

# Nouvo Safety Set



## Safety IV Cannula with Extension Tube Closed System



Reduces  
Catheter Related  
Blood Stream  
Infections (CRBSI)



Prevents  
Needle Stick  
Injuries &  
exposure to  
blood borne  
pathogens



Avoids  
risk factors  
related to  
difficult venous  
access



Prevents  
IV Catheter  
dislodgement  
& associated  
complications

Follow us



with *AdVa* Needle Technology

## Challenges faced during the patient care

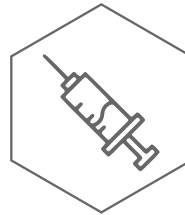
An integrated closed system to meet your needs for patient safety during IV therapy & to shield you from blood borne pathogen exposure.



### Catheter Related Blood Stream Infections (CRBSI) and patient safety goals

It continues to place a heavy burden on patients and healthcare providers.

87% of blood stream infections are associated with the presence of an intravascular device.<sup>1</sup>



### Needle Stick Injuries & exposure to blood borne pathogens

Needle stick injuries (NSIs) are one of the most anxiety-provoking occupation-related work hazards, due to a risk of exposure to blood borne pathogens in the patient's blood.

The World Health Organization (WHO) estimates that each year, 3 million HCW experience percutaneous exposure to bloodborne pathogens (2 million to HBV, 0.9 million to HCV, and 170,000 to HIV).<sup>2</sup>



### Prevalence & risk factors of difficult venous access

Difficult Peripheral Intravenous Cannulation can produce pain and delay the start of treatment. Repeated punctures can degrade vascular walls, complicating subsequent approaches.<sup>3,4</sup>

The first attempt at peripheral intravenous catheterization fails in 12-26% of adults and 24-54% of children.<sup>5</sup>



### IV Catheter dislodgement & associated complications

Accidental dislodgement leads to PIV restarts, treatment interruptions and delays, costs staff's time and causes patient anxiety and increases risk of bleeding, hematoma, infection, infiltration and trauma.<sup>6</sup>

Dislodgement or accidental removal is stated to be cause behind 6%-20% of catheter failures.<sup>7</sup>

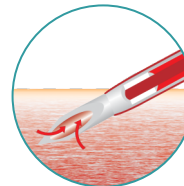
Increased peripheral IV catheter complication = Increased cost of care<sup>8,9</sup>

## Nouvo Safety Set - Integration of multiple standalone technologies

Needle Free Connector reduces the risk of Catheter Related Bloodstream Infections (CRBSI)



User friendly, self activating passive safety mechanism prevents Needle Stick Injuries



Quick Flashback Needle Technology ensures successful venipuncture



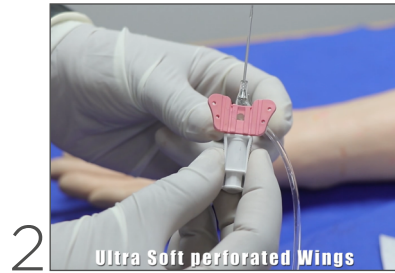
Ultra soft large perforated wings for better catheter stabilization & skin ventilation

## Nouvo Safety Set



**1 Prepare The Equipments for PIVC insertion**

Prepare the equipment



**2 Ultra Soft perforated Wings**

The Ultra soft larger perforated wings provide a better stabilization platform, which avoids catheter dislocation.

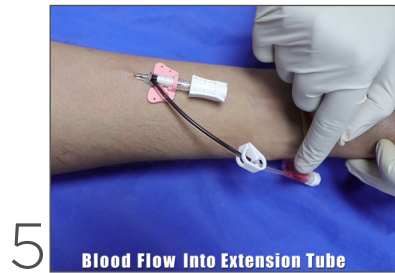


**3** Withdraw the Needle slightly back and place it back to the original place to ensure the smooth functioning



**4 Quick Flashback (Adya) Technology for early confirmation**

Quick flashback observed in the catheter itself, advance it further into the vein. Helps in minimizing the chances of multiple venipuncture & helps in accessing the difficult veins



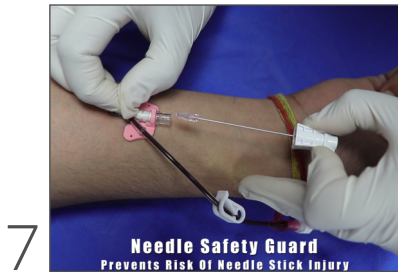
**5 Blood Flow Into Extension Tube**

Secondary flashback in the extension tubing



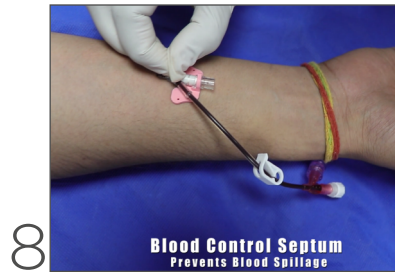
**6 Close The Clamp**

Close the Clamp



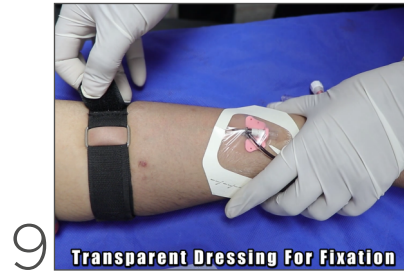
**7 Needle Safety Guard Prevents Risk Of Needle Stick Injury**

While removing the needle, the safety guards activates passively, it helps in preventing accidental needle stick injuries.



**8 Blood Control Septum Prevents Blood Spillage**

Blood Control Mechanism helps in preventing blood spillage during the procedure



**9 Transparent Dressing For Fixation**

Use Transparent Dressing for fixation



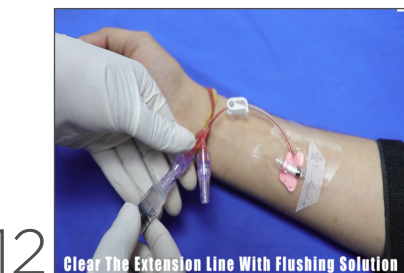
**10 Prime The Additional Needle free Connector (Micropolyte Clear Clave)**

Prime the additional needle free connector provided in the kit



**11 Attach The Needle Free Connector (Micropolyte Clear Clave)**

Attach the additional needle free connector



**12 Clear The Extension Line With Flushing Solution**

Clear the extension tubing using the Polyflush pre-filled syringe & secure the extension tubing properly on to the patient's hand.

## Ordering Information

Reference Code	Product Name	Gauge Size	Catheter Length (mm)	Catheter ID (mm)	Catheter OD (mm)	Gravity Flow Rate (mL/min)	Inner Box Quantity	Master Box Quantity
11981	Nouvo safety set with double Micro Polysyte Clear (Clave® connector)	18G	32	0.9	1.3	84	20	80
11983	Nouvo safety set with double Micro Polysyte Clear (Clave® connector)	20G	32	0.8	1.1	58	20	80
11984	Nouvo safety set with double Micro Polysyte Clear (Clave® connector)	22G	25	0.6	0.9	33	20	80
11985	Nouvo safety set with double Micro Polysyte Clear (Clave® connector)	24G	19	0.5	0.7	18	20	80
11986	Nouvo safety set with double Micro Polysyte Clear (Clave® connector)	26G	19	0.4	0.6	15	20	80

## References

1. Charnete Casimero, Todd Ruddock, Catherine Hegarty, Robert Barber, Amy Devine, James Davis. Minimising Blood Stream Infection: Developing New Materials for Intravascular Catheters. PMID: 32858838, PMCID: PMC7554993, DOI:10.3390/medicines7090049.
2. Rapiti, Elisabetta, and Yvan JF Hutin. "Sharps Injuries: Global burden of disease from sharps injuries to health-care workers." 2003).
3. Rodriguez-Calero MA, Fernandez-Fernandez I, MoleroBallester LJ, et al. Risk factors for difficult peripheral venous cannulation in hospitalised patients. Protocol for a multicentre case-control study in 48 units of eight public hospitals in Spain. BMJ Open 2018;8:e020420. doi:10.1136/bmjopen-2017-020420.
4. Miguel Angel Rodríguez-Calero, et al. Defining risk factors associated with difficult peripheral venous Cannulation: A systematic review and meta-analysis. Heart & Lung 49 (2020) 273-286.
5. Sabri, Armin, et al. "Failed attempts and improvement strategies in peripheral intravenous catheterization." Bio-medical materials and engineering 23.1-2 (2013): 93-108.
6. News from PICC Excellence: Patients are at Risk for Accidental Dislodgement of IV Catheters, study shows, Vascular access survey documents prevalence of often unrecognized patient safety issue. HARTWELL, Ga., Jan. 9, 2019 /PRNewswire/.
7. Fadziruddin, Zubair Faramir Zainul, Adi Azriff Basri, and Ernie Illyani Basri. "Review on Dislodgement & Securement Risk of Peripheral Intravenous Catheter/Cannula and The Needs of PIVC Securement Device.
8. López, JL González, et al. "Indwell times, complications and costs of open vs closed safety peripheral intravenous catheters: a randomized study." Journal of Hospital Infection 86.2 (2014): 117-126.
9. Kleven, R. Monina, et al. "Estimating health care-associated infections and deaths in US hospitals, 2002." Public health reports 122.2 (2007): 160-166.

### Sales & Marketing Office:

Poly Medicure Limited

232-B, 3rd Floor, Okhla Industrial Estate, Phase-III, New Delhi - 110020, INDIA

Tel: +91-11-33550700, 47317000 | Fax: +91-11-26321894/1839

Customer Care no.: +91-129-4287053 | info@polymedicure.com

### Europe Representative Office:

Via Pietro, Verri 1,

Business Center BOMa,

Build 1C 46100, Mantova. Italy

polymed.eu@polymedicure.com



Boulevard Général Wahis 53

1030 Brussels, BELGIUM

Tel. : + (32) 27325954

E-mail : mail@obelis.net



[www.polymedicure.com](http://www.polymedicure.com)