



iCast

covered stent system

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More clinical data less restenosis.¹

iCast covered stents have the first to market balloon expandable, fully encapsulated stent design that has served more than 850,000 patients worldwide. Known for its precision and predictability — the versatile iCast covered stent has been meeting the needs of surgeons and patients for 20 years, and is the only durable solution backed by decades of real-world evidence.^{2,3}



Optimized patient outcomes today, tomorrow and into the future^{4,5,6}

- Published literature over the last 20 years supports the safety and performance of the iCast covered stent system²
- Proven two-fold lower reintervention compared to bare metal stents at 5 years post-procedure
- Full encapsulation with ePTFE minimizes neointimal hyperplasia formation¹
- 316L stainless steel struts provide additional radial force — designed to support stent patency¹

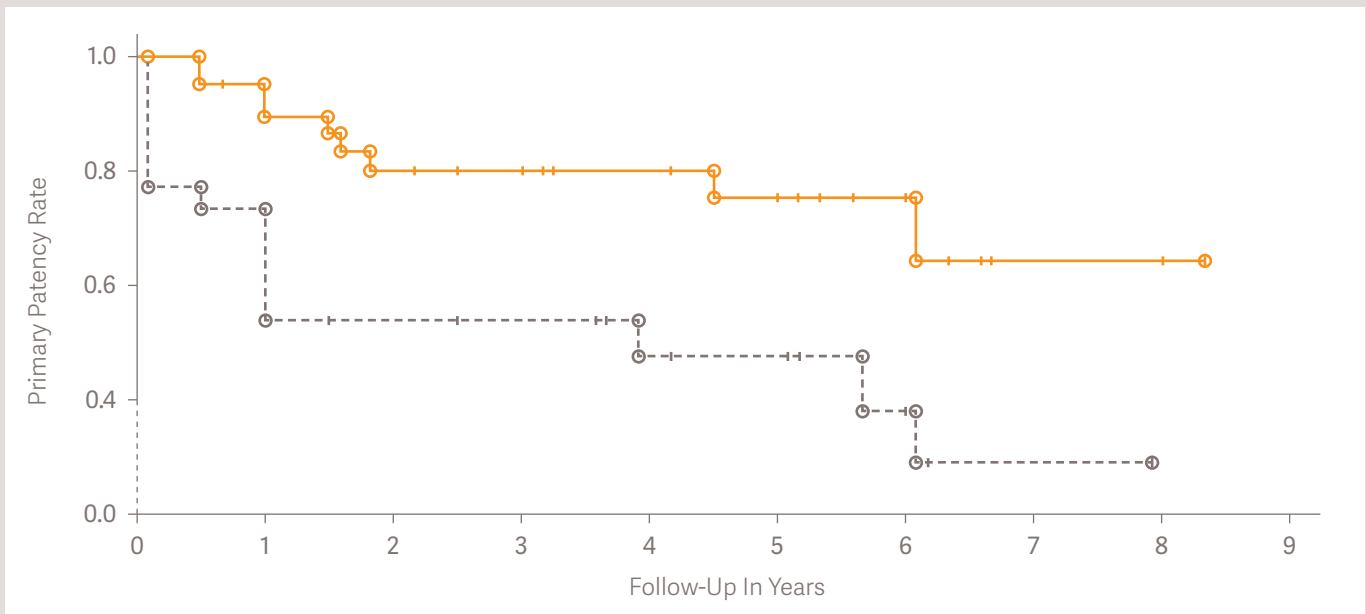


COBEST — randomized multicenter study⁴

iCast vs. bare metal stent

Primary Patency TASC C&D Lesions

○ Censored
+ Estimated Patency Rate
— iCast²
- - - Bare Metal Stent (BMS)



Significantly higher patency in complex TASC C&D lesions compared to bare metal stents at 5 years ($p=0.003$).



iCast is the only balloon-expandable covered stent to have long-term, real-world follow-up, including a reported 5-year primary patency rate of 74.7%.⁴



The **predictability** and **precision** you need for covered stent placement

- Low profile, high stent retention force and secure trackability facilitates stent implantation¹
- 6 and 7 French compatible on all sizes
- Predictable recoil and foreshortening provides precise deployment¹
- Full encapsulation with ePTFE helps mitigate the risks related to vessel perforation⁷
- Radiopaque markers enhance visibility during deployment and assist with accurate stent placement¹
- Dog-bone inflation design is intended to reduce the chances of embolization⁸



iCast is designed for secure delivery & placement

Average stent securement force is 2-4 times higher than peak insertion forces²

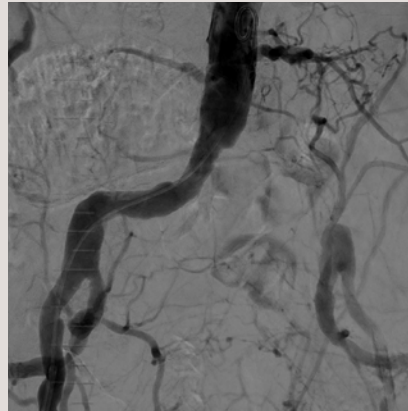
The **versatility** to adapt to different treatment needs, with **flexibility** to conform to the anatomy

- Open-cell stent design provides versatility and flexibility in delivery and placement¹
- Designed for pushability and trackability through tortuous anatomy with conformance to iliac arteries¹
- Able to post-dilate and flare stent: conforming to the anatomy and customizing each patient's treatment^{1,9}
- Smooth inner lumen to facilitate recanalization¹



Occlusive disease treatment with iCast covered stent system

Bilateral iliac artery occlusion

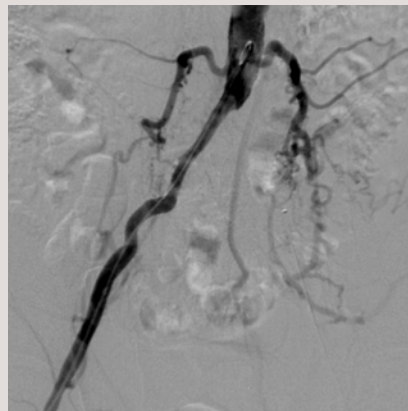


PRE-PROCEDURE



POST Restoration of the lumen diameter with iCast covered stent in RIA and overlapped iCast covered stents in LIA.

Bilateral common iliac artery occlusion



PRE-PROCEDURE



POST Restoration of the lumen diameter with iCast covered stents in RIA and LIA.

RIA - Right Iliac Artery, LIA - Left Iliac Artery



Ordering information

iCast covered stent system

5 - 10 mm Diameter, .035" guidewire

Stent Diameter/Length	Order Number 80 cm Catheter Length	Order Number 120 cm Catheter Length	Foreshortened Length		Introducer Compatibility
			8 ATM Nominal Pressure	12 ATM Rated Burst Pressure	
5 x 16 mm	48516	42516	15.9 mm	15.6 mm	6 Fr
5 x 22 mm	48522	42522	21.3 mm	21.0 mm	6 Fr
5 x 38 mm	48538	42538	37.2 mm	37.7 mm	7 Fr
5 x 59 mm	48559	42559	58.6 mm	60.0 mm	7 Fr
6 x 16 mm	48616	42616	15.7 mm	15.1 mm	6 Fr
6 x 22 mm	48622	42622	20.8 mm	20.2 mm	6 Fr
6 x 38 mm	48638	42638	36.6 mm	37.0 mm	7 Fr
6 x 59 mm	48659	42659	57.8 mm	58.7 mm	7 Fr
7 x 16 mm	48716	42716	15.0 mm	14.2 mm	7 Fr
7 x 22 mm	48722	42722	20.1 mm	19.4 mm	7 Fr
7 x 38 mm	48738	42738	35.8 mm	35.7 mm	7 Fr
7 x 59 mm	48759	42759	57.1 mm	57.5 mm	7 Fr
8 x 38 mm	48838	42838	34.7 mm	34.7 mm	7 Fr
8 x 59 mm	48859	42859	56.0 mm	56.5 mm	7 Fr
9 x 38 mm	48938	42938	33.7 mm	32.7 mm	7 Fr
9 x 59 mm	48959	42959	54.6 mm	54.0 mm	7 Fr
10 x 38 mm	48038	42038	30.8 mm	30.9 mm	7 Fr

1. Mwipatayi BP, Sharma S, Daneshmand A, et al. Durability of the balloon-expandable covered versus bare-metal stents in the Covered versus Balloon Expandable Stent Trial (COBEST) for the treatment of aortoiliac occlusive disease. *J Vasc Surg.* 2016;64(1):83-94.e1. doi:10.1016/j.jvs.2016.02.064.
(Mwipatayi BP, et al. showed less restenosis when comparing Advanta V12 covered stent to bare metal stent in TASC C and D through 5 years.)
2. Both Advanta V12 and iCast covered stent systems are manufactured by Atrium Medical Corporation. Advanta V12 is available outside of the United States. iCast is available only in the United States. Both products are the same physical stent and delivery system under different brands. Duration of use, number of units, and publications are combined Advanta V12 and iCast records. Data on file.
3. Mwipatayi BP, Ouriel K, Anwari T, et al. A systematic review of covered balloon-expandable stents for treating aortoiliac occlusive disease. *J Vasc Surg.* 2020;72(4):1473-1486.e2. doi:10.1016/j.jvs.2020.01.084.
4. Mwipatayi BP, Sharma S, Daneshmand A, et al. Durability of the balloon-expandable covered versus bare-metal stents in the Covered versus Balloon Expandable Stent Trial (COBEST) for the treatment of aortoiliac occlusive disease. *J Vasc Surg.* 2016;64(1):83-94.e1. doi:10.1016/j.jvs.2016.02.064. Pg 8, paragraph 3. Pg 9, paragraph's 1, 3, 4.
5. Laird JR, Loja M, Zeller T, et al. iCAST Balloon-Expandable Covered Stent for Iliac Artery Lesions: 3-Year Results from the iCARUS Multicenter Study. *J Vasc Interv Radiol.* 2019;30(6):822-829.e4. doi:10.1016/j.jvir.2018.12.707.
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7. Al-Mukhaini M, Panduranga P, Sulaiman K, Riyami AA, Deeb M, Riyami MB. Coronary perforation and covered stents: an update and review. *Heart Views.* 2011;12(2):63-70. doi:10.4103/1995-705X.86017.
8. Grimme FA, Reijnen MM, Pfister K, Martens JM, Kasprzak P. Polytetrafluoroethylene covered stent placement for focal occlusive disease of the infrarenal aorta. *Eur J Vasc Endovasc Surg.* 2014;48(5):545-550. doi:10.1016/j.ejvs.2014.08.009.
9. van der Riet C, Schuurmann RCL, Verhoeven ELG, et al. Three-Dimensional Geometric Analysis of Balloon-Expandable Covered Stents Improves Classification of Complications after Fenestrated Endovascular Aneurysm Repair. *J Clin Med.* 2022;11(19):5716. Published 2022 Sep 27. doi:10.3390/jcm11195716.



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