

Artix™: Redefining Arterial Thrombectomy With Treatment Flexibility and Control

Insights highlight how Artix's dual thrombectomy approach—combining mechanical and aspiration—expands treatment options for peripheral arterial occlusions.

With Khanjan Nagarsheth, MD, and Michael C. Siah, MD

Acute and chronic arterial thrombus continue to present physicians with some of the most complex challenges in endovascular care. Traditional approaches—whether balloon embolectomy, lytics, or single-modality mechanical systems—often fall short when faced with large clot burden, distal embolization risk, or need for rapid revascularization.

These existing therapies for arterial thromboembolism all have well-documented shortcomings:

- Ineffective complete clot retrieval within one stand-alone system, leading to additional procedures, open surgery, and amputation^{1,2}

- Significant blood loss¹
- Adverse events such as distal embolization and vessel trauma²⁻⁴
- High rates of lytic use^{1,2}

The Artix™ Thrombectomy System (Inari Medical) was designed to directly address these unmet needs by delivering a safe, effective, versatile, all-in-one solution.

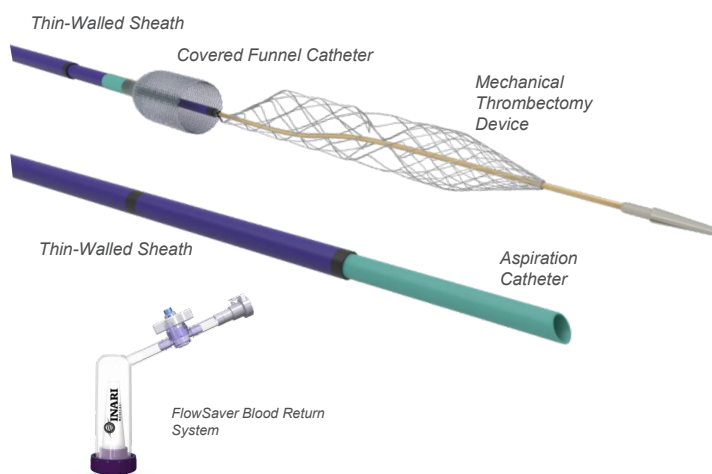
A COMPLETE TOOLKIT FOR PERIPHERAL ARTERIAL THROMBOEMBOLISM

Artix offers physicians a complete toolkit to address peripheral arterial thrombus, in one easy-to-use system:

The Artix Thrombectomy System

Complete toolkit for peripheral arterial thromboembolism

- ✓ **Treatment Range**
3-6 mm vessels, 4-8 mm vessels
- ✓ **Aspiration + Mechanical Devices**
Remove acute to chronic thrombus
- ✓ **Low Profile 8Fr Sheath**
7Fr access profile
- ✓ **Proximal Flow Restriction**
Covered funnel catheter
- ✓ **Over-the-wire System**
Complete access + precise control
- ✓ **Blood Return Ability**
Minimizes procedural blood loss



Note: The Artix Thrombectomy System is FDA-cleared and only available in the United States.

- **Thin-walled sheath:** A hydrophilic 8-F sheath—with a low-profile, 7-F access, and 65- and 90-cm lengths—facilitates streamlined access and aspiration.
- **Covered funnel catheter:** This tool restricts proximal flow to minimize the risk of thrombus migration* while enhancing thrombus capture by compressing it into the catheter.
- **MT thrombectomy device:** Equipped with a nitinol element, the device is optimized for retrieving thrombi of varying chronicity.^{5†} The Artix MT exerts less than one-third the radial force of a Fogarty balloon, minimizing vessel injury while effectively removing acute-to-chronic thrombus. It is available in two sizes—MT6 for vessels 3 to 6 mm in diameter and MT8 for vessels 4 to 8 mm in diameter.
- **AX aspiration catheter:** An 8-F, beveled-tip catheter designed for efficient suction thrombectomy.

The system also integrates Inari's proprietary FlowSaver® Blood Return System, which enables intra-procedural blood return to mitigate blood loss, ensuring a safer and more efficient procedure.

Together, these components give physicians the flexibility to adapt their approach midprocedure without changing platforms, saving time and blood loss while maximizing procedural success.

MEETING CRITICAL CLINICAL NEEDS

Unlike devices limited to either mechanical extraction or aspiration, Artix is the only fully integrated system offering both mechanisms of action in one versatile platform. Real-world adoption has been rapid; > 1,000 patients have been treated within just 4 months of launch. Physicians consistently report strong safety signals, minimal vessel trauma, and reliable efficacy, setting a new benchmark in arterial thrombectomy.

In a late-breaking presentation at the 2025 Amputation Prevention Symposium (AMP), Dr. Khanjan Nagarsheth presented the clinical outcomes from 1,000 commercial Artix cases, demonstrating:

- 95% flow restoration
- 95% median thrombus removal
- Low (14%) lytic use postprocedure, with further reductions as operators gained confidence in Artix's mechanical performance, compared to 20% to 60% lytic usage in endovascular thrombectomy cases with other devices⁶⁻⁸

Overall, Artix demonstrates very promising results across a variety of clinical presentations.

These results validate Artix as the only comprehensive toolkit that addresses the two greatest unmet needs in arterial thrombectomy—(1) effective removal of all thrombus types, across varying chronicities and (2) a dedicated, purpose-built mechanism to intraprocedurally arrest

Experience with the Artix™ System

Artix delivers proven results: 1,000+ patients

Toolkit Usage	% Cases
Mechanical	70
Aspiration	8
Mechanical + Aspiration	22

95%

Complete/Partial
Flow Restoration

95%

Median
Thrombus Removal

48 cc

Estimated
Blood Loss

Reference: Nagarsheth et al. Late breaking: Amputation Prevention Symposium, 2025, Chicago, IL. Presented at AMP 2025 by Dr. Nagarsheth, Dr. Nagarsheth is sharing his views, opinions, and experience with Inari Medical devices. His opinions and experiences using these devices were formed independently of Inari Medical and may not represent every experience or outcome with the devices. The information is not a promise or guarantee by Inari Medical regarding a particular treatment, therapy, medication, device, diagnosis, advice, recommendation, strategy, or outcome with the product or the information contained in these materials and presentations.

Indications for Use: The Artix Thin-Walled Sheath is indicated for (1) The non-surgical removal of occluded and thrombotic blood vessels. (2) Injection, infusion, and/or aspiration of contrast media and other fluids into or from a blood vessel. (3) Use as a conduit for endovascular devices. (4) Use in facilitating the insertion and guidance of an intracatheter catheter into a selected blood vessel. The device provides temporary access to the blood vessel and other anatomic structures. The device Thin-Walled Sheath is approved for use in the peripheral vasculature. The Artix MT Thrombectomy device is indicated for (1) The non-surgical removal of occluded and thrombotic blood vessels. (2) Injection, infusion, and/or aspiration of contrast media and other fluids into or from a blood vessel. The Artix AX aspiration catheter is indicated for use in the peripheral vasculature. The FlowSaver Blood Return System is used with Inari Medical catheters and sheaths for autologous blood transfusion. Review complete instructions for use, warnings, precautions, possible adverse effects and contraindications prior to use of the product. For all non-urgent matters, please refer to manufacturer's instructions for use, contraindications, warnings and precautions. Caution: Federal FDCA law restricts this device to sale by or on the order of a physician. All trademarks are property of their respective owners. PEO-2384-USA-EN-v1

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*According to benchtop testing compared to control. Internal data on file. NOTE: To attempt to minimize risk of arterial embolization of blood clots, use of a device that entraps clots may potentially be helpful, but this has not yet been demonstrated to be effective in the arterial system.
†Designed to remove acute to chronic arterial clots. According to benchtop testing compared to control. Internal data on file.

My Early Experience With Artix (N = 8)

100% Flow Restoration

100% Freedom From Amputation



In his early clinical experience in eight patients presented at AMP 2025, Dr.

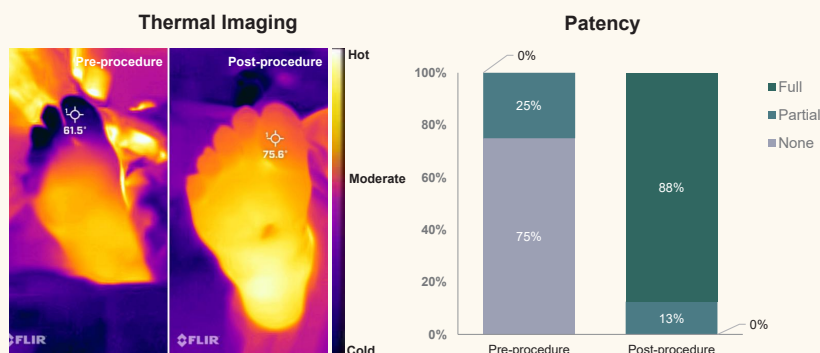
Khanjan Nagarsheth reported highly encouraging outcomes with the Artix Thrombectomy System, achieving 100% flow restoration and a 100% limb salvage rate at 30 days.

One illustrative case, captured with thermal imaging, highlights the dramatic improvement in perfusion: A patient's foot showed full restoration of blood flow after the Artix procedure.

"In my practice, Artix represents a paradigm shift. It's a single system that delivers both mechanical and aspiration thrombectomy with precision. In real-world cases, Artix has enabled rapid flow restoration without relying on lytics. That dual-action capability, combined with the covered funnel catheter, is what truly distinguishes Artix, and why it is now my first-line therapy for limb ischemia cases."

—Khanjan Nagarsheth, MD,

Professor of Surgery at University of Maryland in Baltimore, Maryland



flow—all delivered in an over-the-wire platform that enables complete vessel access and procedural control.

LOOKING AHEAD: ARTIXASCEND

The journey continues with ArtixASCEND, a prospective, multicenter study enrolling approximately 300 patients across up to 50 sites. With independent adjudication and core lab imaging, ArtixASCEND will generate high-quality evidence on outcomes including limb salvage, revascularization, vessel injury, length of stay, quality of life, and other key measures.

Early commercial adoption and clinical experience presented on podium highlight the strong clinical performance of Artix and underscore the advantages of the Artix system versus other therapeutic options, such as lytics or aspiration-only modalities. Continued evaluation includes ongoing analysis via retrospective and prospective single and multicenter analyses and, now, via ArtixASCEND.

By combining innovation with real-world validation, Artix is not only reshaping arterial thrombectomy today—it is also building the evidence base to advance standards of care tomorrow.

CONCLUSION

The clinical experience to date with the Artix Thrombectomy System underscores its strong potential to transform the treatment of peripheral arterial thromboembolism, addressing a critical gap left by current options. Unlike conventional thrombectomy devices that are limited to a single mode of action, Artix's dual mechanical plus aspiration platform, in addition to the flow arrest feature of the covered funnel catheter, enable physicians to adapt during the case in real time, ensuring effective treatment across a wide spectrum of thrombus types and chronicities.

In commercial experience to date, Artix consistently delivered efficient clot removal, rapid revascularization, and complete flow restoration via a single session, without reliance on adjunctive lytics. This ability to safely and effectively clear clot of varying chronicity sets Artix apart as a true next-generation solution.

As a versatile, all-in-one system, Artix represents an exciting forward advancement in arterial thrombectomy, bringing efficacy, procedural control, and a complete toolkit to a therapy area long defined by limited solutions and compromise. ■

Case Example: Real-World Impact



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PATIENT PRESENTATION

A man in his early 80s with preexisting moderate-to-severe peripheral artery disease presented with an acutely cold leg and absent pedal pulses. Imaging revealed an occlusion in the superficial femoral artery, with reconstitution in the proximal popliteal artery (Figure 1A and 1B).

"In open surgery, we control embolization by clamping the artery. With its flow arrest capability, Artix gives me that same protection in a percutaneous procedure—delivering the advantages of open surgery while keeping the approach fully endovascular."

— Dr. Siah

PROCEDURAL OVERVIEW

The Artix Thrombectomy System was selected to address the thrombotic occlusion. Using the

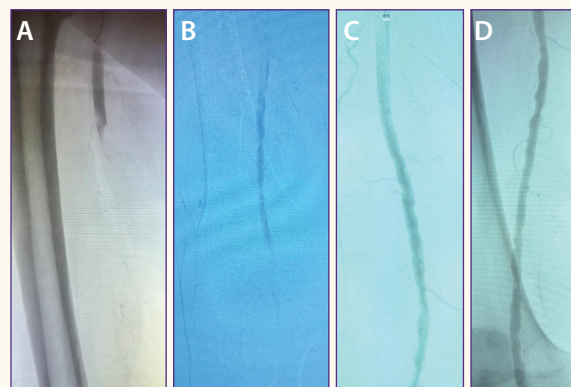


Figure 1. Occlusive thrombus in the superficial femoral artery with reconstitution in the proximal popliteal artery prior to thrombectomy (A, B). In-line flow was restored after mechanical and aspiration thrombectomy with Artix (C, D).

MT8 catheter with a proximal covered funnel catheter, nine mechanical passes were performed, followed by a single aspiration maneuver. The result was rapid restoration of in-line flow and return of pedal pulses, confirmed with Doppler ultrasound (Figure 1C and 1D).

The procedure had minimal blood loss (~30 mL) and no need for thrombolytics.

DISCUSSION

This case highlights the ability of Artix to enable efficient, complete, controlled clot removal while improving procedural flow. ■

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The physicians featured are sharing their views and opinions and are expressing their experience with Inari Medical devices. Their opinions and experiences using these devices were created independently of Inari Medical and may not represent every experience or outcome with the devices.

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