CentrosFLO®

LONG-TERM HEMODIALYSIS CATHETER

MERIT MEDICAL® | Optimizing Catheter Patency

CentrosFLO®

centered on performance

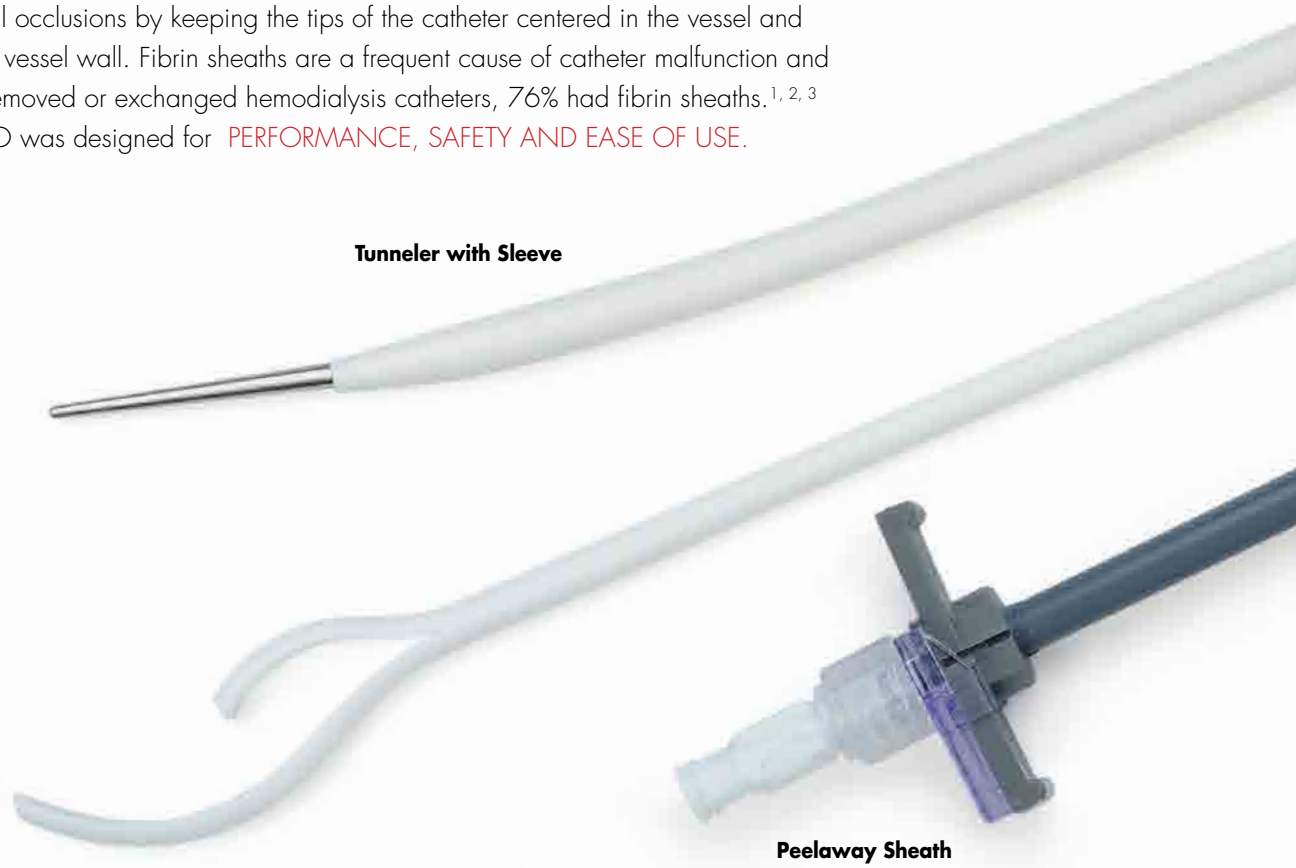
The high performance CentrosFLO® long-term hemodialysis catheter from Merit Medical was designed with performance, safety, and ease of use in mind. The new SELF-CENTERING, curved-tip catheter has a greater separation between the arterial and venous tips. Its design is intended to optimize CATHETER PATENCY, and reduce fibrin sheath formation, thrombosis and vessel wall occlusions by keeping the tips of the catheter centered in the vessel and away from the vessel wall. Fibrin sheaths are a frequent cause of catheter malfunction and in a study of removed or exchanged hemodialysis catheters, 76% had fibrin sheaths.[1, 2, 3] The CentrosFLO was designed for PERFORMANCE, SAFETY AND EASE OF USE.

performance

Preshaped Curved Tips
stabilize and center the catheter in the junction of the Superior Vena Cava (SVC) and Right Atrium (RA).

Distal Venous and Arterial Side Holes
reduce intraluminal pressure and the likelihood of the catheter tips sucking up against the vessel wall.

Large Internal Lumen
allows for a flow rate of 450 mL/min.



Tunneler with Sleeve

Peelaway Sheath and Dilator

safety

Atraumatic Catheter Tip Design
minimizes puncture or irritation of vessel walls.

Non-Traumatic Tunneler
for more rapid loading of the catheter without risk to catheter tips.

Multiple Catheter Length Configurations
accommodate variations in patient anatomy.

ease of use

Unique Guide Wire Slit
supports over-the-wire insertion technique.

Carbothane® Material
provides ease of insertion and maintenance.

Peelaway Sheath and Dilator
insertion for initial placement.

CentrosFLO®
Long-Term Hemodialysis Catheter

study results[4]

The highly innovative CentrosFLO design features preshaped tips which automatically center the catheter in the middle of the vessel.

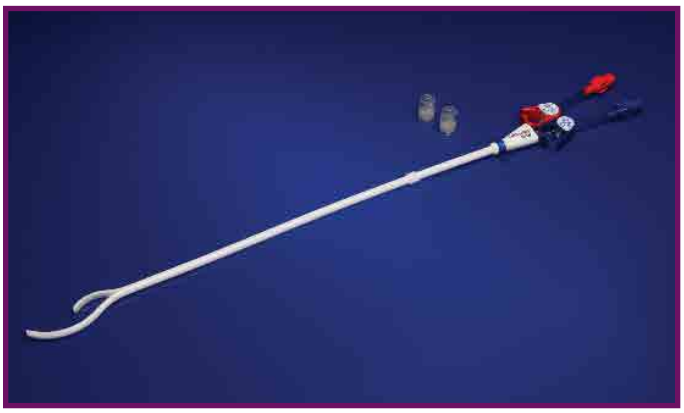
A 1998 porcine model study found that vessel injury and fibrin sheath formation can be prevented by a centered [stabilized] catheter tip in the vasculature.

CENTERED CATHETERS were found to be completely free in the vessel with no gross evidence of vessel injury.

NON-CENTERED CATHETERS, control catheter tips were embedded in a lesion and covered with fibrotic tissue.

"Vessel injury, and resulting thrombosis, can be prevented by a catheter modification that stabilizes the tip. Such a catheter may significantly reduce catheter malfunction and morbidity associated with these devices."

ordering information



complete kit

1 15F CentrosFLO Long-Term Hemodialysis Catheter
1 16F Peelaway Sheath And Dilator
1 18G X 2.75" (7 cm) Introducer Needle
1 #11 Safety Scalpel
1 0.038" X 80 cm J-Tipped Guide Wire
2 Adhesive Dressing
2 Injection Caps
1 12F Vessel Dilator
1 14F Vessel Dilator
1 Tunneler With Sleeve

catheter only

1 15F CentrosFLO Long-Term Hemodialysis Catheter
2 Injection Caps

All Products Packaged 5 Per Box.

Complete Kit — Quantity Requested

product code	tip-to-cuff cm	tip-to-hub cm	
CENF15K	**15**	**20**	
CENF17K	**17**	**22**	
CENF19K	**19**	**24**	
CENF23K	**23**	**28**	
CENF27K	**27**	**32**	
CENF31K	**31**	**36**	

Catheter Only — Quantity Requested

product code	tip-to-cuff cm	tip-to-hub cm	
CENF15C	**15**	**20**	
CENF17C	**17**	**22**	
CENF19C	**19**	**24**	
CENF23C	**23**	**28**	
CENF27C	**27**	**32**	
CENF31C	**31**	**36**	

Ordering Department_____ Customer Signature _____ Date _____

To find out more about the CentrosFLO, call Customer Service at 1-800-35-MERIT.

[1] Crain, MR, Horton, MG, Mewissen, MV. Fibrin sheaths complicating central venous catheters. *AJR.*1998 Aug;171:341-346.
[2] Forauer AR, Theoharis GA, Dasika NL. Jugular vein catheter placement: histologic features and development of catheter-related (fibrin) sheaths in a swine model. *Radiol.* 2006 Aug;240(2)427-434.
[3] Alomari, AI, Falk, A. The natural history of tunneled hemodialysis catheters removed or exchanged: a single-institution experience. *JVIR.* 2007;18:227-235.
[4] Kohler, TR, Kirkman, TR. Central venous catheter failure is induced by injury and can be prevented by stabilizing the catheter tip. *J Vasc Surg.* 1998 Jul;28(1):59-65.

MERIT MEDICAL™

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