

IV CATHETER CARE – QUICK REFERENCE

Section: Nursing

Compliance: ACHC Infusion Pharmacy

ACHC Standards: N/A

URAC Standards: N/A

TJC Standards: N/A

Policy ID: NUR003

Effective: 1/1/21

Reviewed: 5/1/21, 5/1/22

Revised: 9/3/24

Approved by: Kathleen Patrick, President, 1/1/21, 5/1/21, 5/1/22, 9/3/24

I. POLICY SCOPE

A. To provide a reference guideline tool for specific care required by line type. Reference tool includes:

1. Catheter Dwell Time
2. Average Catheter Length
3. Typical Location
4. Tip Location
5. Dressing Type
6. Frequency of New Line Dressing Change
7. Maintenance Dressing Change Frequency
8. Flushing & Locking
 - a. Locking Solution
 - 1) Concentration
 - 2) Amount
 - b. Frequency
 - 1) After Blood Draw

II. NURSING OVERVIEW

IV catheters will be maintained, unless otherwise ordered, according to the attached quick reference guide for clinicians that have met orientation criteria. Refer to Nursing Policies on specific line types for additional information on specific catheter post insertion care and maintenance. Line care should be performed at least weekly and as needed to maintain occlusive dressing. Antiseptic Non-Touch Technique (ANTT) should be observed to prevent infection complications.

III. PROCEDURE

1. A quick reference guide is provided to assist clinicians in caring for various IV lines.
2. Use of the IV care guidelines should be regarded as standard unless otherwise directed by the provider. Specific provider orders supersede the standard in the quick reference guide.
3. Frequency of flushing may vary from what is noted in the reference guide. If flushing is required more or less frequently than specified, a provider order will be obtained.

IV. TRAINING

This policy will be posted on the Company shared drive.

IV LINES AND THEIR CARE: QUICK REFERENCE

	PERIPHERAL VENOUS CATHETER/ NEEDLE	MIDLINE	PICC	NON-TUNNELLED CENTRAL LINE	VALVED CATHETER (Groshong/ PASV/Solo)	TUNNELLED CATHETER (Hickman)	TUNNELLED CATHETER PEDIATRIC (Broviac)	VASCULAR ACCESS PORT
Dwell Time	Remove with unresolved complications Up to 7 days	2-4 weeks	Up to 12 months.	Up to 6 months.	Years	Years	Years	Years
Average Length	5/8"- 1"	4"	12-18"	12-18"	18"	18"	5-15"	10"
Location	hand/arm (foot for infant)	Above antecubital fossa	Above antecubital fossa	Chest	Chest, Neck, Groin	Chest	Chest	Chest, Abdomen, Flank
Tip Location	Hand, Arm vein	Axilla	Subclavian to SVC (Central)	Central	Central	Central	Central	Central
Dressing Type	Bio-occlusive	Bio-occlusive + securement	Bio-occlusive + securement	Bio-occlusive	Bio-occlusive	Bio-occlusive	Bio-occlusive	Bio-occlusive
New Line Dressing Change	QD until no drainage	QD until no drainage	QD until no drainage	QD until no drainage	QD until no drainage	QD until no drainage	QD until no drainage	At start of care then weekly
Dressing Change Frequency	PRN & site change	Weekly & PRN	Weekly & PRN	Weekly & PRN	Weekly & PRN	Weekly & PRN	Weekly & PRN	Weekly & PRN Non-coring needle changed weekly
Flushing	S-A-S (Adult) S-A-S-H (Peds)	S-A-S-H	S-A-S-H	S-A-S-H	S-A-S	S-A-S-H	S-A-S-H	S-A-S-H
Locking Solution	Heparin (Peds)	Heparin	Heparin	Heparin	Normal Saline	Heparin	Heparin	Heparin
Locking Concentration	10 units/mL (Peds)	10 or 100 units/mL	10 or 100 units/mL	10 or 100 units/mL	N/A	10 or 100 units/mL	10 or 100 units/mL	flush/day or 100 units/mL
Locking Amount	1 mL (Peds)	1-5 mL	1-5 mL	1-5 mL	3-10 mL	1-5 mL	1-5 mL	3-5 mL
Flushing Frequency	QD	QD	QD	QD	QD-Weekly	QD	QD	Monthly
Flush After Blood Draw	N/A	10 - 20 mL Normal Saline (adults)	10 - 20 mL Normal Saline (adults)	5 - 20 mL Normal Saline (adults)	10 - 20 mL Normal Saline (adults)	5 - 20 mL Normal Saline (adults)	10 - 20 mL Normal Saline (adults)	10 - 20 mL Normal Saline (adults)
Miscellaneous	*Ped pt. Preservative-Free Heparin 10U/ml	Phlebitis Problems		Single, Double, Triple	Single or Double Lumen	Single or Double Lumen		Single or Double Lumen (DL requires 2 non-coring needles)

CAP CHANGE: Weekly, with lab draws and prn.
TUBING CHANGE: Every 24 hours for Intermittent infusion; Every 1-7 days for Continuous infusion based on product infused & tubing manufacture recommendations.
LENGTH OF ALL CATHETERS: Varies according to patient size