



Interventional Systems

ABOUT

Blueneem is a leader in the design, development and end-to-end manufacturing of minimally invasive medical devices for interventional procedures across 10+ clinical specialties, including Urology, Interventional Radiology, and Critical Care. Headquartered in Bengaluru, our products are trusted by clinicians worldwide.

Patient well-being is at the heart of every decision we make, and our endeavour is to help clinicians make surgeries more efficient and treatments less traumatic.

- ISO 13485 Certified Organization & CE Certified* Products
- Our Products are Manufactured in Best-in-class Infrastructure by Best-in-class People
- Paperless Manufacturing - 100% Digital Traceability
- World-class Clean Rooms - Class 7 and Class 8
- Bio Compatibility Tested and Certified Raw Materials
- Sterilization Validation and Confirmation Process

* Please check for product ranges

CE 0123



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enquiry@blueneem.com

DRAINAGE

- Pigtail Drainage Sets and Catheter
- Malecot Drainage Sets and Catheter
- PTBD Drainage Sets and Catheter
- Centesis Drainage Set & Single Step® Centesis Drainage Set
- Large Bore Sets and Catheter

BIOPSY

- Biopsy Gun : Semi Automatic
- Biopsy Gun : Fully Automatic

ACCESS

• Needles

- Coaxial Needle
- Chiba Needle
- Initial Puncture Needle

• Dilators

- Long Taper Fascial Dilators
- Fascial Dilators
- FPTA Balloon Dilator

• Sheaths

- Peel Away Introducer Sheath
- Trocar Needle With Sheath

• Introducer Kit

- Percutaneous Access Set

• Wires

- Hydrophilic Guidewire
- PTFE Coated Nitinol Guidewire with Hydrophilic Tip
- PTFE Guidewire
- Cope Mandril Guidewire
- Introducer Guidewire

• Central Access

- Central Venous Catheter
- Hemodialysis Catheter

PRODUCT LIST

DRAINAGE PRODUCTS

Catheters (6-9)

- Denssicath[®] Multi-purpose Drainage Catheter
- Denssicath[®] Multi-purpose Drainage Catheter - Pigtail With Locking Mechanism
- Denssicath[®] Multi-purpose Drainage Catheter - Pigtail With Needle
- Denssicath[®] Multi-purpose Drainage Catheter - Malecot
- Denssicath[®] Multi-purpose Drainage Catheter - Malecot With Needle
- Denssiflo[®] PTBD Catheter - With Position Marker
- Denssiflo[®] PTBD Catheter (Ring Biliary) - With Position Marker
- PerforX[®] Large Bore Catheter

Drainage Sets (10-13)

- Denssicath[®] Multi-purpose Drainage Catheter Set - Pigtail
- Denssicath[®] Multi-purpose Drainage Catheter Set - Pigtail With Locking Mechanism
- Denssicath[®] Multi-purpose Drainage Catheter Set - Malecot
- Denssiflo[®] PTBD Catheter Set (Standard)
- Denssiflo[®] PTBD Catheter Set (Micro Puncture)
- PerforX[®] Large Bore Catheter Set
- Denssima[®] Centesis Drainage Set
- Denssima[®] Single Step[®] Centesis Drainage Set

BIOPSY PRODUCTS (14)

- Primacore[™] - Biopsy Gun - Semi Automatic
- Opticore - Biopsy Gun - Fully Automatic

ACCESS PRODUCTS

Needles (15-17)

- Opticore - Coaxial Needle
- Chiba Needle
- Initial Puncture Needle - Two Part
- Sure Puncture Needle
- MiraLoc[™] - Wire Localizer

Central Access (18-19)

- Dextra[®] Crux Central Venous Catheter
- Rensa[®] HD Hemodialysis Catheter

PRODUCT LIST

Guidewires (19-22)

- PTFE Guidewire
- Amplatz Extra Stiff Guidewire
- Amplatz Ultra Stiff[®] Guidewire
- Tracer[®] Guidewire (Hydrophilic Guidewire)
- Prime Wire[®] (PTFE Coated Nitinol Guidewire with Hydrophilic Tip)
- Cope Mandril Guidewire
- Introducer Guidewire

Introducer Kit (23)

- Accura Kit - Percutaneous Access Set
- Accura Micro Kit - Percutaneous Access Set

Access Sheaths (24)

- Trocar Needle with Sheath
- Peel Away Introducers With Dilators (Peel Away Introducer Sheaths)

Dilator (24-26)

- Single Step Fascial Dilator (Long Taper Fascial Dilator)
- Fascial Dilator Set
- PTA Balloon Dilator

DIAGNOSTIC PRODUCT (26)

- Bilbao Dotter

ACCESSORY (27)

- Inflation Device

Denssiccath®

Multipurpose Drainage Catheter

Intended Use:

Used for percutaneous drainage in a variety of drainage applications (Eg.: Nephrostomy, Biliary and Abscess) by Seldinger access technique.



Types
Straight & Pigtail

Size (in Fr)
6, 7, 8, 9, 10, 12, 14 & 16

Length (in cm)
22, 25, 30 & 35

Package Includes:

Drainage catheter with hydrophilic coating, metal & plastic straightener and drainage bag connector

Key Features and Benefits:

- Large eye holes for better drainage
- Hydrophilic coating for easy insertion
- A straight catheter aids in external biliary drainage for bile duct obstructions
- The pigtail tip configuration helps in retention of the catheter

Denssiccath®

Multipurpose Drainage Catheter With Locking Mechanism

Intended Use:

Used for percutaneous drainage in a variety of drainage applications (Eg.: Nephrostomy, Biliary and Abscess) by Seldinger access technique.



Size (in Fr)
7, 8, 9, 10, 12, 14 & 16

Length (in cm)
22, 25, 30 & 35

Set Includes:

Pigtail drainage catheter with locking mechanism & hydrophilic coating, metal & plastic straightener and drainage bag connector

Key Features and Benefits:

- The pigtail tip configuration helps in retention of the catheter
- The locking mechanism prevents accidental slippage of the catheter
- Large eye holes for better drainage
- Hydrophilic coating for easy insertion

Note: Once the catheter is deployed, pull the string, wind and lock to the hub of the catheter



Multipurpose Drainage Catheter Pigtail With Needle

Intended Use:

Used for percutaneous drainage in a variety of drainage applications (Eg.: Nephrostomy, Biliary and Abscess) by Direct stick technique.



Size (in Fr)
7, 8, 9, 10, 12, 14 & 16

Length (in cm)
22, 25, 30 & 35

Package Includes:

Pigtail drainage catheter with hydrophilic coating, metal & plastic straightener, metal trocar and drainage bag connector

Key Features and Benefits:

- The pigtail tip configuration helps in retention of the catheter
- Large eye holes for better drainage
- Hydrophilic coating for easy insertion
- Trocar design and catheter design prevents bucking of catheter during the procedure
- Available with or without locking mechanism



Multipurpose Drainage Catheter Malecot

Intended Use:

Used for percutaneous drainage in a variety of drainage applications (Eg.: Nephrostomy, Biliary and Abscess) by Seldinger access technique.



Size (in Fr)
8, 10, 12, 14, 16, 18 & 20

Length (in cm)
22, 25, 30 & 35

Set Includes:

Malecot drainage catheter with hydrophilic coating, metal & plastic straightener and drainage bag connector

Key Features and Benefits:

- The Malecot flower design is ideally suitable for the drainage of thick viscous fluids
- Integral flower design matches with the catheter size when closed and cause less trauma during insertion
- Hydrophilic coating for easy insertion



Multipurpose Drainage Catheter Malecot With Needle

Intended Use:

Used for percutaneous drainage in a variety of drainage applications (Eg.: Nephrostomy, Biliary and Abscess) by Direct stick technique.



Size (in Fr)	Length (in cm)
8, 10, 12, 14, 16, 18 & 20	20, 25, 30 & 35

Package Includes:

Malecot drainage catheter with hydrophilic coating, metal & plastic straightener, metal trocar and drainage bag connector

Key Features and Benefits:

- Integral flower design matches with the catheter size when closed and cause less trauma during insertion
- Trocar design and catheter design prevents buckling of catheter during the procedure
- The malecot flower design is ideally suitable for the drainage of thick viscous fluids
- Hydrophilic coating for easy insertion



PTBD Catheter With Position Marker

Intended Use:

Used for percutaneous transhepatic, internal-external biliary drainage, up to the duodenum



Type	Size (in Fr)	Length (in cm)
Pigtail	6, 8, 8.5, 10, 12, 14 & 16	30, 35, 40, 45 & 50

Set Includes:

PTBD catheter pigtail with marker, hydrophilic coating, plastic straightener and drainage bag connector

Key Features and Benefits:

- The pigtail tip configuration helps in retention of the catheter
- Large eye holes for better drainage
- Hydrophilic coating for easy insertion
- Available with 16 or 32 holes
- Position marker present near to last distal hole helps in correct placement of the catheter

Densiflo[®]

PTBD Catheter

Ring Biliary, With Position Marker

Intended Use:

Used for percutaneous transhepatic, internal-external biliary drainage, up to the duodenum



Type
Ring Biliary

Size (in Fr)
8, 8.5, 10, 12, 14 & 16

Length (in cm)
35, 40, 45 & 50

Set Includes:

PTBD catheter with marker, hydrophilic coating, plastic straightener and drainage bag connector

Key Features and Benefits:

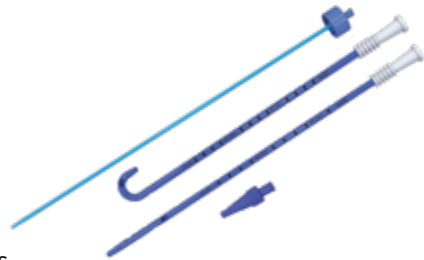
- The pigtail tip configuration helps in retention of the catheter
- Large eye holes for better drainage
- Hydrophilic coating for easy insertion
- Available with 24 holes
- Position marker present near to last distal hole helps in correct placement of the catheter

PerforX[®]

Large Bore Catheter

Intended Use:

PerforX[®] facilitates drainage of thick fluids using imaging-guided Seldinger access technique in a variety of drainage applications (abscesses, biliary, thoracic drainage and more)



Type
Straight & J Tip

Size (in Fr)
20, 22, 24, 26, 28 & 30

Length (in cm)
30

Package Includes:

Large bore catheter, Straightener and Catheter adapter

Key Features and Benefits:

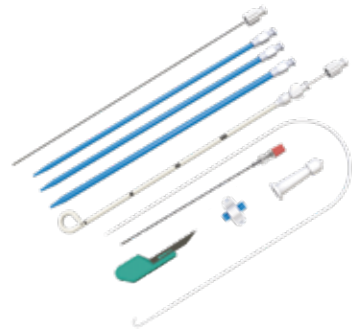
- Flexible catheter tubing with hydrophilic coating minimizes trauma during insertion
- Multiple, large, spirally positioned, oval holes increase the drainage capability
- The radiopacity of the catheter guarantees radiographic confirmation of catheter positioning
- Length markings on catheter and dilators assist in ascertaining depth of placement



Multipurpose Drainage Catheter Set - Pigtail

Intended Use:

Used for percutaneous pigtail catheter placement in the liver for biliary drainage, as well as in the abdominal or thoracic cavity to drain clear or infected fluids (abscesses)



Size (in Fr)
6, 7, 8, 9, 10, 12, 14 & 16

Length (in cm)
22, 25, 30 & 35

Set Includes:

#11 Scalpel blade, Chiba needle 18G, Amplatz Ultra Stiff[®] guidewire, Fascial dilators Pigtail catheter with Hydrophilic coating, Metal & plastic straightener, Catheter fixing disc and Drainage bag connector

Benefit:

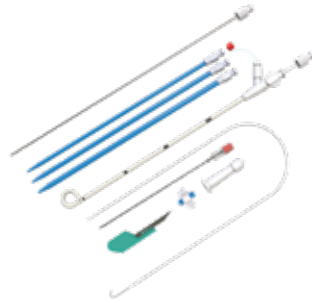
Kit provides entire devices for the performing Seldinger type percutaneous access procedure



Multipurpose Drainage Catheter Set - Pigtail With Locking Mechanism

Intended Use:

Used for percutaneous pigtail catheter placement in the liver for biliary drainage, as well as in the abdominal or thoracic cavity to drain clear or infected fluids (abscesses)



Size (in Fr)
7, 8, 9, 10, 12, 14 & 16

Length (in cm)
22, 25, 30 & 35

Set Includes:

#11 Scalpel blade, Chiba needle 18G, Amplatz Ultra Stiff[®] guidewire, Fascial dilators Pigtail catheter with locking mechanism & hydrophilic coating, Metal & plastic straightener, Catheter fixing disc and Drainage bag connector

Key Features and Benefits:

- Kit provides entire devices for performing Seldinger type percutaneous access procedure
- The locking mechanism prevents accidental slippage of the catheter

Note: Once the catheter is deployed, pull the string, wind and lock to the hub of the catheter



Multipurpose Drainage Catheter Set - Malecot

Intended Use:

Used for percutaneous malecot catheter placement in the liver for biliary drainage, as well as in the abdominal or thoracic cavity to drain clear or infected fluids (abscesses)



Size (in Fr)
8, 10, 12, 14, 16, 18 & 20

Length (in cm)
22, 25, 30 & 35

Set Includes:

#11 Scalpel blade, Chiba needle 18G, Amplatz Ultra Stiff® guidewire, Fascial dilators Malecot catheter with Hydrophilic coating, Metal & plastic straightener, Catheter fixing disc and Drainage bag connector

Benefit:

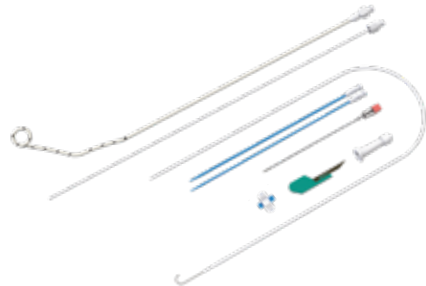
Kit provides entire devices for the performing Seldinger type percutaneous access procedure



PTBD Catheter Set - Standard

Intended Use:

Used for percutaneous transhepatic, internal-external biliary drainage, up to the duodenum



Size (in Fr)
6, 8, 8.5, 10, 12, 14 & 16

Length (in cm)
30, 35, 40, 45 & 50

Set Includes:

#11 Scalpel blade, Chiba needle 18G, Amplatz Ultra Stiff® guidewire, Fascial dilators PTBD catheter with position marker & Hydrophilic coating, Plastic straightener, Catheter fixing disc and Drainage bag connector

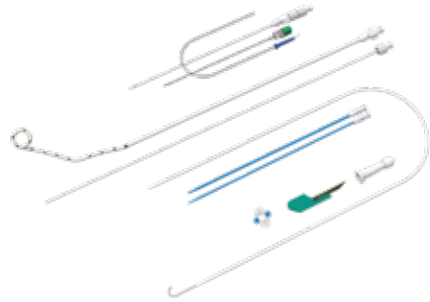
Benefit:

Kit provides entire devices for performing PTBD procedure

Denssiflo® PTBD Catheter Set - Micro Puncture

Intended Use:

Used for percutaneous transhepatic, internal-external biliary drainage, up to the duodenum



Size (in Fr)
6, 8, 8.5, 10, 12, 14 & 16

Length (in cm)
30, 35, 40, 45 & 50

Set Includes:

#11 Scalpel blade, Chiba needle 21G, 0.018 inch cope mandril wire, 6 Fr coaxial introducer sheath, Fascial dilators PTBD catheter with position marker & Hydrophilic coating, Plastic straightener, Catheter fixing disc and Drainage bag connector

Benefit:

Kit provides entire devices for performing the procedure with the minimal 21G puncture

PerforX® Large Bore Catheter Set

Intended Use:

PerforX® facilitates drainage of thick fluids using imaging-guided Seldinger access technique in a variety of drainage applications (abscesses, biliary, thoracic drainage and more)



Type
Straight & J Tip

Size (in Fr)
20, 22, 24, 26, 28 & 30

Length (in cm)
30

Set Includes:

Large bore catheter, Straightener, Catheter adapter, Chiba needle 18G Amplatz Ultra Stiff® guidewire, 3 sequential dilators, Occlusion dressing and #11 Scalpel blade

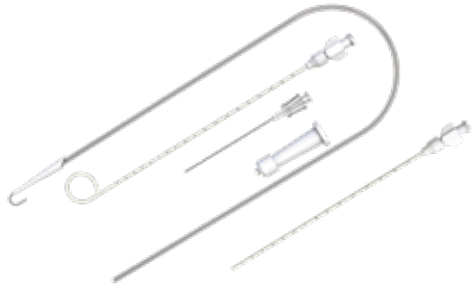
Key Features and Benefits:

- Flexible catheter tubing with hydrophilic coating minimizes trauma during insertion
- Multiple, large, spirally positioned, oval holes increase the drainage capability
- The radiopacity of the catheter guarantees radiographic confirmation of catheter positioning
- Length markings on catheter and dilators assist in ascertaining depth of placement

Denssima[®]

Centesis Drainage Catheter Set

Used for percutaneous transhepatic, internal-external biliary drainage, up to the duodenum



Types	Size (in Fr)	Length (in cm)
Straight & Pigtail	5 & 6	10 & 16

Set Includes:

Drainage tube with hydrophilic coating with side holes on the distal 4 cm, 18G x 7cm introducer needle, Introducer guidewire (0.038" x 50cm) and Drainage bag connector

Benefit:

Kit provides entire devices for performing Seldinger type percutaneous procedure

Denssima[®]

Centesis Drainage Catheter Set - Single Step

Used for percutaneous placement of a tube for drainage of ascites & pleural effusions by direct stick technique



Types	Size (in Fr)	Length (in cm)
Straight & Pigtail	5 & 6	10 & 16

Set Includes:

Drainage tube with hydrophilic coating, Puncture needle with stopper and Drainage bag connector

Benefit:

Kit provides entire devices for performing direct stick type percutaneous procedure



Intended Use:

Used for obtaining histological core samples from soft tissue and organs.



Size (in G)

14

16

18

20

Length (in cm)

10 & 16

10, 16 & 20

10, 16, 20 & 25

10, 16 & 20

Package includes

- Primacore[™] biopsy gun
- Compatible coaxial
- Trocar and blunt tip stylet
- Depth stopper
- 10 mm adapter

Key Features and Benefits:

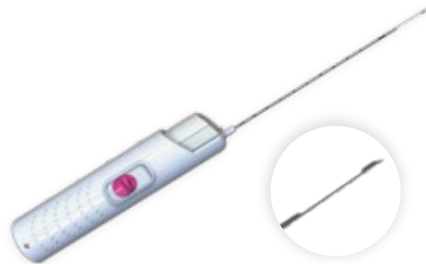
- Echogenic and atraumatic needle tip
- Ergonomic and light weight
- Cannula with depth marking
- Ergonomic handle with multiple grip options

Opticore

Biopsy Gun - Fully Automatic

Intended Use:

Used for obtaining histological core samples from soft tissue and organs



Size (in G)

14

16

18

20

Length (in cm)

10 & 16

10, 16 & 20

10, 16, 20 & 25

10, 16 & 20

Key Features and Benefits:

- Echogenic and atraumatic needle tip
- Ergonomic and light weight
- Cannula with depth marking
- Easy and single-handed operation, with two stage arming

Opticore

Co-axial Needle



Size (in G)	Length (in cm)
13	7.8 & 13.8
15	7.8, 13.8 & 17.8
17	7.8, 13.8, 17.8 & 22.8
19	7.8, 13.8 & 17.8

Package Includes

Sharp and blunt trocar tips needles

Intended Use:

Used for guiding the biopsy needle for obtaining the core biopsy samples from soft tissue and organs.

Key Features and Benefits:

Stepwise advancement: Allows controlled and precise movement during the procedure

Minimally invasive: Reduces trauma to tissue and promotes faster healing

Image guidance compatibility/echogenic tip: Enables easy visualization under imaging guidance, aiding accurate placement and targeting

Depth graduations: Clear markings enable accurate depth placement during insertion

Siliconized coating: Facilitates smoother insertion, reducing friction and improving patient comfort

Depth stopper: Prevents over-insertion and helps ensure accurate targeting

Sharp and blunt trocar tips needles (included in the package): Offers versatility for different tissue types and biopsy techniques.

Coaxial set design: Facilitates multiple sampling in biopsy procedure and allows precise targeting, stability and control.

Compatible Sizes for Bluneem Opticore Biopsy Gun:

Opticore Biopsy Size (Gauge x Length)	Compatible size of Co-axial Needle Sizes (Gauge x Length)	Opticore Biopsy Size (Gauge x Length)	Compatible size of Co-axial Needle Sizes (Gauge x Length)
14 x 10	13 x 7.8	18 x 10	17 x 7.8
14 x 16	13 x 13.8	18 x 16	17 x 13.8
16 x 10	15 x 7.8	18 x 20	18 x 17.8
16 x 16	15 x 13.8	18 x 25	17 x 22.8
16 x 20	15 x 17.8	20 x 10	19 x 7.8
		20 x 16	19 x 13.8
		20 x 20	19 x 17.8

Chiba Needle

Intended Use:

Used for fine aspiration in cytological studies



Type	Size (in G)	Length (in cm)
Chiba	18, 20, 21, 22 & 23	15, 20, 22 & 25

Key Features and Benefits:

- **Special echogenic tip:** Increased visibility under ultrasound guidance, ensuring accurate needle point localization
- **Chiba point:** Enables soft penetration, avoids the risk of vessel laceration and facilitates reaching deep points without excessive deviation

Initial Puncture Needle Two Part

Intended Use:

Used to make the initial percutaneous puncture to access the kidney and to enable the introduction of a guidewire during interventional procedures (PCN, PCNL, Mini PERC and Micro PERC).



Type	Size (in G)	Length (in cm)
Two Part	14, 16 & 18	10, 15, 20, 23 & 25

Key Features and Benefits:

- **Siliconized needle:** Less trauma during the initial puncture
- **Echogenic tip:** Better visualization during ultrasound improving accuracy and safety
- **1cm shaft marking:** Helps in easy initial puncture
- **Locking hub:** Helps in holding the inner needle with outer cannula together, which helps in easy initial puncture

Sure Puncture Needle (Initial Puncture Needle - Three Part)

Intended Use:

Intended to make the initial percutaneous puncture to create access and to enable the introduction of guidewire during percutaneous interventional procedures



Type	Size (in G)	Length (in cm)
Three Part	21/16	20

Key Features and Benefits:

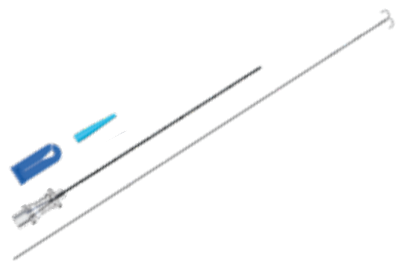
- Siliconized needle:** Reduces trauma for a smoother procedure
- Echogenic tip:** Enhances visibility under ultrasound for precise guidance
- 1 cm marking:** Ensure accurate depth measurement
- 21 G bevel tip + 16 G cannula needle:** Provides optimal puncture balance for secure access
- Inner 21 G needle:** Allows minimal site puncture and contrast injection
- Coaxial needle:** Ensures stable and secured access
- 21 G puncture for guidewire insertion:** Facilitates smooth guidewire introduction

MiraLocTM

Wire Localizer

Intended Use:

Designed for preoperative marking and localization of non-palpable breast lesions or other soft tissue abnormalities to guide surgical excision.



Size (in G)	Length (in cm)
19	12

Set Includes:
Introducer Needle, Wire introducer, Wire Localizer and Stopper

Key Features and Benefits:

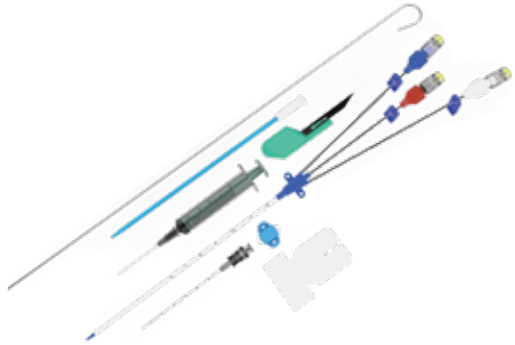
- Double hook design prevents dislodgement
- 3 marker beads towards distal-end for precise reference
- Marker bead towards proximal-end indicates insertion depth
- Provides accurate localization for surgical removal of tumours

Dextra[®]

Central Venous Catheters

Intended Use:

To provide central venous access for treatment of diseases or conditions requiring central venous access



Lumen
3 & 2

Size (in Fr)
7

Length (in cm)
13 & 16

Set Contains:

- Triple/Double Lumen Catheter with clamps 7 Fr
- Guidewire with J tip 0.035" / 0.025"x 60cm, with advancer
- Introducer Needle Straight/Y needle 18Gx7cm
- Scalpel Blade #11
- Tissue Dilator 8.5F x 10cm
- Syringe-Luer Lock/Slip 5ml
- 22G Needle 1.5"
- Additional site Catheter Fixing Disc & Cap
- Dust caps-3/2, non-vented
- Occlusion Dressing 5 x 5.7cm

Key features and benefits:

Desired length options: 13cm and 16cm catheter length options provide safety and convenience based on patient's morphology

Optimal shaft stiffness and catheter body: Ensures smooth, trouble-free insertion with high-calibre dilator

Stainless steel guidewire with nitinol core and soft J-tip: Delivers optimal torque, ease of insertion and prevents vessel perforation

Staggered exit ports: Minimize the risk of incompatible drug mixing and precipitate formation, enhancing patient safety

Coloured radiopaque tip: Aids in complete removal and enhances visibility during procedure, further promoting patient safety

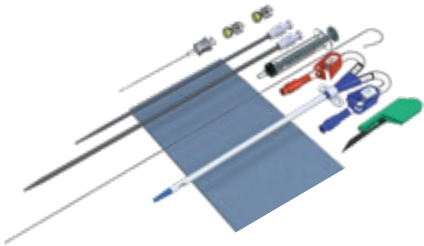
Non-detachable guidewire-pusher: Integrated with guidewire-holder assembly to improve the ergonomics for operators

Rensa[®] HD

Hemodialysis Catheter

Intended Use:

Rensa[®] HD is intended for short term central vascular access for hemodialysis.



Types	Size (in Fr)	Length (in cm)
Straight & Curved	11.5	13.5, 16 & 19.5

Set Contains:

Double lumen catheter - 11.5 Fr x 13.5/16/19.5
Fascial dilator - 12 Fr x 20 cm & 10 Fr x 15 cm, Guidewire J Tip : 0.038" x 60 cm
Introducer needle : 18G x 7 cm, Dust caps, Syringe 5 ml, Scalpel blade #11 and Sterile drape

Key features and benefits:

- Consistent flow rate
- Large floppy side holes to provide better flow
- Catheter with high tensile strength and greater resistance to kink
- Hydrophilic coating of the catheter that minimizes frictional force
- Flexible yet high density material that is distinctly visible on radiographic images
- Soft tip to minimize trauma to blood vessel and tissues, reducing risk of injury and complications

PTFE Guidewire

Intended Use:

Used to gain access to desired anatomical location and to assist in placement of medical devices during diagnostic or interventional procedures



Types	Size (in inch)	Length (in cm)
J Tip & Straight Tip	0.032 & 0.035	80 & 150

Key Features and Benefits:

- PTFE coating for smooth insertion
- Atraumatic floppy tip for less trauma
- Uniform outer diameter

Amplatz Extra Stiff Guidewire

Intended Use:

Used to gain access to desired anatomical location and to assist in placement of medical devices during diagnostic or interventional procedures



Types	Size (in inch)	Length (in cm)
J Tip & Straight Tip	0.032 & 0.035	80 & 150

Key Features and Benefits:

- PTFE coating for smooth insertion
- Atraumatic floppy tip for less trauma
- Uniform outer diameter

Amplatz Ultra Stiff[®] Guidewire

Intended Use:

Used to gain access to desired anatomical location and to assist in placement of medical devices during diagnostic or interventional procedures



Type	Size (in inch)	Length (in cm)
J Tip	0.035	80

Key Features and Benefits:

- PTFE coating for smooth insertion
- Atraumatic floppy tip for less trauma
- The stiffness of the wire provides support for the advancement of devices

Intended Use:

Used to gain smooth and easy access to desired anatomical location and to assist in placement of medical devices



Types	Size (in inch)	Length (in cm)
Straight Tip & Angled Tip	0.025, 0.032, 0.035 & 0.038	150, 180 & 260

Key Features and Benefits:

- Hydrophilic coating provides easy passage in tortuous anatomy and through lesions
- Radiopaque polymer jacket enhances fluoroscopic visualization
- Kink resistant nitinol core for optimal performance

Prime Wire[®]

PTFE Nitinol Guidewire

Intended Use:

Used to gain access to desired anatomical location and to assist in placement of medical devices during diagnostic or interventional procedures.



Type	Size (in inch)	Length (in cm)
Straight Tip	0.025, 0.032, 0.035 & 0.038	150

Key Features and Benefits:

Hybrid guidewire: One wire for all diagnostic or interventional procedures, simplifies procedure and reduces inventory

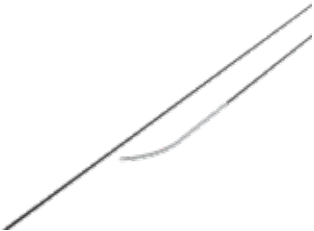
Nitinol core with Teflon coating: Provides ideal stiffness with low friction, making it easy to access and deploy devices with a single wire

Hydrophilic Floppy tip (5cm): Easy access in tortuous anatomy

Single Guidewire: Avoid exchange of wires, less procedural time and reduced risk of complications

Cope Mandril Guidewire

Used to gain access to desired anatomical location and to assist in placement of medical devices during diagnostic or interventional procedures



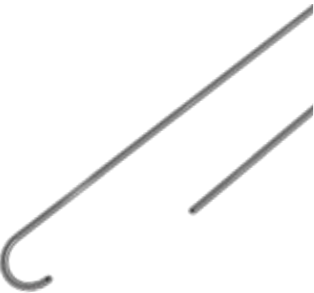
Types	Size (in inch)	Length (in cm)
Angled tip	0.018	60

Key Features and Benefits:

- Kink resistant nitinol wire for optimal performance
- Atraumatic floppy tip for less trauma

Introducer Guidewire

Used to gain access to desired anatomical location and to assist in placement of medical devices during diagnostic or interventional procedures



Types	Size (in inch)	Length (in cm)
Straight tip & J tip	0.038	50

Key Features and Benefits:

- Kink resistant nitinol wire for optimal performance
- Atraumatic floppy tip for less trauma

Accura Kit Percutaneous Access Set

Used for percutaneous access with 21G needle and subsequently introducing a 0.038 inch guidewire, offering a minimally invasive entry point for Interventional Radiology procedures



Set includes

6Fr introducer sheath, 21G x 15cm chiba needle with echogenic tip and 0.018 inch nitinol cope mandril wire

Key Features and Benefits:

- A radiopaque band located at the tip of the sheath helps to identify precise location of the sheath's distal tip for accurate positioning
- The hydrophilic coating on sheath when activated becomes highly lubricious enabling smooth insertion, by reducing friction
- Set includes a chiba needle with echogenic tip which enhances visibility under ultrasound
- Sheath lumen allows both 0.018 inch cope mandril and 0.038 inch wire together

Accura Micro Kit Percutaneous Access Set

Used for percutaneous access with 21G needle and subsequently introducing a 0.038 inch guidewire, offering a minimally invasive entry point for Interventional Radiology procedures



Set includes

6Fr introducer sheath, 21G x 15cm chiba needle with echogenic tip and 0.018 inch nitinol cope mandril wire

Key Features and Benefits:

- A radiopaque band located at the tip of the sheath helps to identify precise location of the sheath's distal tip for accurate positioning
- Set includes a chiba needle with echogenic tip which enhances visibility under ultrasound
- Sheath lumen allows both 0.018 inch cope mandril and 0.038 inch wire together

Trocar Needle With Sheath

Used to gain access in challenging anatomies during percutaneous procedures



Size (in Fr)
5 & 6

Length (in cm)
15, 20 & 25

Key Features and Benefits:

- Diamond shape needle tip for less trauma and easy insertion
- Flexible sheath allows easy manipulation and passage through challenging anatomies
- Radiopaque sheath for better visualization
- Sheath Lumen compatible with 0.035 inch guidewire

Peel Away Introducers With Dilators (Peel Away Introducer Sheaths)

Used for dilation and introduction of sheath for creating access for any transluminal access



Size (in Fr)
8, 10, 12, 14, 16 & 18

Key Features and Benefits:

- Tapered end and smooth surface for ease of introduction
- Optimal radiopacity for better visualization
- Peel-away sheath allows uniform peeling during removal
- Ergonomically designed sheath hub for easy splitting

Single Step[®] Fascial Dilator (Long Taper Fascial Dilator)

Used for single step fascial dilation, intended for stretching or enlarging the fascial tissue covering a cavity, tract or opening prior to a diagnostic or interventional procedure



Size (in Fr)
6, 8, 10, 12, 14 & 16

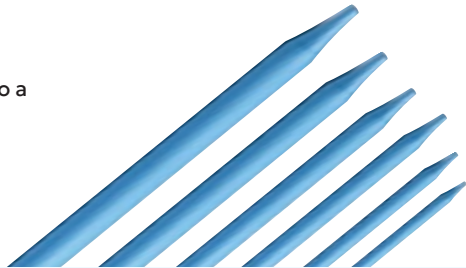
Length (in cm)
20 & 22

Key Features and Benefits:

- Long tapered tip for ease of introduction, and avoids use of sequential dilation
- Smooth surface for atraumatic entry during dilation
- Also available with hydrophilic coating for ease of introduction
- Optimal radiopacity for better visualization

Fascial Dilator Set

Used for fascial dilation, intended for stretching or enlarging the fascial tissue covering a cavity, tract or opening prior to a diagnostic or interventional procedure



Size (in Fr)
6, 8, 10, 12, 14, 16, 18 & 20

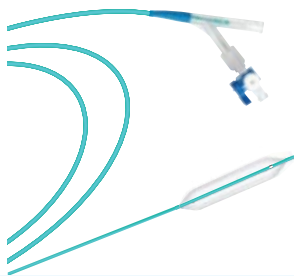
Length (in cm)
20 & 22

Key Features and Benefits:

- Gradual tapered end and smooth surface for atraumatic entry
- Also available with hydrophilic coating for ease of introduction
- Optimal radiopacity for better visualization

PTA Balloon Dilator

Used for transluminal dilation



Product Specifications

- Shaft size: 5 Fr
- Catheter length : 80cm
- Balloon length : 4 cm
- Balloon expansion diameter : 6, 8 & 10 mm
- Nominal pressure : 7 atm
- Rate burst pressure : 14 atm
- Use guidewire : 0.035 inch

Key Features and Benefits:

- Controlled inflation pressure allows dilating force at a stricture or narrowing
- Radiopaque marker bands enhance visualization of balloon position under fluoroscopy

Bilbao Dotter

Used for enteroclysis procedure to infuse contrast medium to the distal duodenal loop or the proximal jejunum to perform radiographic studies of small bowel



Size (in Fr)
8, 10, 12, 14 & 16

Length (in cm)
150 & 155

Key Features and Benefits:

- Smooth surface for better insertion and less trauma for the tissue
- Optimal radiopacity for better visualization
- Available with metal stiffener for better pushability

Inflation Device

Used for controlled inflation of balloon dilators in diagnostic or interventional procedures



Key Features and Benefits:

- Controlled inflation for better dilation
- Avoid damage of balloon by controlling the pressure
- Pressure gauge for pressure monitoring
- Rotatable and push type plunger for easy operation



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