

Crosswalk for GrandView to Omnicare's Nurses' Infusion Therapy Procedure Manual for Long Term Care Facilities

Topic	GrandView Manual	Omnicare Manual	Rationale for Revision/ Addition or Deletion
Terminology	<p>CVC – Central Venous Catheter</p> <p>Long peripheral catheters</p> <p>Access Device</p> <p>Midclavicular catheters</p>	<p>CVAD – Central Vascular Access Device</p> <p>CVAD or PICC – Peripherally Inserted Central Catheter</p> <p>Needleless Connector</p> <p>No reference is made to this type of catheter</p>	<ul style="list-style-type: none"> - Verbiage revision reflects industry standard verbiage, per 2016 INS Standards of Practice - Midclavicular length of catheters is not acceptable per Standards of Practice, due to potential complications
Flushing/Locking of Vascular Access Devices	IV Flush Chart	Infusion Table	
<p><i>Note: Flushing/Locking amounts below reflect only the potential difference between our two protocols and are for minimal maintenance only. Always flush/lock a Vascular Access Device (VAD) before and after any IV medication administration, and PRN blood back up, etc.</i></p>			
Short PIV	5ml NS pre/post infusion and q8hr	10ml NS pre/post infusion & q12hr	NS flushes kept at 10ml for all catheters types for consistency.
Midline & PICC	5ml NS pre/post infusion and q8hr	<p>Valved – 10ml NS pre/post infusion & weekly for maintenance of unused lumens</p> <p>Non-Valved- 10ml NS pre/post infusion followed with Heparin 5ml (10unit/ml) and q12hr with NS and heparin for maintenance of unused lumens</p>	Heparin concentration and frequency reflect 2016 INS Standards of Practice
Non-Tunneled CVAD	<p>Valved – 5ml NS pre/post infusion and weekly for maintenance.</p> <p>Non-Valved - 5ml NS pre/post infusion followed with heparin 5ml (10units/ml) and NS and heparin q24hr for maintenance of unused lumens.</p>	<p>Valved – 10ml NS pre/post infusion & weekly for maintenance of unused lumens</p> <p>Non-Valved- 10ml NS pre/post infusion followed with Heparin 5ml (10unit/ml) and q24hr with NS and heparin for maintenance of unused lumens</p>	
Tunneled CVAD	<p>Valved – 5ml NS pre/post infusion and weekly for maintenance.</p> <p>Non-Valved - 5ml NS pre/post infusion followed with heparin 5ml (10units/ml) and NS and heparin q1-2x/week for maintenance of unused lumens.</p>	<p>Valved – 10ml NS pre/post infusion & weekly for maintenance of unused lumens</p> <p>Non-Valved- 10ml NS pre/post infusion followed with Heparin 5ml (10unit/ml) and q24hr with NS and heparin for maintenance of unused lumens</p>	

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Implanted Venous Ports - Accessed - Not accessed	Valved – 5ml NS pre/post infusion and weekly for maintenance. Non-Valved – 5ml NS pre/post infusion and 5ml heparin (10units/ml). Flush with NS and heparin at least 1-2x/week for maintenance. Valved – 5ml NS monthly Non-valved – 5ml NS and 5ml heparin (10units/ml)	Valved – 10ml NS pre/post infusion and weekly for maintenance. Non-Valved – 10ml NS pre/post infusion, followed with heparin 5ml (10units/ml). Flush at least q24hr with NS and heparin for maintenance. Valved – 10ml NS monthly Non-Valved – 10ml NS followed with 5ml heparin (10units/ml)	
Administration Sets (IV tubing) change - Primary continuous - Secondary sets Lipids (when infused separately)	Q72hrs Q24hrs Q4hr	Q96 hrs. and with each new IV site Secondary left attached to primary set – q96hrs Secondary detached from primary set – q24hr With each new container. Max hang time for lipids infused separately is q12hrs.	2016 INS Standards of Practice
Dressing Changes	Transparent – q7days Gauze – q48hrs.	PIV – at least q7days and with site change Midlines/CVAD's – <ul style="list-style-type: none"> <input type="checkbox"/> 24hr post insertion or <input type="checkbox"/> On admission <input type="checkbox"/> Q7 days for transparent dressings and PRN <input type="checkbox"/> Q48hrs for gauze dressings and PRN 	2016 INS Standards of Practice
Upper Arm Circumference	Not mentioned	For midlines/PICCs, measure upper arm circumference 10cm above antecubital fossa upon: <ul style="list-style-type: none"> <input type="checkbox"/> Insertion <input type="checkbox"/> Admission <input type="checkbox"/> With each dressing change 	2016 Standards of Practice
Needleless	Changed with dressing changes	Change:	

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Connectors	Access devices (needleless connectors) were removed before drawing any blood sample.	<ul style="list-style-type: none"> <input type="checkbox"/> On admission <input type="checkbox"/> Q 7days & PRN <input type="checkbox"/> After blood draws/blood transfusions <input type="checkbox"/> Q24hr with TPN <p>May draw blood samples through needleless connector, except when drawing blood cultures. Needleless connector should be removed and the first aspirated draw should be used to fill culture tube/bottle. Do NOT discard.</p>	
PIV insertion attempts	The IV trained nurse will not exceed 3 attempts to start a peripheral IV.	Maximum number of unsuccessful attempts by one nurse may not exceed 2. Limit total attempts by facility nurses to no more than 4.	2016 INS Standards of Practice
Monitoring of IV sites	IV sites will be monitored at least q8hrs if not in use.	<p>Monitor vascular access site at least:</p> <ul style="list-style-type: none"> <input type="checkbox"/> q2hrs and PRN during continuous infusions, <input type="checkbox"/> before and after intermittent infusions, <input type="checkbox"/> at least q shift when not in use. <input type="checkbox"/> During dressing changes <input type="checkbox"/> Routinely at a frequency based on patient condition, age, type of medication, and rate of flow 	2016 INS Standards of Practice
Solution/Infusate Osmolarity & pH	A central line is used if osmolarity is more than 600 mOsm/L	Use a CVAD for infusates with extreme pH, or osmolarity greater than 900 mOsm/L.	2016 INS Standards of Practice
Subcutaneous infusions	Subcutaneous infusion sites should be routinely changed q72hr	<p>Subcutaneous sites must be rotated:</p> <ul style="list-style-type: none"> <input type="checkbox"/> For medication administration, q2-7days & PRN <input type="checkbox"/> For fluid administration (hypodermoclysis) q24-48hr (or after 1.5-2 liters of fluids has infused at a single site) & PRN 	2016 INS Standards of Practice
Subcutaneous	Must use electronic pump for subQ infusions.	An electronic infusion device must	2016 INS Standards of

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Infusions cont.		<p>be used for subcutaneous medication infusions.</p> <p>A manual flow-control device is preferred for hydration fluids infused subcutaneously.</p>	Practice
Appendix		<p>Miscellaneous information:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Infusion Maintenance Table <input type="checkbox"/> Calculating flow rates <input type="checkbox"/> Guide to Vascular Access Devices <input type="checkbox"/> IV Complications <input type="checkbox"/> Phlebitis/Infiltration Scales <input type="checkbox"/> pH & Osmolarity tables <input type="checkbox"/> Hazardous Drugs <input type="checkbox"/> Suggested Monitoring Parameters for Antibiotics <input type="checkbox"/> IV Push Medication Administration Guidelines <input type="checkbox"/> Much more 	
Skills Checklists		28 Checklists available	To allow documentation of nurses' competencies for many infusion related tasks/therapies.
Care Plans		<p>14 Available</p> <ul style="list-style-type: none"> - Therapy and Catheter focused 	
Physician Order Forms, Medication & Treatment Records		<p>Vascular Access Device focused. All forms and device-related protocols are pre-printed and easy to follow.</p> <p>Forms available:</p> <ul style="list-style-type: none"> <input type="checkbox"/> PIV <input type="checkbox"/> Midlines <input type="checkbox"/> Central Vascular Devices <input type="checkbox"/> Parenteral Nutrition MAR <input type="checkbox"/> Narcotic Physician/LIP order sheet <input type="checkbox"/> Hypodermoclysis Physician/LIP order sheet 	