

VASCULAR MANAGEMENT

VASCULAR ACCESS

smart**midline**

CT-rated midline



Value Life

Why a midline?

MORE THAN 250 MILLION PIVS* AND 300,000 PICC ARE PLACED EACH YEAR IN EUROPE.¹

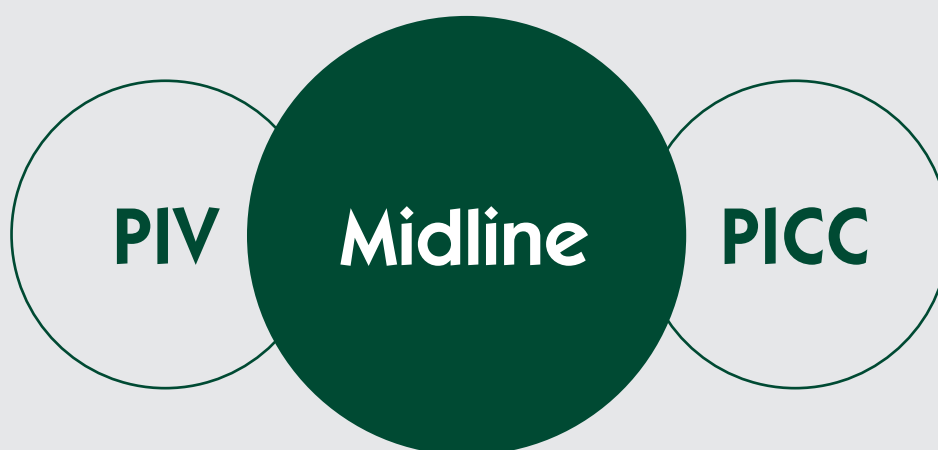
But are they always the most suitable devices?

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 indication

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

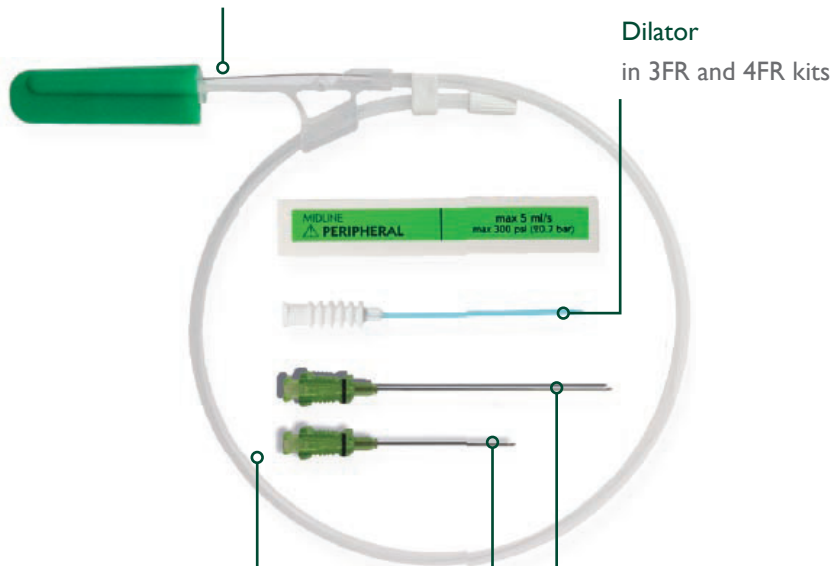
DIVA = Difficult Intravenous Access

Introducing smartmidline™

EASIEST INSERTION, MULTIPLE SIZES, CT-RATED

Direct Seldinger technique

Easy and quick to insert
Allows access to small veins



Dilator
in 3FR and 4FR kits

Flexible guidewire
Reduces the risk of vein trauma Available in Nitinol or stainless steel

21 Ga Echogenic Needle
Echogenic tip for improved visibility under ultrasound Available in 4 and 7 cm

New, "Midline power injectable up to 5cc/s" labeling on clamp

Integrated extension line

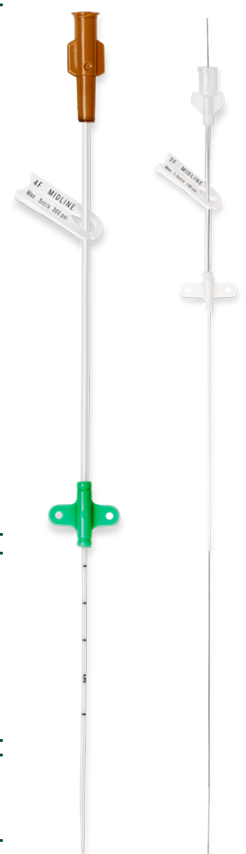
- Keeps handlings away from the insertion site, reducing the risk of infection
- Improves catheter fixation, reducing the risk of phlebitis

CT-rated
Up to 7 ml/s

From 4 cm to 25 cm / from 2Fr to 5Fr

Adapted to all users needs

Profiled atraumatic tip
Reduces the risk of thrombosis



For optimal outcomes, to be used with:



Vysion Andy:

Vysion Andy Ultrasound System
Codes IYO8H043-01 (Wireless Black & White Small Linear) ,
IYO8H043-02 (Wireless Black & White Small Linear with DICOM),
IYO8H033-01 (Wireless Color Small Linear with DICOM), 3YO8D001 (DICOM (option))



VYSET insertion Sets

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



griplok Securement Device

Code 00580404

Catheter size (Fr)	Catheter length (cm)	Max flowrate (ml/s)	Needle length (cm)	Dilator	Guidewire	
					Stainless steel	Nitinol
2	4	1.5	4.5	-	0001281204	-
	6			-	0001281206	00012812062
	8	1		-	0001281208	00012812082
	10			-	0001281210	-
	15	0.5		-	0001281215	-
	20			-	0001281220	-
3	6	1.5	4 and 7	✓	0001281306	-
	8			✓	0001281308	00012813082
	10			✓	0001281310	00012813102
	12	1		✓	0001281312	00012813122
	15			✓	0001281315	-
	20			✓	0001281320	-
4	8	5	7	✓	0001281408	00012814082
	10			✓	0001281410	00012814102
	12			✓	0001281412	00012814122
	15			✓	0001281415	00012814152
	20			✓	0001281420	00012814202
	25			✓	0001281425	00012814252
5	15	7	0001281515*			
	20		0001281520*			

04/2026 - V00282 v7

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

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., Mihala 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

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

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