

# Information for Clinical Choice Matrix and Support Document

## Safety Integrated IV Cannula System

### Support Document

#### Introduction

Information for Clinical Choice (ICC) has been developed to assist clinicians in the decision-making process when assessing the suitability of a product by providing a clear illustration and description of the features of a range of similar products supplied through NHS Supply Chain. The criteria provided, in the form of a Product Matrix and Support Document, is the result of a product review, conducted by DHLs Clinical Procurement and Quality Assurance Team, with support from clinical stakeholders from across the NHS.

The aim, alongside delivering savings back into NHS frontline services, is to ensure that clinical choice remains at the forefront of any product switching decision.

#### Intravenous (IV) Cannula and Associated Products: Safety Integrated IV Cannula System

A Safety Peripheral Intravenous Cannula or Catheter (SPIVC) is a vascular access medical device which is directly threaded into a vessel after venepuncture with a needle, known as a stylet (“catheter over the needle” configuration).<sup>1,4</sup>

SPIVC is intended for the purpose of administering intravenous (IV) therapy such as IV fluids or medications, directly into a blood vessel or obtain a blood sample at the time of insertion.<sup>1,2,4</sup>

Intended for short-term therapy lasting less than a week. Bolus injections or short infusions <sup>4</sup>

#### Safety integrated cannula with wings

Safety integrated cannula with wings known as closed IV catheter systems, is a type of SPIVC with preassembled or integrated components into the catheter such as bilateral wings, as a stabilisation platform, and an extension set with a needle-free access which could have single or double port(s).

Safety integrated cannula have been shown to:

- Reduce phlebitis
- Reduce infiltration
- Reduce costs by increasing functional dwell time – Value based procurement
- Reduce blood exposure during insertion compared to an open system<sup>2</sup>
- The wings reduce dislodgement by 84% and complies with the Infusion Therapy Standards of Practice and CDC guidelines for catheter stabilisation<sup>2</sup>

## Safety mechanism Features

- **Active Mechanism** - The Practitioner must push a button to activate safety feature.
- **Passive Mechanism** - The Stylet has a blunting or shielding feature which is automatically activated on removal from the cannula.

## Blood control and non-blood control

Blood Control mechanism mimics venous valves encouraging unidirectional flow of blood, preventing pooling of blood thereby avoiding leakage out from the cannula at insertion.

## Fenestrated and Non-Fenestrated (Small openings or holes near the tip of the catheter)

- Allows fluid to exit the catheter in addition to that which normally exits through the main opening at the tip of the catheter.
- Fenestrated IV catheter is useful in terms of higher vascular attenuation and lower injection pressure for coronary computed tomography angiography.
- It has potential merit in patients with fragile and small veins.

## Needle-free connectors Aurum Compatibility

Ensure interoperability and safe connectivity with Aurum glass syringes, without breakage or product performance failure to deliver on-the-spot administration of drugs where high visibility and simple drug identification is crucial.

## Power Injection

Allows reliability in the delivery of rapid flow rates, such as contrast media via a high-powered automated injector to improve diagnostic accuracy.

## Radiopaque





Refers to the dense property that absorbs and resists passage of X-rays thus influencing the radiological image obtained.







## Subcutaneous Catheter

Allows indwelling subcutaneous insertion for delivery of medicines subcutaneously and decreases trauma, distress and discomfort for the patients with challenging IV Access.

## Material

- **PUR** – Polyurethane for softer and more comfortable indwelling performance
- **FEP** - Fluoro Ethylene Propylene

Safety Integrated Single Port Cannula with Wings 20G x 25mm				
Supplier	Becton Dickinson UK Ltd	Becton Dickinson UK Ltd	Smiths Medical International Ltd	Smiths Medical International Ltd
Brand	BD Nexiva	BD Nexiva Diffusics	DeltaVen	DeltaVen
MPC	383516	383693	3835222	3835422
NPC	FSP4776	FSP2640	FSP4210	FSP4221
Description	Safety Integrated Cannula with Wings 20G x 25mm	Safety Integrated Cannula with Wings 20G x 25mm	Safety Integrated Cannula with Wings 20G x 25mm	Safety Integrated Cannula with Wings 20G x 25mm
Picture				
Route	eDirect	Stocked	Blue Diamond	Blue Diamond
UOI	80	20	100	80
Safety mechanism	Passive	Passive	Passive	Passive
Cannula and catheter length ranges	Range from 18G x 32mm to 24G x 19mm	Range from 18G x 32mm to 24G x 19mm	Range from 16G x 32mm to 26G x 19mm	Range from 16G x 32mm to 26G x 19mm
Gravity flow rate	61 mL/min	68 mL/min	47 mL/min	47 mL/min
Power injectable	✓	✓	✓	✓
Power injectable (psi)	300 psi	325 psi	330 psi	330 psi
Power injectable flow rate	4 mL/sec	10 mL/sec	8 mL/sec	8 mL/sec
Radiopaque catheter (PUR/FEP)	Yes PUR	Yes PUR	Yes PUR	Yes PUR
DEHP-free catheter	✓	✓	✓	✓
Latex-free	✓	✓	✓	✓
Transparent flashback chamber	✓	✓	✓	✓
Spare needle free connector	✓	✗	✗	✗
Needle free connector Aurum syringe-compatible	Yes with luer adapter	Yes with luer adapter	✗	✓
Integrated extension length	114.3 mm	123.2 mm	110 mm	110 mm
Blood control	✓	✓	✓	✓
Subcutaneous use	✗	✗	✓	✓
Fenestrated or non-fenestrated cannula	Non-fenestrated	Fenestrated	Non-fenestrated	Non-fenestrated

Safety Integrated Dual Ported Cannula with Wings 20G x 25mm						
Supplier	Becton Dickinson UK Ltd	Becton Dickinson UK Ltd	Smiths Medical International Ltd	Smiths Medical International Ltd	GBUK Healthcare Ltd	GBUK Healthcare Ltd
Brand	BD Saf-T-Intima	BD Nexiva	DeltaVen	DeltaVen	Integrated	Nouvo Safety Set
MPC	383339	383536	3831022	3831522	SICW2032-GSC	SICW2032DNF
NPC	FSP329	FSP2237	FSP4232	FSP4243	FSP4955	FSP20044
Description	Safety Integrated Cannula with Wings 20G x 25mm with Y Connector	Safety Integrated Cannula with Wings 20G x 25mm with Y Connector	Safety Integrated Cannula with Wings 20G x 25mm with Y Connector	Safety Integrated Cannula with Wings 20G x 25mm with Y Connector	Safety Integrated Cannula with Wings 20G x 25mm with Y Connector	Safety Integrated Cannula with Wings 20G x 25mm with Y Connector
Picture						
Route	Stocked	Stocked	Blue Diamond	Blue Diamond	Stocked	Blue Diamond
UOI	25	1	100	80	20	20
Safety mechanism	Passive	Passive	Passive	Passive	Passive	Passive
Cannula and catheter length ranges	Range from 18G x 32mm to 24G x 19mm	Range from 18G x 32mm to 24G x 19mm	Range from 16G x 32mm to 26G x 19mm	Range from 16G x 32mm to 26G x 19mm	Range from 18G x 32mm to 24G x 19mm	Range from 18G x 32mm to 24G x 19mm
Gravity flow rate	55 mL/min	61 mL/min	47 mL/min	47 mL/min	56 mL/min	56 mL/min
Power injectable	✗	✓	✓	✓	✓	✓
Power injectable (psi)	N/A	300 psi	330 psi	330 psi	325-330 psi	325-330 psi
Power injectable flow rate	N/A	4 mL/sec	8 mL/sec	8 mL/sec	Not available	Not available
Radiopaque catheter (PUR/FEP)	Yes PUR	Yes PUR	Yes PUR	Yes PUR	Yes PUR	Yes PUR
DEHP-free catheter	✓	✓	✓	✓	✓	✓
Latex-free	✓	✓	✓	✓	✓	✓
Transparent flashback chamber	✓	✓	✓	✓	✓	✓
Spare needle free connector	✓	✓	✗	✓	✓	✓
Needle free connector Aurem compatible	Yes with luer adapter	✓	✗	✗	✓	✗
Integrated extension length	82.5 mm	114.3 mm	110 mm	110 mm	100 mm	100 mm
Blood control	✓	✓	✓	✓	✓	✓
Subcutaneous use	✓	✗	✓	✓	✓	✓
Fenestrated or non-fenestrated cannula	Non-fenestrated	Non-fenestrated	Non-fenestrated	Non-fenestrated	Non-fenestrated	Non-fenestrated



Safety Integrated Single Ported Cannula with Wings 16G x 32mm		
Supplier	Smiths Medical	Smiths Medical
Brand	DeltaVen	DeltaVen
MPC	3856222	3856422
NPC	FSP4216	FSP4227
Description	Safety Integrated Cannula With Wings 16G x 32mm Single Port with End Cap	Safety Integrated Cannula With Wings 16G x 32mm Single Port with Stopcock and Needle Free Connector
Route	Blue Diamond	Blue Diamond
UOI	100	80

Safety Integrated Single Ported Cannula with Wings 18G x 25mm		
Supplier	Smiths Medical	Smiths Medical
Brand	DeltaVen	DeltaVen
MPC	3845222	3845422
NPC	FSP4213	FSP4224
Description	Safety Integrated Cannula With Wings 18G x 25mm Single Port with End Cap	Safety Integrated Cannula With Wings 18G x 25mm Single Port with Stopcock and Needle Free Connector
Route	Blue Diamond	Blue Diamond
UOI	100	80

Safety Integrated Single Ported Cannula with Wings 18G x 32mm				
Supplier	Becton Dickinson UK Ltd	Becton Dickinson UK Ltd	Smiths Medical International Ltd	Smiths Medical International Ltd
Brand	BD Nexiva	BD Nexiva Diffusics	DeltaVen	DeltaVen
MPC	383519	383695	3846222	3846422
NPC	FSP4777	FSP4523	FSP4214	FSP4225
Description	Safety Integrated Cannula With Wings 18G x 32mm Single Port PUR Not for subcutaneous use	Safety Integrated Cannula With Wings 18G x 32mm for Radiology Not for subcutaneous use	Safety Integrated Cannula With Wings 18G x 32mm Single Port with End Cap	Safety Integrated Cannula With Wings 18G x 32mm Single Port with Stopcock with Needle Free Connector
Route	eDirect	eDirect	Blue Diamond	Blue Diamond
UOI	80	20	100	80



Safety Integrated Single Ported Cannula with Wings 18G x 45mm		
Supplier	Smiths Medical	Smiths Medical
Brand	DeltaVen	DeltaVen
MPC	3847222	3847422
NPC	FSP4215	FSP4226
Description	Safety Integrated Cannula With Wings 18G x 45mm Single Port with End Cap	Safety Integrated Cannula With Wings 18G x 45mm Single Port with Stopcock and Needle Free Connector
Route	Blue Diamond	Blue Diamond
UOI	100	80

Safety Integrated Single Ported Cannula with Wings 20G x 32mm			
Supplier	Becton Dickinson	Smiths Medical	Smiths Medical
Brand	BD Nexiva Diffusics	DeltaVen	DeltaVen
MPC	383694	3836222	3836422
NPC	FSP2641	FSP4211	FSP4222
Description	Safety Integrated Cannula With Wings 20G x 32mm Single Port for radiology Not for subcutaneous use	Safety Integrated Cannula With Wings 20G x 32mm Single Port with End Cap	Safety Integrated Cannula With Wings 20G x 32mm Single Port with Stopcock and Needle Free Connector
Route	Stocked	Blue Diamond	Blue Diamond
UOI	20	100	80

Safety Integrated Single Ported Cannula with Wings 20G x 45mm		
Supplier	Smiths Medical	Smiths Medical
Brand	DeltaVen	DeltaVen
MPC	3837222	3837422
NPC	FSP4212	FSP4223
Description	Safety Integrated Cannula With Wings 20G x 45mm Single Port with End Cap	Safety Integrated Cannula With Wings 20G x 45mm Single Port with Stopcock and Needle Free Connector
Route	Blue Diamond	Blue Diamond
UOI	100	80



Safety Integrated Single Ported Cannula with Wings 22G x 19mm			
Supplier	Becton Dickinson	Smiths Medical	Smiths Medical
Brand	BD Saf-T-Intima	DeltaVen	DeltaVen
MPC	383328	3824222	3824422
NPC	FSP319	FSP4208	FSP4219
Description	Safety Integrated Cannula With Wings 22G x 19mm With PRN adapter PUR 6.7cm tube also for subcutaneous use	Safety Integrated Cannula With Wings 22G x 19mm Single Port with End Cap Suitable for Subcutaneous Infusion	Safety Integrated Cannula With Wings 22G x 19mm Single Port with Stopcock and Needle Free Connector Suitable for Subcutaneous Infusion
Route	Stocked	Blue Diamond	Blue Diamond
UOI	25	100	80

Safety Integrated Single Ported Cannula with Wings 22G x 25mm				
Supplier	Becton Dickinson UK Ltd	Becton Dickinson UK Ltd	Smiths Medical International Ltd	Smiths Medical International Ltd
Brand	BD Nexiva	BD Nexiva Diffusics	DeltaVen	DeltaVen
MPC	383512	383692	3825222	3825422
NPC	FSP4775	FSP2639	FSP4209	FSP4220
Description	Safety Integrated Cannula With Wings 22G x 25mm Single Port PUR Not for subcutaneous use	Safety Integrated Cannula With Wings 22G x 25mm for radiology Not for subcutaneous use	Safety Integrated Cannula With Wings 22G x 25mm Single Port with End Cap	Safety Integrated Cannula With Wings 22G x 25mm Single Port with Stopcock and Needle Free Connector
Route	eDirect	Stocked	Blue Diamond	Blue Diamond
UOI	80	20	100	80



Safety Integrated Single Ported Cannula with Wings 24G x 19mm						
Supplier	Becton Dickinson	Becton Dickinson	Becton Dickinson	Smiths Medical	Smiths Medical	Smiths Medical
Brand	BD Nexiva Diffusics	BD Saf-T-Intima	BD Nexiva	DeltaVen	DeltaVen	DeltaVen
MPC	383691	383318	383511	3814422	3814222	3814422
NPC	FSP2638	FSP3559	FSP4774	FSP4218	FSP4207	FSP4218
Description	Safety Integrated Cannula With Wings 24G x 19mm for radiology	Safety Integrated Cannula With Wings 24G x 19mm With PRN adapter PUR	Safety Integrated Cannula With Wings 24G x 19mm Single Port PUR Not for subcutaneous use	Safety Integrated Cannula With Wings 24G x 19mm Single Port with Stopcock and Needle Free Connector and Suitable for Subcutaneous Infusion	Safety Integrated Cannula With Wings 24G x 19mm Single Port with End Cap Suitable for Subcutaneous Infusion	Safety Integrated Cannula With Wings 24G x 19mm Single Port with Stopcock and Needle Free Connector and Suitable for Subcutaneous Infusion
Route	Stocked	Stocked	eDirect	Blue Diamond	Blue Diamond	Blue Diamond
UOI	20	Each	80	80	100	80

Safety Integrated Single Ported Cannula with Wings 26G x 19mm	
Supplier	Smiths Medical
Brand	DeltaVen
MPC	3804422
NPC	FSP4217
Description	Safety Integrated Cannula With Wings 26G x 19mm Single Port with Stopcock and Needle Free Connector Suitable for Subcutaneous Infusion
Route	Blue Diamond
UOI	80





Safety Integrated Dual Ported Cannula with Wings 16G x 32mm	
Supplier	Smiths Medical
Brand	DeltaVen
MPC	3852522
NPC	FSP4943
Description	Safety Integrated Cannula With Wings 16G x 32mm Dual Port with dual Needle Free Connector
Route	Blue Diamond
UOI	80

Safety Integrated Dual Ported Cannula with Wings 18G x 25mm			
Supplier	Becton Dickinson	Smiths Medical	Smiths Medical
Brand	BD Saf-T-Intima w/ Y Adapter	DeltaVen	DeltaVen
MPC	383348	3841022	3841522
NPC	FSP4522	FSP4235	FSP4246
Description	Safety Integrated Cannula With Wings 18G x 25mm with Y connector also for subcutaneous use	Safety Integrated Cannula With Wings 18G x 25mm Dual Port with End Caps	Safety Integrated Cannula With Wings 18G x 25mm Dual Port with Dual Needle Free Connector
Route	eDirect	Blue Diamond	Blue Diamond
UOI	25	100	80

Safety Integrated Dual Ported Cannula with Wings 18G x 32mm					
Supplier	Becton Dickinson	GBUK	GBUK	Smiths Medical	Smiths Medical
Brand	BD Nexiva	Nouvo Safety Set	Integrated	DeltaVen	DeltaVen
MPC	383539	SICW1832DNF	SICW1832-GSC	3842022	3842522
NPC	FSP2238	FSP20042	FSP4954	FSP4236	FSP4247
Description	Safety Integrated Cannula With Wings 18G x 32mm with Y Connector PUR Not for subcutaneous use	Safety Integrated Cannula With Wings 18G x 32mm PUR Catheter with PU Extension tubing and wing Y site C-Clamp FB chamber with filter and 2 needlefree microsite connectors	Safety Integrated Cannula With Wings 18G x 32mm PUR Y-site with flashback and filter and 2 needlefree connectors	Safety Integrated Cannula With Wings 18G x 32mm Dual Port with End Caps NON RETURNABLE	Safety Integrated Cannula With Wings 18G x 32mm Dual Port with Dual Needle Free Connector NON RETURNABLE
Route	Stocked	eDirect	Stocked	eDirect	eDirect
UOI	Eaches	20	20	100	80



Safety Integrated Dual Ported Cannula with Wings 18G x 45mm			
Supplier	Becton Dickinson	Smiths Medical	Smiths Medical
Brand	BD Nexiva Dual Port	DeltaVen	DeltaVen
MPC	383540	3843022	3843522
NPC	FSP4521	FSP4238	FSP4248
Description	Safety Integrated Cannula With Wings 18G x 45mm dual port with needlefree connector and Instaflash Not for subcutaneous use	Safety Integrated Cannula With Wings 18G x 45mm Dual Port with End Caps NON RETURNABLE	Safety Integrated Cannula With Wings 18G x 45mm Dual Port with Dual Needle Free Connector NON RETURNABLE
Route	eDirect	eDirect	eDirect
UOI	20	100	80

Safety Integrated Dual Ported Cannula with Wings 20G x 32mm					
Supplier	Becton Dickinson	GBUK	GBUK	Smiths Medical	Smiths Medical
Brand	BD Nexiva Dual Port	Nouvo Safety Set	Integrated	DeltaVen	DeltaVen
MPC	383537	SICW2032DNF	SICW2032-GSC	3832022	3832522
NPC	FSP4519	FSP20044	FSP4955	FSP4233	FSP4244
Description	Safety Integrated Cannula With Wings 20G x 32mm dual port with needlefree connector and Instaflash Not for subcutaneous use	Safety Integrated Cannula With Wings 20G x 32mm PUR catheter with PU Extension tubing and wing Y site C-Clamp FB Chamber with filter and 2 needlefree microsite connectors	Safety Integrated Cannula With Wings 20G x 32mm PUR Y-site with flashback and filter and 2 needlefree connectors	Safety Integrated Cannula With Wings 20G x 32mm Dual Port with End Caps NON RETURNABLE	Safety Integrated Cannula With Wings 20G x 32mm Dual Port with Dual Needle Free Connector NON RETURNABLE
Route	eDirect	eDirect	Stocked	eDirect	eDirect
UOI	20	20	20	100	80

Safety Integrated Dual Ported Cannula with Wings 20G x 45mm				
Supplier	Becton Dickinson UK Ltd	Smiths Medical International Ltd	Smiths Medical International Ltd	Smiths Medical International Ltd
Brand	BD Nexiva Dual Port	DeltaVen	DeltaVen	DeltaVen
MPC	383538	3833022	3833522	3833022
NPC	FSP4520	FSP4234	FSP4245	FSP4234
Description	Safety Integrated Cannula With Wings 20G x 45mm dual port with needlefree connector and Instaflash Not for subcutaneous use	Safety Integrated Cannula With Wings 20G x 45mm Dual Port with End Caps	Safety Integrated Cannula With Wings 20G x 45mm Dual Port with Dual Needle Free Connector	Safety Integrated Cannula With Wings 20G x 45mm Dual Port with End Caps
Route	eDirect	Blue Diamond	Blue Diamond	Blue Diamond
UOI	20	100	80	100



Safety Integrated Dual Ported Cannula with Wings 22G x 14mm	
Supplier	Becton Dickinson
Brand	BD Nexiva Dual Port
MPC	383530
NPC	FSP4518
Description	Safety Integrated Cannula With Wings 24G x 14mm dual port with needlefree connector and Instaflash Not for subcutaneous use
Route	eDirect
UOI	20

Safety Integrated Dual Ported Cannula with Wings 22G x 19mm			
Supplier	Becton Dickinson	Smiths Medical	Smiths Medical
Brand	BD Saf-T-Intima	DeltaVen	DeltaVen
MPC	383329	3820022	3820522
NPC	FSP325	FSP4230	FSP4241
Description	Safety Integrated Cannula With Wings 22G x 19mm with Y Connector PUR 6.7cm tube also for subcutaneous use	Safety Integrated Cannula With Wings 22G x 19mm Dual Port with End Caps Suitable for Subcutaneous Infusion	Safety Integrated Cannula With Wings 22G x 19mm Dual Port with Dual Needle Free Connector Suitable for Subcutaneous Infusion
Route	Stocked	eDirect	eDirect
UOI	25	100	80

Safety Integrated Dual Ported Cannula with Wings 22G x 25mm					
Supplier	Becton Dickinson	GBUK	GBUK	Smiths Medical	Smiths Medical
Brand	BD Nexiva	Nouvo Safety Set	Integrated	DeltaVen	DeltaVen
MPC	383532	SICW2225DNF	SICW2225-GSC	3821022	3821522
NPC	FSP2236	FSP4655	FSP4956	FSP4231	FSP4242
Description	Safety Integrated Cannula With Wings 22G x 25mm with Y Connector PUR Not for subcutaneous use	Safety Integrated Cannula With Wings 22G x 25mm PUR catheter with PU Extension tubing and wing Y site C-Clamp FB Chamber with filter and 2 needlefree microsite connectors	Safety Integrated Cannula With Wings 22G x 25mm PUR Y-site with flashback and filter and 2 needlefree connectors	Safety Integrated Cannula With Wings 22G x 25mm Dual Port with End Caps NON RETURNABLE	Safety Integrated Cannula With Wings 22G x 25mm Dual Port with Dual Needle Free Connector NON RETURNABLE
Route	Stocked	eDirect	Blue Diamond	eDirect	eDirect
UOI	Eaches	20	20	100	80



Safety Integrated Dual Ported Cannula with Wings 24G x 19mm						
Supplier	Becton Dickinson	Becton Dickinson	Becton Dickinson	Smiths Medical	Smiths Medical	Smiths Medical
Brand	BD Nexiva Diffusics	BD Saf-T-Intima	BD Nexiva	DeltaVen	DeltaVen	DeltaVen
MPC	383691	383318	383511	3814422	3814222	3814422
NPC	FSP2638	FSP3559	FSP4774	FSP4218	FSP4207	FSP4218
Description	Safety Integrated Cannula With Wings 24G x 19mm for radiology	Safety Integrated Cannula With Wings 24G x 19mm With PRN adapter PUR	Safety Integrated Cannula With Wings 24G x 19mm Single Port PUR Not for subcutaneous use	Safety Integrated Cannula With Wings 24G x 19mm Single Port with Stopcock and Needle Free Connector and Suitable for Subcutaneous Infusion	Safety Integrated Cannula With Wings 24G x 19mm Single Port with End Cap Suitable for Subcutaneous Infusion	Safety Integrated Cannula With Wings 24G x 19mm Single Port with Stopcock and Needle Free Connector and Suitable for Subcutaneous Infusion
Route	Stocked	Stocked	eDirect	Blue Diamond	Blue Diamond	Blue Diamond
UOI	20	Each	80	80	100	80

Safety Integrated Dual Ported Cannula with Wings 26G x 19mm		
Supplier	Smiths Medical	Smiths Medical
Brand	DeltaVen	DeltaVen
MPC	3800522	3800022
NPC	FSP4239	FSP4228
Description	Safety Integrated Cannula With Wings 26G x 19mm Dual Port with Dual Needle Free Connector Suitable for Subcutaneous Infusion	Safety Integrated Cannula With Wings 26G x 19mm Dual Port with End Caps and Suitable for Subcutaneous Infusion
Route	Blue Diamond	Blue Diamond
UOI	80	100



## References:

1. Clinical Review: Safety peripheral intravenous cannula (2018) NHS Clinical Evaluation Team [https://wwwmedia.supplychain.nhs.uk/media/Clinical\\_Review\\_Safety\\_Peripheral\\_Intravenous\\_Cannula\\_Report\\_October\\_2018.pdf](https://wwwmedia.supplychain.nhs.uk/media/Clinical_Review_Safety_Peripheral_Intravenous_Cannula_Report_October_2018.pdf)
2. Gorski LA, Hadaway L, Hagle ME, et al. Infusion therapy standards of practice. *Journal of Infusion Nursing*. 2021;44(suppl 1): S1-S224. doi:10.1097/NAN.0000000000000396 <https://gavacelt.it/nuovo/sites/default/files/uploads/Infusion%20Therapy%20Standards%20of%20Practice%202021.pdf>
3. Health and Safety Executive (HSE) (2013) *Health and Safety (Sharp Instruments in Healthcare) Regulations: Guidance for Employers and Employees*. London: Health and Safety Executive.

Lister, S., Hofland, J. and Grafton H. (eds) (2020) *The Royal Marsden Manual*

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