



INTRAVASCULAR THERAPIES
Mid-term vascular access



smartmidline™
CT-rated midline



Value Life

Why a midline?

More than 250 million PIVs* and 300,000 PICC are placed each year in Europe.¹

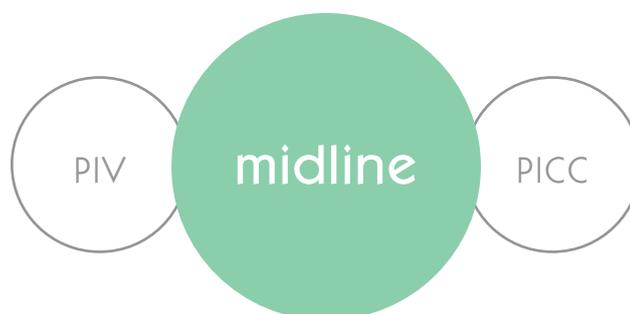
But are they always the most suitable devices?

First-attempt insertion of **PIV** is unsuccessful in **12-54%** of patients²... while repeated insertion attempts lead to vein trauma and increase the risk of complications.

Up to **69%** of **PIVs** fail before therapy is complete.³

43% of **PICCs** are inappropriately used⁴... while with a PICC, the risk of CLABSI and DVT** is increased.²

Midline are the perfect alternative...



Midline versus **PIV**

- ✓ Only 1 puncture
- ✓ Less failure rate

Midline versus **PICC**

- ✓ More cost effective
- ✓ Preservation of central veins

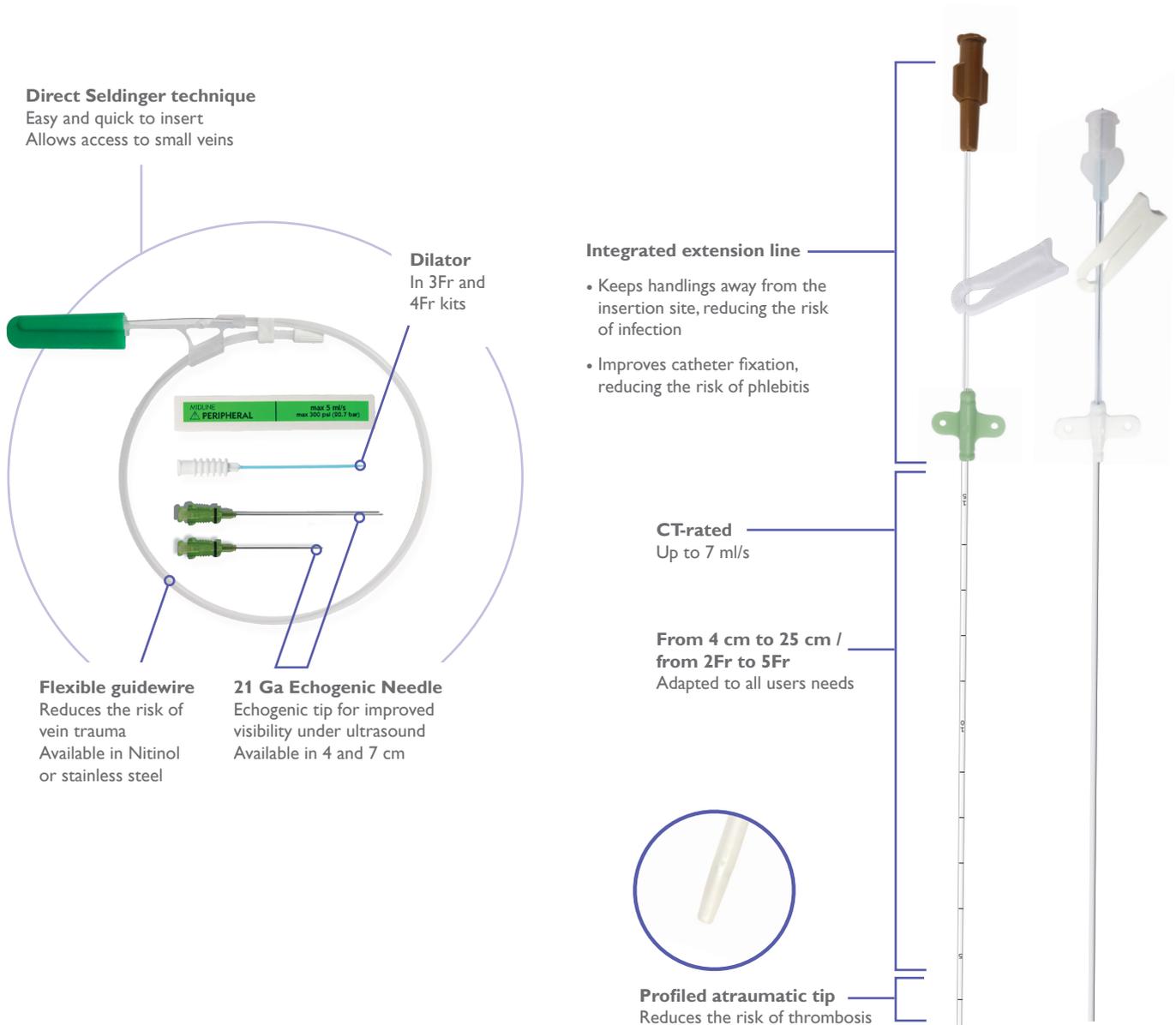
Midline: the right indications

Patients with difficult venous access
or those who require more than 6 days of treatment
without indications for central venous access

* PIV = Peripheral Intravenous Catheters | ** DVT = Deep Venous Thrombosis | DIVA = Difficult Intravenous Access

Introducing smartmidline™

Easiest insertion, multiple sizes, CT-rated



For optimal outcomes, to be used with:



vysion XS Ultrasound System
Code U-Lite



VYSET insertion Sets
Codes V02771713 (basic), V02771714 (complete), V02771818 (max. barrier)



griplok Securement Device
Code 5804.04

Range

Catheter size (Fr)	Catheter length (cm)	Max flowrate (ml/s)	Needle length (cm)	Dilator	Guidewire	
					Stainless steel	Nitinol**
2	4	1.5	4.5	×	128.1204	
	6			128.1206	128.12062	
	8			128.1208	128.12082	
	10	1		×	128.1210	-
	15			×	128.1215	-
	20			×	128.1220	-
3	6	1.5	4 and 7	✓	128.1306	-
	8			✓	128.1308	128.13082 NEW!
	10			✓	128.1310	128.13102 NEW!
	12	1		✓	128.1312	128.13122 NEW!
	15			✓	128.1315	-
	20			✓	128.1320 NEW!	-
4	8	5	7	✓	128.1408	128.14082 NEW!
	10			✓	128.1410 NEW!	128.14102 NEW!
	12			✓	128.1412	128.14122 NEW!
	15			✓	128.1415	128.14152 NEW!
	20			✓	128.1420	128.14202 NEW!
	25			✓	128.1425	128.14252 NEW!
5	15	7	128.1515*			
	20		128.1520*			

*5 Fr catheters are delivered without accessories. They must be used with a MST kit with 5.5 Fr introducer sheath, ref VGAG1146-557.

** 2 Fr kits are supplied with J nitinol guidewires and 3 Fr and 4 Fr kits are supplied with straight nitinol guidewires.

1 iData report 2014

2 Helm R. E., Klausner, J. D., Klemperer, J. D., Flint, L. M., & Huang, E. (2015). Accepted but Unacceptable. Journal of Infusion Nursing, 38(3), 189-203

3 Marsh N., Webster J., Flynn J., Mihalá G., Hewer B., Fraser J., Rickard C.M. Securement methods for peripheral venous catheters to prevent failure: a randomised controlled pilot trial. J Vasc Access 2015; 16 (3): 237-244.

4 Chopra V, Flanders SA, Saint S, et al. The Michigan Appropriateness Guide for Intravenous Catheters (MAGIC): Results from a Multispecialty Panel Using the RAND/UCLA Appropriateness Method. Annals of Internal Medicine 2015; 163(6): Supplement.

5 Adams V. The midline catheter: a clinical review. The Journal of Emergency Medicine, Vol. 51, No. 3, pp. 252-258, 2016

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For further information, please contact: questions@vygon.com

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