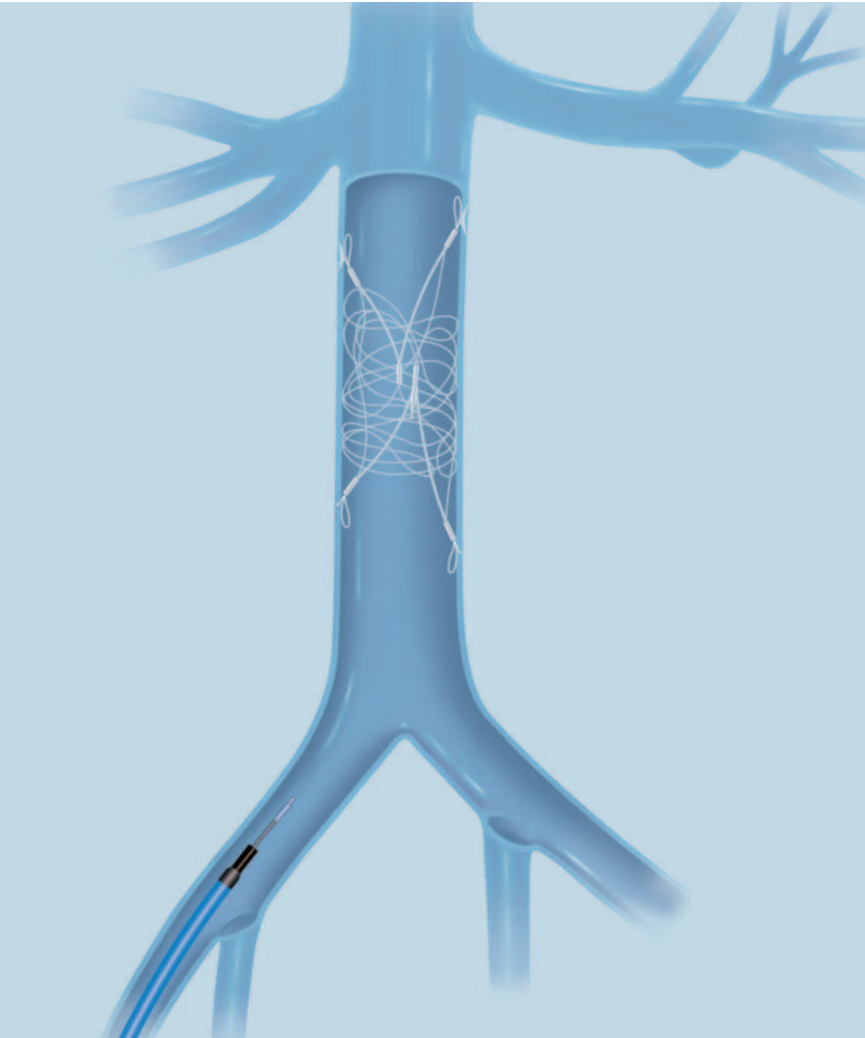




# Bird's Nest<sup>®</sup>

GIANTURCO-ROEHM VENA CAVA FILTER



## Proven PE Protection

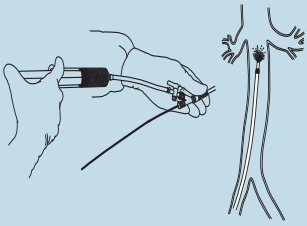
- May be used in vena cava up to 40 mm in diameter.
- Controlled insertion for use in varying anatomic conditions while creating a fine wire multiplane filtering system.
- Secure fixation prevents migration.
- Introducer system flexibility permits options in access site selection.

### ORDERING INFORMATION

Global Product Number	Set Order Number	Filter Maximum Diameter mm	Filter Catheter French Size	Filter Catheter Length cm	Introducer Sheath French Size	Accepts Wire Guide Diameter inch
<b>Femoral</b>						
G50687	BNF-45	40	11.0	45	12.0	.038
<b>Jugular</b>						
G50686	BNF-75	40	11.0	75	12.0	.038

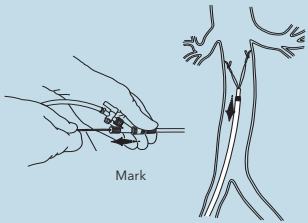
# SUGGESTED INSTRUCTIONS FOR FEMORAL PLACEMENT

## 1. Introduce filter/sheath assembly



Insert the filter catheter into the introducer sheath and **Luer lock** it into position. The tip of the filter catheter will then extend approximately 1.5 cm beyond the tip of the sheath. While performing hand injections of contrast medium through the filter catheter sidearm, the filter catheter/introducer sheath assembly can be properly positioned to initiate filter placement. **When using a femoral approach, position the filter catheter tip just below (caudad to) the renal veins.**

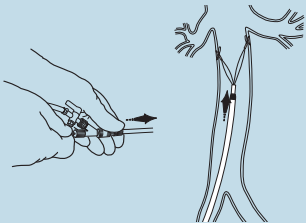
## 2. Pull filter/sheath



Loosen the Tuohy-Borst valve and, while holding the wire guide pusher stationary, withdraw the filter catheter/introducer sheath assembly to the mark on the wire guide pusher. This movement will expose the distal anchoring hooks. Fluoroscopically, this corresponds to the position of the junction point of the hook wires remaining just within the tip of the filter catheter. If this can be clearly visualized with fluoroscopy, the mark can be ignored.

**NOTE:** At the end of the filter, the V-shaped hook wire struts are readily visible, but filter wires are too fine to be identified fluoroscopically.

## 3. Anchor hooks

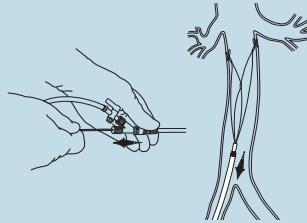


**Gently** advance the filter catheter/introducer sheath assembly one time, 1-3 mm, to secure the hooks to the vena cava wall.

Be certain junction point of distal pair of hooks is in catheter tip when positioning these hooks into caval wall. If there is uncertainty regarding hook fixation, the catheter may be advanced up over the hook wires to the edge of the hooks. The catheter may then be repositioned, and the filter placement re-initiated in a slightly different caval orientation or level.

**CAUTION:** Overly forceful or multiple jabs with the filter catheter/introducer sheath assembly could result in perforation of the wall of the inferior vena cava by the exposed hooks and struts of the filter.

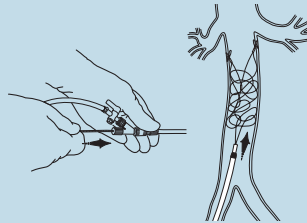
## 4. Pull filter/sheath



Again, hold the wire guide pusher stationary and withdraw the filter catheter/introducer sheath assembly 1-3 cm. This will facilitate subsequent passage of the filter wires through the tip of the filter catheter and provide room for filter formation within the vena cava.

**CAUTION:** Do not withdraw the filter catheter/introducer sheath assembly into the iliac vein. Repositioning into the inferior vena cava may prove difficult.

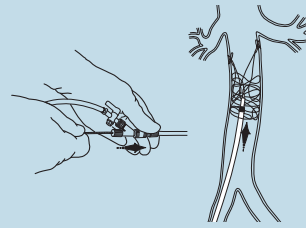
## 5. Push filter wires



Holding the filter catheter/introducer sheath assembly stationary and with fluoroscopic control, advance the wire guide pusher with a steady, smooth motion until the junction point of the proximal hook wires is seen fluoroscopically at the filter catheter tip.

**CAUTION:** Do not advance too quickly or forcefully as wire kinking within filter catheter may occur, making advancement difficult.

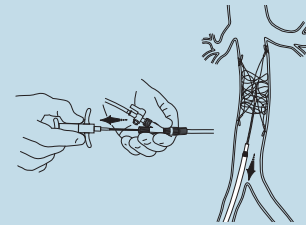
## 6. Push filter/sheath assembly



Advance the filter catheter/introducer sheath assembly so that the proximal junction point is in close proximity to or overlaps the junction point of previously positioned hook wires.

**NOTE:** The approximation or slight overlap of the junction points ensures adequate compression and formation of the filter wires and places the second pair of hooks in the inferior vena cava. Placement of a hook in a renal vein, or passage of filter wires distal to the first hook position (wire prolapse), may occasionally occur and is of no consequence.

## 7. Pull sheath

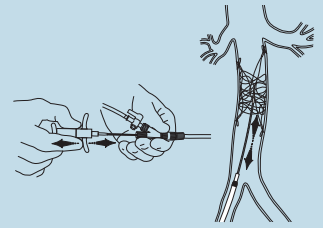


While maintaining slight forward pressure on the wire guide pusher, slowly withdraw the filter catheter/introducer sheath assembly. This will permit the proximal hook wires to exit the catheter, springing open to engage with the caval wall. This is readily seen fluoroscopically.

To be sure the hooks are completely free from the filter catheter tip, the filter catheter/introducer sheath assembly should be withdrawn to within approximately 1 cm of the Bird's Nest Filter handle attached to the wire guide pusher.

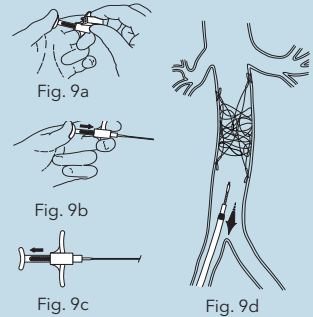
**CAUTION:** Do not advance the wire guide pusher after the proximal hook wires have exited the filter catheter tip. Forceful advancement of wire guide pusher may alter the orientation of the filter attachment site, making disengagement difficult.

## 8. Anchor hooks



Gently tug or use a slight to-and-fro motion on the wire guide pusher to secure the second pair of hooks to the vena cava wall before disengaging the filter.

## 9. Detach filter



### To release filter:

- Maintaining wire guide pusher position, remove red safety lock from handle by grasping both sides and pulling up and away from the handle.
- Holding the wire guide pusher steady, use the handle to fully depress the thumb grip of the wire guide pusher forward into the cannula. Maintaining this position will release the filter. Separation can be seen fluoroscopically.
- Release pressure on the thumb grip of the handle.
- Pull the wire guide pusher's distal end back into the filter catheter.

Remove the wire guide pusher and filter catheter, leaving the introducer sheath in place. Reposition the sheath for a final vena cavogram.

Refer to Suggested Instructions For Use for indications, warnings and precautions.



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