TriNav® TriNav® LV

TriNav® and TriNav® LV Infusion Systems
Quick Reference Guide

Rx ONLY

For the safe and proper use of the TriNav and TriNav LV Infusion Systems refer to their individual Instructions for Use.

INDICATIONS FOR USE

The TriNav and TriNav LV Infusion Systems are intended for use in angiographic procedures. They deliver radiopaque media and therapeutic agents to selected sites in the peripheral vascular system.[1,2]

CONTRAINDICATIONS

TriNav and TriNav LV Infusion Systems are not indicated for use in the vasculature of the central nervous system (including the neurovasculature) or central circulatory system (including the coronary vasculature).[1,2]

Product	TriNav		TriNav LV	
Recommended Vessel Sizes	1.5 mm - 3.5 mm		3.5 mm - 5.0 mm	
Length	120 cm	150 cm	120 cm	150 cm
Catheter ID	0.021 in		0.025 in	
Proximal Outer Diameter	2.4F		2.9F	
Minimum Base Catheter ID	0.035 in		0.048 in	
Maxium Guide Wire Diameter	0.018 in		0.018 in	
Distance Between SmartValve® Marker Bands	10 mm		12 mm	
Maxium Infusion Pressure	1200 psi		1200 psi	
Bead Size Compatability	Hydrogel ≤500 µm, Glass ≤ 110 µm		Hydrogel ≤500 µm, Glass ≤ 110 µm	
Dead Space	0.37 mL	0.44 mL	0.52 mL	0.61 mL
Actual Flow Rate at 1200 PSI/8274 kPa (mLsec)*	2.6 mL/sec	2.1 mL/sec	3.6 mL/sec	3.3 mL/sec

*The observed actual flow rate values are for reference only. Infusion Medium Omnipaque 300 (Iodine 300 mg/ml), Viscosity 6.3 cP.

The following is applicable to both TriNav and TriNav LV

WARNING

Do not use glue and/or other liquid embolic agents with the device.
Do not advance, retract, or torque the device against resistance.
Do not retract the self-expanding tip against resistance.

PRECAUTION

Do not expose the delivery system to organic solvents (e.g., alcohol) as structural integrity and/or function of the device may be impaired.

IMPORTANT

Maintain a continuous heparinized saline flush using an IV drip bag on the base catheter.
Adequately flush the infusion lumen throughout the procedure to prevent backflow of blood into the device lumen.

Warnings and precautions highlighted here are not exhaustive. Always refer to the Instructions for Use for a comprehensive device instructions.

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TriNav®

TriNav® LV

TriNav® Infusion System
Troubleshooting

Difficulty or inability to infuse	• Assess for vasospasm. Address as required. • Flush with 10-20 cc of saline. • If applicable, examine for impingement along the Y-90 infusion lines. • Check the hub for clumping or clogging. • Confirm embolic sphere size compatibility.
Stasis develops almost immediately	• Assess for vasospasm. Address as required.
Reflux observed at SmartValve®	• Assess for vasospasm. Address as required. • Confirm the TriNav Infusion System is appropriately sized for the target vessel. • Reposition the tip and reassess. • If reflux still appears, remove the device and assess the condition of the SmartValve®.
Resistance is encountered when withdrawing the device back into the base catheter	• Do not withdraw against resistance as this could cause vessel trauma or device damage. • Assess for vasospasm. Address as required. • Flush the base catheter to expel any blood from the lumen. • If unable to resolve, withdraw the TriNav and base catheter from the patient as a single unit.

Tips to Improve Trackability*

Base Catheter purchase:

- Advancing the base catheter can provide more purchase, which may help anchor the base catheter in an area where vasculature can provide additional support.

Guide Wires:

- Stiffer wire or more wire purchase: May allow for more pushability past obstacles.
- Softer wire or less wire purchase: May allow for more flexibility to navigate tortuous vessels.

SmartValve® Placement in Complex Vasculature*

- For tortuous vessels or those with acute angle origins, consider getting access with a traditional microcatheter, then exchanging over-the-wire to position the SmartValve.

** These tips are presented for convenience purposes only, and **clinical judgment should always be employed by the practitioner**. These tips are not intended to supplement or supersede the Instructions for Use. Please always refer to the Instructions for Use for complete usage guidance.*

Reference: 1. TriNav® Infusion System Instructions for Use 2. TriNav® LV Infusion System Instructions for Use

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