

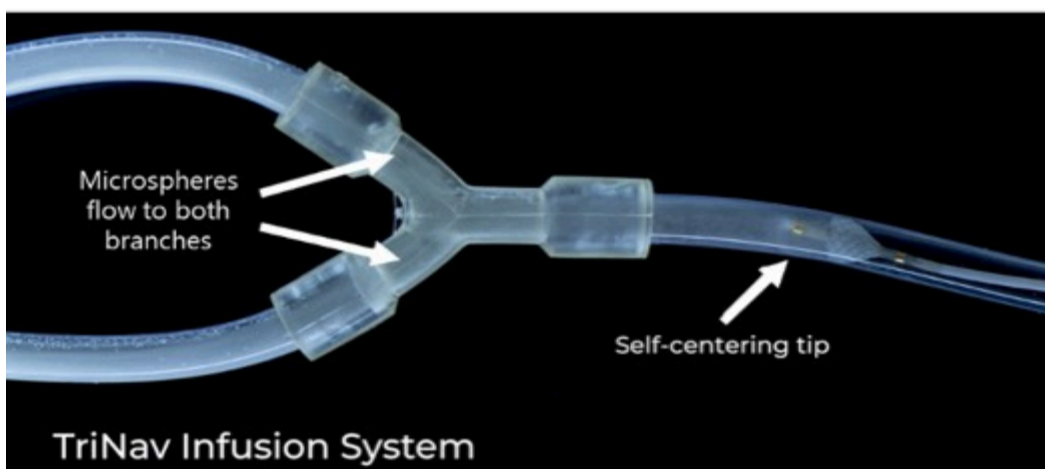
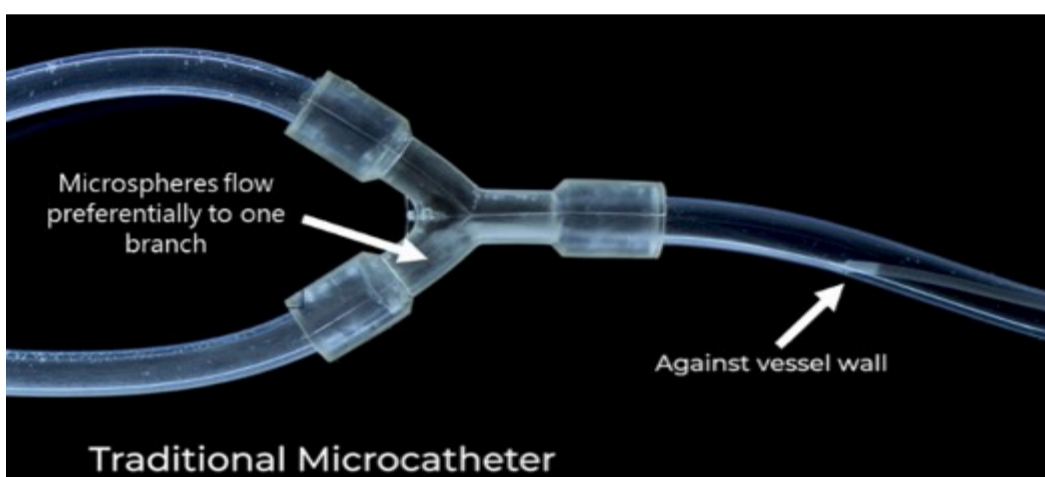
TriNav's SmartValve: Consistent Therapy Delivery

The TriNav Infusion System's SmartValve[®] technology works with the cardiac cycle to enhance therapeutic delivery and improve the T:N ratio.¹ One way it achieves this is by promoting consistent and homogenous downstream distribution.²

In experiments vs. a traditional microcatheter using an in-vitro hepatic arterial model,² microsphere administration using SmartValve technology was associated with:

- A favorable turbulent outflow pattern promoting particle mixing in the bloodstream
- A fixed centro-luminal catheter position providing predictable and repeatable delivery

Together these effects led to 62% more homogeneous downstream branch targeting. Homogeneous distribution over first-order bifurcating branches is crucial to ensure adequate therapeutic coverage and consistency over repeated administrations.



To visualize the SmartValve in action, we've developed a flow model to demonstrate how the TriNav works. Using the same microspheres that Interventional Radiologists use to treat patients, our flow model shows you how the SmartValve self-centers, promotes particle mixing and delivers therapeutics consistently.

See a video of the flow model [here](#) or [schedule a live demonstration](#).

And learn more about the in-vitro study that examined how TriNav's SmartValve improves fluid dynamics.

[Review Our Clinical Summary](#)

Indications For Use

The TriNav Infusion System is intended for use in angiographic procedures. It delivers radiopaque media and therapeutic agents to selected sites in the peripheral vascular system.³

Contraindications

TriNav is not intended for use in the vasculature of the central nervous system (including the neurovasculature) or central circulatory system (including the coronary vasculature).

Rx Only. For the safe and proper use of the TriNav Infusion System, refer to the Instructions for Use.

References

1. d'Abadie P, Walrand S, Goffette P, et al. Antireflux catheter improves tumor targeting in liver radioembolization with resin microspheres. *Diagn Interv Radiol* 2021; 27:768–773.
2. van den Hoven AF, Lam MGEH, Jernigan S, van den Bosch MAAJ, & Buckner GD. Innovation in catheter design for intra-arterial liver cancer treatments results in favorable particle-fluid dynamics. *J. Exp. Clin. Cancer Res.* 2015;34:74.
3. TriSalus™ TriNav[®] Infusion System, Instructions for Use