



The Chameleon™ Technique

New Approaches to Access Maintenance

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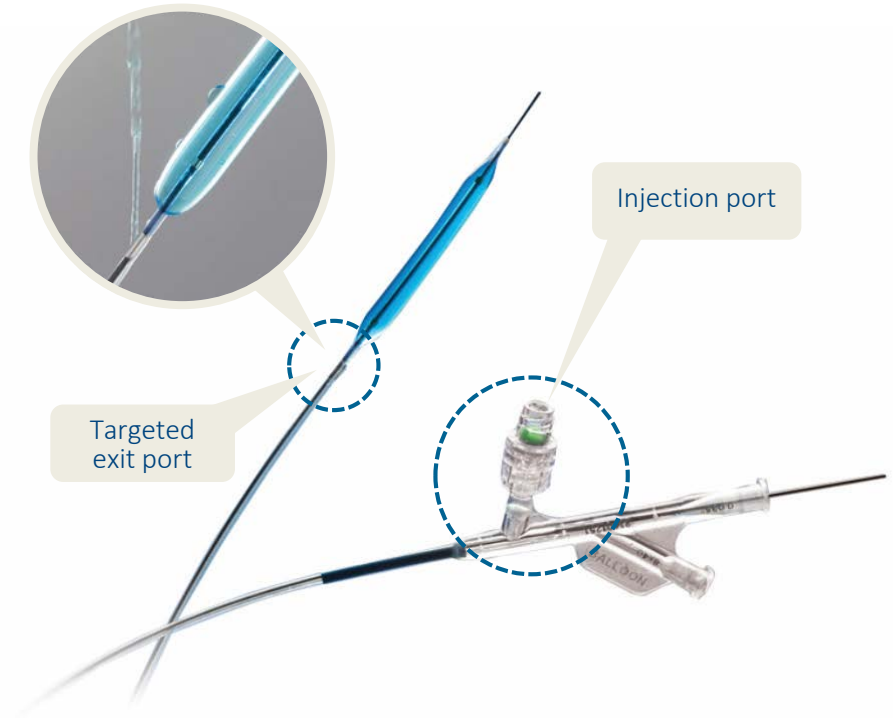
North Carolina Nephrology P.A- Raleigh, NC

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Disclosures- Consultant to AV Medical Technologies
Speaker bureau for Bard

Multitasking through the balloon

Chameleon™ allows physicians to inject **diagnostic or therapeutic fluids** through the catheter at any time during the procedure, whether the balloon is inflated or deflated, all while maintaining wire position.



Indications for Use

“The Chameleon PTA Balloon Catheter is indicated for use in Percutaneous Transluminal Angioplasty of the peripheral vasculature, including the femoral, iliac, and renal arteries and for the treatment of obstructive lesions of native or synthetic arteriovenous dialysis fistulae. **The Chameleon enables the infusion of diagnostic or therapeutic fluids.** This catheter is not for use in coronary arteries or cerebral vasculature”.

Size Matrix

High Pressure Balloon design to dilate the toughest lesions and traverse tortuous anatomies
Chameleon™ balloon performs very well in all aspects of access interventions

Diameter (mm)	Balloon Length (mm)	Catheter Length (cm)	Sheath Size (F)	Nominal Pressure (Atm)	Rated Burst Pressure (Atm)	Guide Wire (IN.)
5	40	75	6	14	25	0.035
6	40	75	6	14	25	0.035
7	40	75	6	14	22	0.035
8	40	75	6	14	22	0.035
10	40	75	7	12	14	0.035
12	40	75	8	12	14	0.035

Clinical observations with Chameleon™

- **Safety**
- **Outcomes**
- **Time**
- **Simplification**



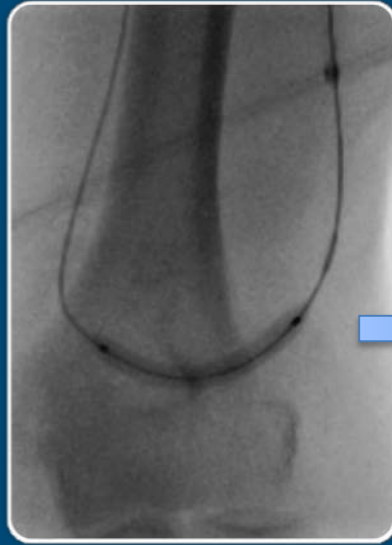
Retrograde Approach:

Juxta-anastomotic Fistula Stenosis

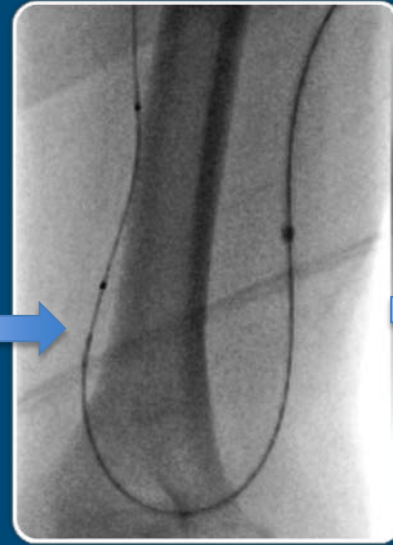
Case 1- Transforming retrograde procedures



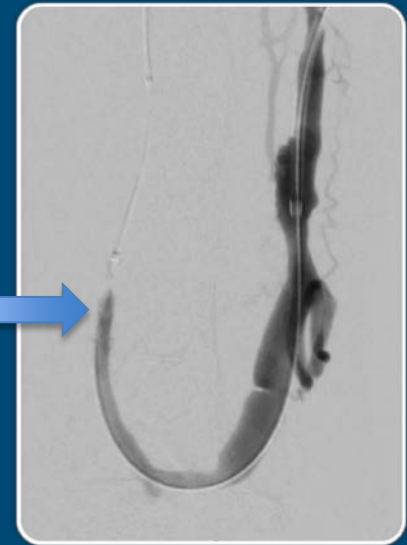
Juxta stenosis



Balloon inflation



Post-inflation, deflate and advance
balloon over the wire beyond
anastomosis

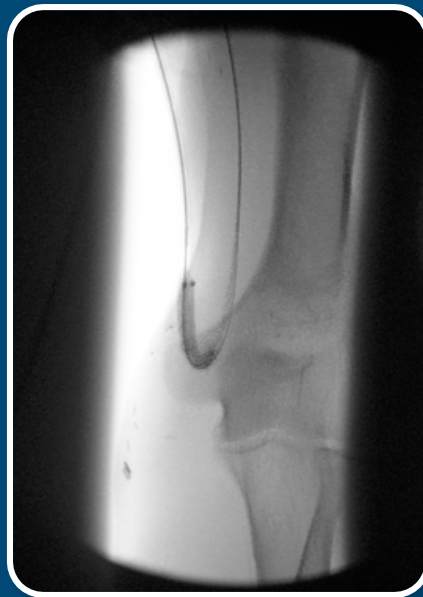


Maintaining wire position and
injecting contrast to visualize
post treatment

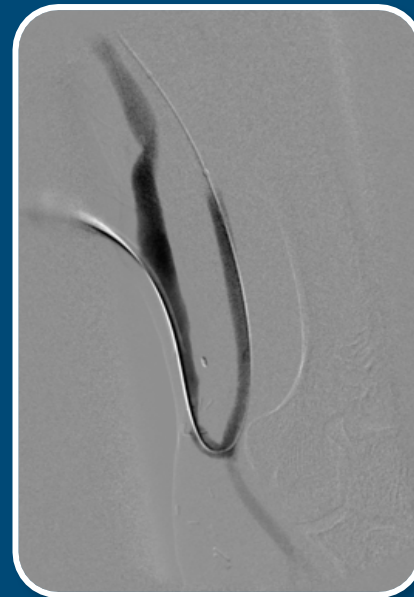
Case 2- Eliminating multiple exchanges



juxta-anastomotic
narrowing



6x40 Chameleon™ Balloon
Inflation



Imaging through 6x40
Chameleon™

The Chameleon™ advantage in Retrograde Approach



**Allows injection of
contrast & therapeutic
fluids**



**Significant
time savings**

Eliminates all post-
angioplasty exchanges



**Reduced
fluoro time & dose**
to the operator, staff and
patient

Chameleon declot technique

Customized visualization during declotting



Brachial-basilic
Loop graft

Customized visualization during declotting



The Chameleon™ declot technique

Most declot cases are performed **“in the dark”** due to poor, if any, blood flow
Chameleon™ allows the operator to receive “real time” feedback

The Chameleon™ advantage in declot procedures



**Precise injection
of contrast and lytics
to the site**



**Maintaining wire
access**



**Eliminating the need
for device exchanges**



Access in both directions enables repeated angioplasty and imaging whenever needed

Chameleon™ Sheathless technique

The Chameleon™ Sheathless technique

Sheathless PTA

- Injection port provides option to go sheathless while maintaining ability to image
- Reduces procedure steps
- Reduces puncture size – especially with larger balloons



The Chameleon™ Sheathless technique

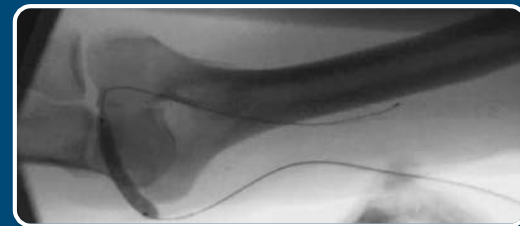
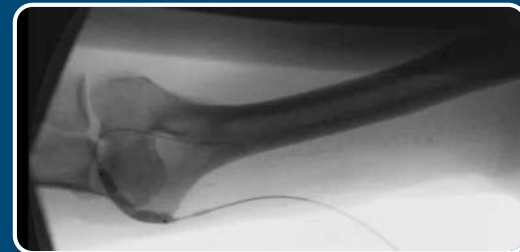
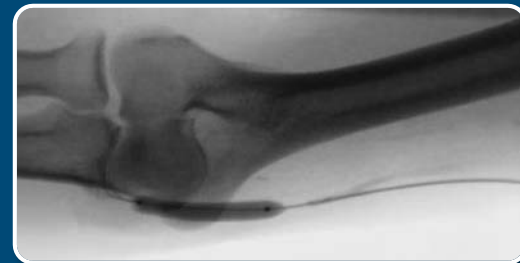
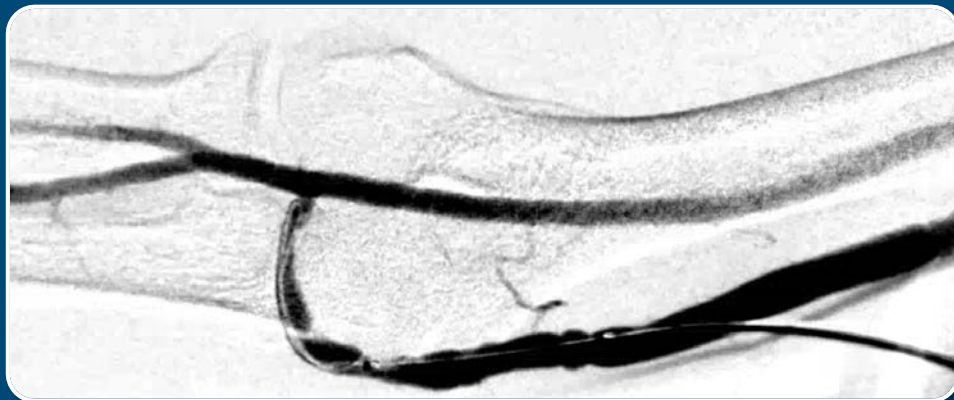


Retrograde access



**Chameleon™
sheathless**

The Chameleon™ Sheathless technique



6mm Chameleon™ PTA

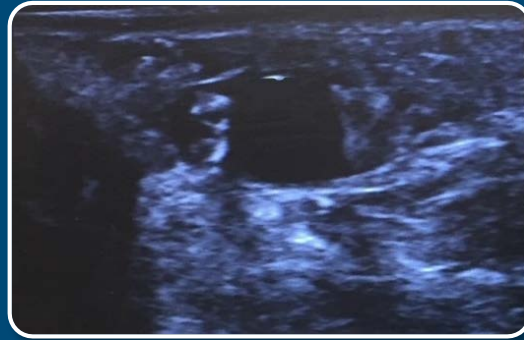
The Chameleon™ Sheathless technique

Post-PTA

Contrast injection
through side port
of Chameleon™



The Chameleon™ Sheathless technique



No access site hematoma

HD Catheter Exchange w/ PTA of Fibrin Sheath

Ideal for visualization in fibrin sheath disruption



Fibrin sheath evident through existing HD catheter

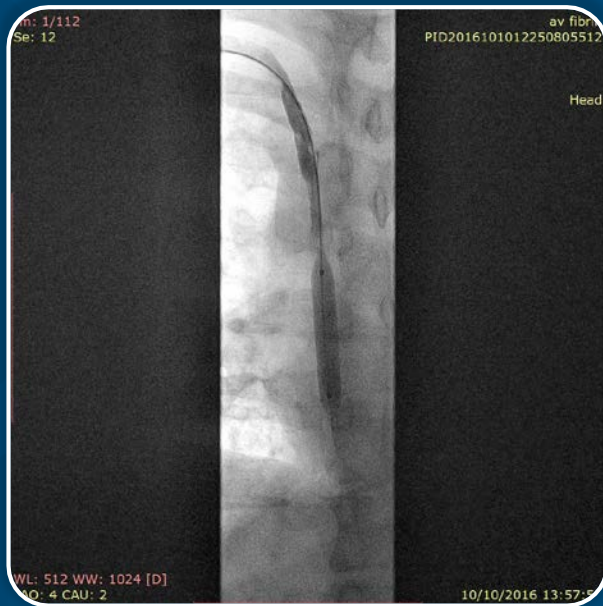
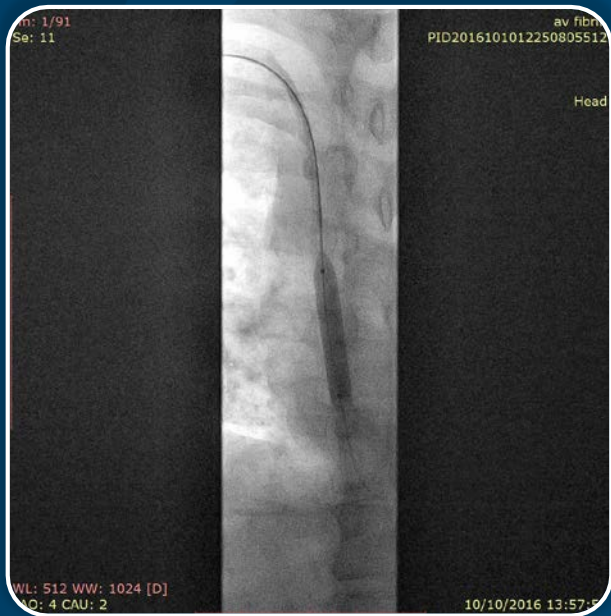


Post PTA image through side port of Chameleon™

Simultaneous angioplasty & imaging in fibrin sheath disruption

Dr. Michael Tal, Assuta Medical
Center, Tel-Aviv, Israel

CHAMELEON™ 8x40mm



The Chameleon™ fibrin sheath technique

**Post inflation, confirm status of fibrin sheath by injecting
through side port of Chameleon™**

The Chameleon™ advantage in fibrin sheath procedures



Visualize during and
after angioplasty



Simple injection through
the catheter, sheathless



Unprecedented verification
of procedure status

Stand out from the crowd



Chameleon™



Standard Balloon Catheters

