-The-Wire
PTD[®] (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
PT-03000-R	-	-	-	3000 RPM	1/case
PT-65509*	65	9	-	-	1/case
PT-45509**	65	9	(2) 6	-	1/case
PT-65509-HFC	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
PT-03009-RW					3000 RPM	1/case
PT-65709-W ***	65	9	0.025	-	-	1/case
PT-65709-WC	65	9	0.025	(2) 7	3000 RPM	1/case
PT-65709-HFWC	65	9	0.025	(2) 7 HF	3000 RPM	1/case
PT-12709-WC	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
CL-08505	5	2	5	0.038	-	-	Gray	10/case
CL-08605	6	2	5	0.038	-	-	Green	10/case
CL-08605-HF	6	2	5	0.038	X	X	Green	5/case
CL-08705-HF	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 Rocce 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.

Ordering Information (USA)
610.378.0131 or 800.523.8446
FAX 800.343.2935 or 508.660.1819

Ordering Information (International)
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