

Home Infusion Therapy (HIT) Essentials

2021



# By the end of this module, nurse learners will be able to:

- Apply knowledge of home infusion therapy to daily nursing practice.
- Evaluate appropriate NurseLink resources for home infusion patients to promote effective learning and safely administer home infusion therapy.
- Apply NurseLink policies and procedures to daily nursing practice for home infusion patients.
- Apply best practice in all modes of administration when teaching and caring for home infusion patients.
- Apply best practice techniques while performing vascular-access dressing changes and lab draws.
- Analyze and synthesize HIT orders, product labels, and resources for application in the home setting.
- Identify opportunities to prevent medication errors and patient adverse events.



## CarepathRx Resources





## **Online Resources**







## NurseLink: Nurse Education

- Annual Update: Home Infusion Nursing Manual
- Pump Brochure: Image and explanation of all pumps
- Education Videos: Patient step-bystep videos and simple nurse instructional videos
- Infusion Nurse Resources: List of links to Home Infusion organizations
- Web-Based Trainings: Links to CarepathRx online training modules
- Documents: Company published articles





### Nurse Education

We know that proper infusion education and resources are essential to providing clinical excellence in the home setting.

Annual Update	Pump Brochure	Education Videos	
Infusion Nurse Resources	Nearpod Training	Documents	



## NurseLink: Patient Education

- IV Infusion Videos: Patient step-bystep administration videos
- Enteral Videos: Patient step-bystep administration videos
- Infusion Teaching Guides: Patient step-by-step administration instructions
- Enteral Teaching Guides: Patient stepby-step administration instructions





### Patient Education

NurseLink aims to not only provide agency education and training, but also to help our patients and caregivers throughout their time on service with us. We know that the more our patients are comfortable with their therapy and administration, the better the therapy outcome.

IV Infusion Videos	Patient Advocacy	Infusion Teaching Guides
Enteral Videos	Patient Handbook	Enteral Teaching Guides
	FAQs	



## Patient Teaching Guides

Click on a therapy button to expand/collapse the teaching guides for that therapy

#### Antibiotic

#### CADD Prizm Pump

CADD Prizm Battery Change Procedure CADD Prizm Battery Change Procedure (Español)

CADD Prizm Power Pack Instruction for Usage CADD Prizm Power Pack Instruction for Usage (Español)

CADD Prizm Administration Procedure - Intermittent or Continuous Mode

#### CADD Prizm Administration Procedur Pole Mounted CADD Prizm Administr Partial Dose Infusion via CADD Prizm Partial Dose Infusion via CADD Prizm Continuous Subcutaneous Infusion fo Continuous Subcutaneous Infusion fo CADD Solis Pump

CADD Solis Administration Procedure CADD Solis Administration Procedure Cadd Solis Pump Rechargeable Batter Cadd Solis Pump Disposable Battery CADD Solis Pump Disposable Battery ( CADD Solis Pump Disposable Battery ( Pole Mounted Cadd Solis Administrat Cadd Solis Administration Procedure Cadd Solis Administration Procedure Elastomeric

Administering Medication via Elastor Administering Medication via Elastor Freedom 60 Pump

### PROCEDURE FOR INFUSION AND DAILY BAG WITH TUBING CHANGE:

- 1. Clean work area. Wash hands thoroughly. Gather supplies
- 2. Prepare your prefilled syringes for flushing your IV Catheter as instructed by your nurse.
- 3. Remove CADD tubing from package. Remove the blue clip from the top of the cassette by pulling up on the blue clip. This will prevent unintended gravity flow.
- 4. Remove protective tab from entry port of medication bag.
- 5. Remove the cover from the spike on tubing and insert spike into medication bag using a pushing- twisting motion. **DO NOT TOUCH SPIKE.**
- FOR INITIAL INFUSION ONLY: Press the Power button on the right side of pump. Pump will make a series of beeps. Main screen will appear with pump mode showing and "READY TO BEGIN" in center of screen.
- 7. Open cassette latch lever 90 degrees and attach new tubing to pump (hook hinged end first). Push up on the cassette until it firmly clicks into place OR place the pump upright on a firm, flat surface and then press down on the latch side of the pump until the cassette clicks into place. Close Latch.

\*NOTE: Do not force latch. If you are unable to latch the cassette with minimal to no resistance, the cassette is not in the proper latching position. Unlatch the cassette and repeat the process. Top of screen will flash "High Volume or Standard Administration Set Latched".

8. Check the pump screen; if **RESET RESERVIOR VOLUME TO\_\_\_\_\_? ML** appears, press "**YES**" on keypad. **\*\*\***This question will not appear during initial infusion\*\*

## Patient Step-by-Step Teaching Guides

Delivered to patient with 1<sup>st</sup> delivery.

Detailed instruction on how to administer home IV and enteral therapies.

Can be found on the NurseLink by CarepathRx website.



## Infusion Teaching Videos



istering Your Medication via CADD Solis Pump at Home



istering Your Vial Mate

Medication via Gravity at Home

Home

fusion at

Administering TPN

Administering Medications via Your Freedom 60 Pump

Administering Your IV Push Medication via Prefilled Syringe at Home

Home



Gravity at Home



How to Power Your CADD Pri Pump with Battery & Power Pack

## **Enteral Teaching Videos**

### Chartwell/CarepathRx Videos





Administering Your Enteral Bolus Feed at Home

Administering Your Enteral Feed via Gravity at Home

Kangaroo™ Joey Pump Manufacturer Videos

Infinity® Pump Manufacturer Videos







Flushing Your IV Catheter at Home

Step-by-Step administration instructions for patient/caregiver administration of home therapies.

Patient

**Step-by-Step Videos** 

Videos located on the NurseLink by CarepathRx website  $\sim$ 

Į Easy to share link with patient.



## NurseLink: Policies

Listing of all CarepathRx Nursing Polices with link to PDF.





### Policies and Procedures

Our Chartwell policies and procedure are designed to follow the patient's plan of treatment. These are updated annually and provide you with the strategy and guidelines needed to provide safe and effective home infusion therapy.

### A. General

Flushing Catheters	NUR-001
Intravenous Therapy Principles	NUR-002
IV Lines and Their Care; Quick Reference	NUR-003
Blood Culture Collection	NUR-004
Drug Level Drawing Times	NUR-005
Lab Draw Protocol	NUR-006
Antimicrobial Lock Therapy Central Venous Access Device	NUR-010
Management of Allergic/Anaphylactic Reactions	NUR-012
IV Push Medication Via Syringe	NUR-013
Withdrawing Medication From A Vial	NUR-014
Administration of Cathflo Activase in Adult Patient	NUR-015
Infiltration and Phlebitis	NUR-121
Vascular Access Recommendations	NUR-208A



# On Call

- 24/7 access to pharmacy clinical and delivery teams
- For after-hours support, troubleshooting, and delivery needs:
  - Pharmacists
  - Nurses
  - Delivery dispatchers
- Staff in house 7 days per week, 365 days a year
- Business Hours
  - Monday Friday, 8 a.m. 5:30 p.m.
  - Saturday, 9 a.m. 3 p.m.
  - Operational hours are around the clock





Hi, this is Christie from ABC Nursing & I dropped John Doe's Vanco trough at UPMC Hamot. Last dose was at 8pm.

Must inform the pharmacy where and when to obtain results!!

Hi, this is Christie from ABC Nursing and I just dropped John Doe's CBC, CMP, Mag & phos. off at UPMC Hamot.

Hi, this is Christie from ABC Nursing John Doe's labs will be drawn Tuesday this week.

## Lab Tracking

Pharmacy must be notified of lab processing locations to retrieve results.

Timely notification helps us to better advocate for our patients.

Timely retrieval of lab results is important. The pharmacist will contact the lab if not all ordered tests were processed.

Please also verify timing of trough level draws to make dosage changes.





## Home IV Therapy





# Home Infusion Therapy (HIT) defined by CMS

Home infusion therapy involves the intravenous or subcutaneous administration of drugs or biologicals to an individual at home. The components needed to perform home infusion include the drug, i.e., antivirals, immune globulin; equipment, i.e., a pump; and supplies, i.e., tubing and catheters. Likewise, nursing services are necessary to train and educate the patient and caregivers on the safe administration of infusion drugs in the home. Visiting nurses often play a large role in home infusion. Nurses typically train the patient or caregiver to self-administer the drug, educate on side effects and goals of therapy, and visit periodically to assess the infusion site and provide dressing changes. The home infusion process typically requires coordination among multiple entities, including patients, physicians, hospital discharge planners, health plans, home infusion pharmacies, and, if applicable, home health agencies.







## HIT Documentation & Accountability





# Home IV Therapy Skillsets

\*\*Therapies and services provided will be dependent on agency policies and procedures.

- Administration of IV medication.
- Educate patients on self-administration of IV medication.
- Removal and insertion of peripheral IV catheter.
- Removal of PICC and midline catheters.
- Lab draws.
- Administration of blood, blood components and plasma volume expanders, tissue plasminogen activators, immunoglobulins, antineoplastic (chemotherapy) agents, etc.
   \*\*policy and nurse training dependent
- Administration of fibrinolytic or thrombolytic agents to de-clot IV catheter. *\*\*payor dependent*
- Program or access implanted IV infusion pump and devices, including Medtronic pumps. *\*\*nurse training dependent*
- Therapeutic phlebotomy. *\*\*policy and nurse training dependent*



## **HIT Patient Criteria**

Nursing services available in home or clinic and patient under the care of a physician Ethical, cultural & social considerations (no current IVDU) Insurance benefit covers therapy (or patient accepts financial responsibility) Patient/Caregiver willing and able to participate and comply with care

Patient or Caregiver with capacity to learn

Patient medically and emotionally stable and therapy appropriate for in home administration Emergency plan in place in home environment w/ utilities and adequate med storage (geographic considerations)

Patient or Caregiver independent with infusion and support network in place to promote healing



# Categories of IV Catheters

- Peripheral
- Midline
- PICC
- Non-tunneled central
- Tunneled central
- Implanted Ports





# **HIT Complications**

Catheter malposition / migration	Infection	Hypersensitivity reaction	Line related	Vascular	Fluid overload
<ul> <li>Intravascular malposition</li> <li>Extravascular malposition <ul> <li>Infiltration – medication goes into the surrounding tissue</li> </ul> </li> <li>Extravasation – infiltration of vesicants</li> </ul>	<ul> <li>Sepsis</li> <li>Skin infection</li> <li>Skin erosion</li> </ul>	<ul> <li>Site reaction</li> <li>Anaphylactic, systemic reactions</li> <li>Red-Man's syndrome</li> </ul>	<ul> <li>Catheter fracture/damage</li> <li>Catheter occlusion by clot, residue or kink</li> </ul>	<ul> <li>Thrombosis – blood clot in the vein</li> <li>Thrombophlebitis – inflammation and damage of the vessel</li> <li>Superior vena Cava syndrome occlusion of SVC (sx: edema, coughing up blood, CP)</li> <li>Air embolism</li> </ul>	Monitor: • Vital signs • Weight • Breath sounds • Edema status



# Preventing CLABSI Scrub the Hub!

- The catheter hub is a known source of Central Line Associated Blood Stream Infections (CLABSI).
- The CDC recommendations are to "SCRUB" rather than "WIPE" the hubs with alcohol or chlorhexadine before accessing.
- SCRUB THE HUB before each use.
  - S.A.S.H requires cleaning the HUB 4 times.
- Teach the patient scrupulous hand hygiene and maintaining aseptic technique.



TPN patients: 30 second scrub with a 60 second air dry twice prior to each line access. "Hub scrub" for 30 seconds using alcohol and friction in a twisting motion.

## Allow to dry for 60

<text><text><text><text>



Preventing Central Line Associated Blood Stream Infection (CLABSI)

- Catheter hub
- Skin organisms
- Contamination during insertion
- Contaminated infusions
- Other infections settle in vein
- Thrombus in IV line or vein





## **Peripheral Catheters**

- Easily inserted
- Changed every 48-72 hours
- May be left in place more than 72 hours based on nurse's assessment of the patient's condition, access site, skin and vein integrity, length and type of prescribed therapy, venue of care, integrity, and patency of the catheter
- Inserted by RN or LPN in the home
- There must be documentation of close monitoring of site
- Safely removed in the home by RN, LPN and in some cases by the patient or caregiver.









## **Catheter Lumens**

Catheter lumens are individual access points for IV administration in the same catheter.

- From access point to the tip of the catheter, each lumen is separate from the other lumen(s).
- Infused medication does not mix with medications infused in another lumen until it enters the blood stream.
- Medication compatibility for infusion is not required when infused in separate lumens.

Each lumen is separate from access point to the opening in the vein.







## **Midline Catheters**

- This is a long peripheral IV catheter with the <u>tip of the catheter</u> <u>at the axilla</u>
  - Medication must be appropriate for peripheral infusion
- TPA/CathFlo is not appropriate
  - Research being conducted to assess if CathFlo is appropriate
- Used for short-term therapies
  - Dwell time is 2-4 weeks, refer to manufacturer recommendations.
- Weekly and PRN line care/dressing change
  - Securement device required
  - Cap and extension set changes
- Safely removed in the home by RN or LPN





# Peripherally Inserted Central Catheters (PICC Lines)

- Dwell time weeks to several months
- Inserted in radiology or at the bedside
  - Correct catheter placement can be confirmed by using EKG technology or x-ray to confirm placement of the tip in the SVC (Superior Vena Cava).
  - These catheters can safely be removed in the home by a RN.

# NOTE: A centrally inserted PICC line is treated like a CVC.





## **PICC Lines**

### Catheter Lumens





## Valved

No heparin Prevent backflow of blood into catheter

## **Open-ended**

Heparin required Should be clamped when not in use

> TUNNELED VALVED CENTRAL VENOUS CATHETER (Groshong)

## PICC & Midline Care

INS standards recommend use of a manufactured securement device

- Securement dressing
- Stat lock
- Other securement device

Weekly and PRN dressing changes

- Change injection caps and extension sets with each dressing change and lab draw
- Securement device to be changed with each dressing change

External length of the PICC/Midline to be measured and documented with each dressing change

• If the external length of the catheter has increased by 2cm or more since SOC the MD and the Infusion Pharmacist must be notified.





## Non-Tunneled Central Venous Catheters (CVC)

This type of catheter is inserted by direct stick into the subclavian vein and is then threaded into the SVC by a physician

- Sutured in place
- Other locations are IJ and Femoral

The primary use of this type of catheter is in the acute care setting

• NOT recommended for in-home use

Highest infection rate of all Central Lines

Weekly and PRN dressing changes

Change injection caps with each dressing change and lab draw

Not generally removed in the home

• Check your organizational policy to confirm

NOTE: A centrally inserted PICC line is treated like a CVC





# Tunneled Central Veinous Catheters (CVC)

- Long term use
- Surgically inserted into the subclavian vein, then advanced to the SVC.
  - The distal portion of the catheter is then threaded through a subcutaneous tunnel to an exit site.
  - Dacron cuff encourages tissue growth around the catheter, which secures it in place.
- Weekly and PRN dressing changes
  - Change injeciton caps with each dressing change and lab draw.
- Surgically removed





## Hickman<sup>®</sup>- Broviac<sup>®</sup>- Groshong<sup>®</sup>



## **Implanted Ports**

**NON-CORING** Huber needles must be used to access the self-sealing implanted









## **Implanted Ports**

- Surgically implanted
  - Attached to a catheter that is threaded into the SVC
  - Removed surgically
- Long-term use
- Usually placed in the chest
  - Other locations: Arm, thigh, abdomen, ribs/side
- Typically single injection ports
  - Double injection ports are available



## **Non-Coring Needles**

- Used to access ports for vascular access
  - Needle technology prevents damage to ports
  - Power Injectable PICCs

Must use power injectable Huber Needle with power PICC, if using for radiology power injector

- Needle changes with each weekly dressing change
  - Needle change by RN
  - Needle removed by RN and in some cases the patient or caregiver





## SASH Method

1. Follow physician orders on POT for flushing volumes.

Patients are **NOT** taught to check for a blood return.

Flush using Push Pause Method. Flush all lumens with adequate amount of saline or heparin to **ensure patency.** 

After lab draws, flush with 10-20mls of saline to clear the line.

# 2. Flush before AND after every dose of medication.

- S Flush the device with sterile Saline
- A Administer the medication / draw blood work
- S Flush the device with Sterile Saline
- H Flush the device with Heparin

3. Unused lumens to be flushed daily with heparin only (no saline).

# **Dressing Changes**

- Dressing changes are weekly and as needed
- INS guidelines recommends use of a securement device
  - Securement dressing is a recognized securement device.
- Dressing change kits often include a Tegaderm (breathable) dressing
- All supplies must be changed with every dressing change
  - Statlock
  - Extension sets
  - Injection caps
  - Biopatch





Securement dressing instructions: https://youtu.be/jM73tL7C48w



## SorbaView Video



https://youtu.be/jM73tL7C48w



## **Securement Devices**

- INS Guidelines recommends use of a securement with each dressing change:
  - Securement Dressing
  - Statlock for PICC
    - Posts for common PICC lines
    - Used as double securement with securement dressing
    - Used when patients can't tolerate SorbaView`
    - DO NOT USE WITH Tegaderm
  - Other Securement Devices
    - Gripper
    - Universal securements
    - Tube securements
    - Wing guard
- Used double securement with a securement dressing for
  - Pediatric patients
  - Patients at risk for line removal
  - By physician order
- Change with each dressing change











with alcohol
## Initial Visit Line Care – PICC Extension Sets

#### Extension sets must be placed on PICC lines

 Patients are not able to flush or administer medications if they are not able to reach their vascular access device with both hands

#### Instructions:

- Maintain sterile technique
- Prime extension set with injection cap
- Prior to removing injection cap from vascular access device, cleanse connection with antiseptic wipe
- Attach extension set with injection cap
- Flush line





### **CATHETER INJECTION CAPS**



<u>Positive pressure caps</u> are <u>NOT compatible</u> with <u>Negative</u> <u>pressure</u> compounding systems for hazardous products.

<u>Neutral pressure caps ARE compatible</u> with <u>Negative Pressure</u> compounding systems for hazardous products.

Injection caps must be changed every seven (7) days and with each blood draw.



# Biopatch

- Chlorhexidine impregnated disc.
- Reduces site infections, CLABSI, and skin colonization of microorganisms
- To be changed with each dressing change
- Print facing up during use





### **Y-sites**

- IV-line connector or extension to provide a second access point for IV tubing to connect to the IV catheter.
- Medication is y-sited and infused into the same lumen.
- Always confirm medication compatibility before use.
  - Pharmacist will verbally or in writing communicate y-site compatible medications.
  - Document pharmacist y-site recommendations.



# **Alcohol Caps**

- Cap cover for injection port (hub/connector)
- Cap with alcohol-soaked sponge to cleanse hub
- Cap is left in place between IV-line access
  - Alcohol dries and cap becomes a simple cover
- Reduces risk of CLABSI from injection port contamination
- Must continue to scrub the hub!
- Single use only

![](_page_40_Picture_8.jpeg)

Must scrub the hub for 30 seconds before EVERY IV hub access

![](_page_40_Picture_10.jpeg)

Failure to scrub the hub will result in increased infection risk!

![](_page_40_Picture_12.jpeg)

# Line Locking

- To prevent CLABSI and maintain line patency
- Not to be administered systemically
  - Always withdrawal lock solution before flushing line with Saline
  - If multiple caregivers, label the catheter: "DO NOT USE-LineLock" to prevent systemic administration (flushing of lock solution)
- Allow lock solution to dwell for a period specified by the physician order
- Antibiotic lock therapy:
  - Goal of sterilizing the catheter lumen
  - Instilling high concentrations of antibiotics into the catheter lumen for extended periods of time
- Ethanol lock therapy:
  - Goal of sterilizing the catheter lumen
  - IV line must be made of silicone, other materials may deteriorate

#### Common locking solutions: Ethanol Vancomycin Gentamycin Ciprofloxin High dose Heparin

![](_page_41_Picture_13.jpeg)

![](_page_41_Picture_14.jpeg)

## **IV Line Filters**

An IV-line filter is a membrane in the tubing set designed to prevent particulates and air bubbles from being administered.

Filters Components:

- Inlet allows fluid to enter the filter compartment.
- Fluid then fills the vented side, allowing air to be removed.
- Filter membrane becomes wet and prevents air and particulates to flow through the tubing. Works like a strainer.
- Fluid flow to patient side for administration.

Proper priming techniques allow the fluid to fill the air-vent side first, then saturating the membrane and before filling the patient side.

• Arrow should point up when priming to allow air bubbles to flow through membrane before fluid saturates it.

![](_page_42_Picture_9.jpeg)

Arrow to point up during priming.

Common filter membrane sizes: 0.2 micron

- For medications compounded in the home.
- Most frequently used to filter particulates.

1.2 micron

- Usually for TPN lipids.
- Allows larger molecules to pass to the patient.

![](_page_42_Picture_17.jpeg)

![](_page_42_Picture_18.jpeg)

### **Medication Temperature for Infusion**

Solutions should be at room temperature for infusion.

- Most medication to be removed from the refrigerator 2-4 hours prior to their infusion.
- Elastomeric Device (Easy Pumps) must be removed from the refrigerator 6-12 hours prior to infusion.

Instruct to NOT artificially warm the bag or syringe.

- $\varnothing$  Do NOT microwave
- Ø Do NOT bathe in warm water
- $\varnothing$  Do NOT heat in any way

![](_page_43_Picture_8.jpeg)

![](_page_43_Picture_9.jpeg)

# **Blood Sampling Tips**

- Always stop the infusion prior to lab draw
- Flush line before and after lab draw
  - 5-10ml flush before
  - 10-20ml flush after
- Waste 10ml of blood prior to collecting specimen
- Trough results should be drawn immediately prior to next dose
  - Should the patient administer dose, do not draw trough and re-schedule lab draw
  - Do not draw from the same line the medication is infusing
- Hub to hub for best results
  - Always remove extension sets when drawing labs
  - Attach new sterile caps/extension sets after lab draws
- Helpful with sluggish or no blood return
  - Positioning of line and limb
  - Syringe draw by pulling back 1-2 ml increments and allow to fill
  - Use the other line lumen
  - Ensure catheter is not kinked under the dressing (may need dressing change)
  - Flush briskly with 10mls using the push pause method to create turbulent flow

![](_page_44_Picture_18.jpeg)

![](_page_44_Picture_19.jpeg)

# Chemotherapy & Hazardous Drug Considerations

Chemo PPE:

- Double gloves
- Protective gown
- Eye protection
- Mat to protect work area from drip

Closed system drug transfer device and drug administration sets should be attached and primed prior to administration.

Dispose of in proper container (not household garbage).

Chemo spill kit in home to safely clean spills.

• Fabrics washed twice separately in warm water. Chemo precaution for body fluids for 48 hours after chemotherapy dose.

![](_page_45_Picture_10.jpeg)

Certification required for starting chemotherapy infusion. Every RN can stop chemo with proper PPE. \*\*Check organizational P&P\*\*

![](_page_45_Picture_12.jpeg)

## SAVE THAT LINE!

### S

 Scrupulous Hand Hygiene – before and after contact with vascular access devices and prior to insertion

### Α

• Aseptic Technique – during catheter insertion and care

### V

 Vigorous Friction to Hubs – vigorous friction with alcohol/antiseptic wipe for 30 seconds wherever you "make or break a connection" to give medications, flush, or change tubing and injection port or add on device

### Ε

 Ensure Patency – Flush all lumens with adequate amount of saline or heparinized saline to maintain patency

![](_page_46_Picture_9.jpeg)

# **SOC Visit Responsibilities**

#### Review the Patient Welcome Book

- Patient specific documents inventory of drugs and supplies in the home during weekly call.
- Patient Specific Documents:
- Pharmacy orders
  - Patient Teaching Guide (step-by-step administration instructions)
  - Drug information sheets
- Ensure patient has signed their consent for treatment.
- Therapy administration and troubleshooting education.
  - Supplies, mediation usage and storage.
  - Use patient teaching guide and video resources

Remind patients that pumps must be returned to the pharmacy when therapy is completed.

• Not disposable

The pharmacy must speak to the patient before each delivery to assess the patient and for medication and supply ordering.

- Complete inventory of drugs and supplies
- Delivery needs
- Response to therapy
- Answer patient questions

![](_page_47_Picture_18.jpeg)

Patient Welcome Handbook

![](_page_47_Picture_20.jpeg)

	Home Infusion Pharmacy					
	Pittsburgh	Erie	Altoona			
	1-800-755-4704	1-888-252-0716	1-855-349-6226			
_	Constate Disc		1 Directoria			

![](_page_47_Figure_22.jpeg)

![](_page_47_Picture_23.jpeg)

## **Delivery Slip**

- Review to make sure all items have been delivered
- Have patient sign and return in selfaddressed envelope
- Use to communicate to patient which supplies require reordering during pre-delivery phone call with the pharmacy

Created by REXRON Printed by REXIGA	04N2 on 06/3	2/2030 at 05:06:45 PM EDT 2/2030 at 05:06:52 PM EDT	Delivery Slip: 1008917 Reprinted b	P 15HCL on 87/0	age 1 of 2 11/2020 # 03:11:34	PH 601	
Patient: Address: livery Method: ap Area Code:	( 14581 ROU PUNISUTA (412) 726- Driver TEAM 3 UP	2) ITE 36 WNEY, PA 15767-4468 1815, Primary Residence S	Ship Date: 06/12/2020 Del Date: 06/12/2020 Next Del Date: 06/12/2020 Rumber, T Physician: MARCHOUL, C. Nursing Agency: UNPC SOUTH IV-TEAM 26 Agency Phone: (412) 453-1200, Work Number, Telephon After Hours: (412) 453-1200, Work Number, Telephon				
Drive by 6p to 1 5906 Pront Ana Directions: SHIP CHEMO T "STAYING J NOTICE" 5906 Front Ana	DAUGHTERS St. Pittsbui D ALTERNA T DAUGHT Street Pitts	5 ADDRESS gh 15207 TE ADDRESS ER5 ADDRESS TB, PURTH burgh PA 15207	ER				
MEDICATION	Descrip	tion	Othe Oral Ot	n Dally Lot	· Free Da		
520410-0	TPN 1.8	Liter w/Fats	5	s Denv Lot	·	ere .	
520411-0	TPN 1.8	Liter clears	2	2			
570419-0	INFUVIT	E ("ADULT") MULTE-VITA	MIN 10ML 7	7			
570421-0	Famotid	ne (40mo/4mL) 20mL MD	W 2	2			
570423-0	1-28-233	50 Units Heparin/SmL in	12ml. swringe(10u 20 @ 1 EA	20			
570422-0	1-61-843	10mL 0.9% Sodium Chk	oride/12mL Syringe 22 @ 10 ML	22			
SUPPLIES							
Code	Dia	Description			Qty Ord Qty	Delix	
7-01-047		MEDICATION INFOR	MATION SHEET		1 EA	3	
7-00-009		NEW PHARMACY OR	DER5		1 EA		
7-00-019		PRIZM TPN DELIVER	RY MODE PATIENT INFO GUIDE		1 EA		
7-00-023		PUMP RETURN BOX			1 EA		
7-01-010		Administration of TP	N via CADO- Prizm Pump		1 EA		
7-01-012		Drawing Up Medicat	ions from a Vial		1 EA	-	
5-66-118		CADD 3000ML PUMP	BACKPACK		1 EA		
7-01-014		CADO-Prizm Power I	Pack Usage Instruction		1 EA		

\_\_\_\_Bag \_\_\_Cooler \_\_\_Box \_\_\_TV Pole \_\_\_Sharps CHARTWELL PENNSYLVANDA 1001 OAKDALE ROAD OAKDALE, PENNSYLVANDA 15071 (800)755-4704

Patient: DOM	ALDSON, KATHY L (102032)	Delivery 5	ap. 1000917	Page 2 of 2			
7-00-005	PATIENT WELCO	OME HANDBOOK		1 EA	_		
3-14-816	03-01-04-05 SORBAVIEW SH	CELD 3.5 X 5.25 (5	V353UDT)	3 EA			
3-31-159	03-02-01-02 SYRINGE, 10CC	, 20G X 1" (8D9	644)	7 EA			
3-31-155	03-02-02-04 SYRDNGE, SCC,	20G X 1* (8D9	634)	7 EA			
5-23-217	03-03-01-01 SHARPS CONTA	INER 3 GALLON M	ADL AWAY	1 EA			
5-41-211 03-04-02-01 ALCOHOL PREP SWARS STERILE 100/8X 1							
3-54-219 03-04-02-02 DRESSING CHANGE KIT (MSDC 009963)							
3-11-215 03-05-02-02 CADD PRIZM HI VOL W/1.2 MICRON FILTER 21 7381 8 E							
3-18-160 03-06-02-01 MICROCLAVE INJECTION CAP (83300) 4 EA							
3-16-162 03-06-02-02 EXT SET 12" W/MICROCLAVE VALVE 03312 2 EA							
5-13-147 03-07-04-01 GLOVE, N/S UNESIZE MED/IPF (EA) 2							
3-51-610	(-610 03-07-04-05 TAPE, PAPER (1")						
5-90-114	-114 PH-01-04-04 BATTERY DURACELL COPPERTOP ALKALINE 9V						
EQUIPMENT							
Code	Description	Serial #	Asset Tag	Exp. Return			
5-81-500	POWER PACK	982049	CO8430				
5-02-125	AC ADAPTER - PRIZM	0004		<u> 1975 - 197</u>			
5-72-110	CADD PRIZM 6100	768368	C009702				
ASSIGNMENT responsible fo Chartwell Penn Pennsylvania, insurance ben I agree to info limited to char affect third pa physician and Dy signing the admission info Chartwell Pen	OF BENEFITS and RELEASE OF IB payment of my care, if applicable neylvania, UP, for products and se UP. I authorize Chartwell Pernsylvania, UP of effs for products and services pro rm Chartwell Pernsylvania, UP of negl of address, admission to a hor fry payments, or my ability to pay rendered by Chartwell Pennsylvan acknowledgement below, you an rmation and you are consenting to nylvania, UP, as outlined on the b	NFORMATION: I au e, to pay benefits rvices furnished to varia, LP to requer vided to me by Ch any change in my aptial or nursing fa for products/serv via, LP. e indicating that w o receive services sack of this form.	thorize my insuranc on my behalf directl me by Chartwell artwell Pennsylvania tatus, including bu cility, changes that ices prescribed by m e have provided you as a patient, from	e company or fund y to b, LP, r not ry with			
SIGNATURE O	F PATIENT/LEGAL GUARDIAN OR	RESPONSIBLE PA	RTY	ATE			
RELATIONSHI	P TO PATIENT (IF NOT RECEIVED	D BY PATIENTS:					

REASON PATIENT WAS UNABLE TO SIGN:

![](_page_48_Picture_7.jpeg)

### Patient Teaching Guides

Teaching Guides and Videos are located on the NurseLink Portal on the CarepathRx <u>website</u>.

Step by step instruction on how to administer medications.

#### Resources

Supplies

Set up

Administration

Clean up

#### CADD PRIZM ADMINISTRATION PROCEDURE (INTERMITTENT OR CONTINUOUS MODE)

Properly administering your medication via the CADD Prizm Pump at home is important to your safety. Please call 1-800-755-4704 if you have any questions or concerns at all while administering the medication. We are available 24 hours a day, 7 days a week. In the event of an emergency, always call 911.

#### For teaching guides and videos:

https://chartwellpa.com/patients/patient-teaching-guides.asp

#### SUPPLIES:

7-01-017

- Medication bag or cassette
- CADD tubing (change M-W-F unless otherwise instructed)
- Sodium chloride/Saline syringe
- Alcohol/antiseptic wipes
- 9 volt battery (if due to be changed)
- coin

#### PROCEDURE:

- 1. Gather supplies. Clean work area. Wash Hands thoroughly for at least 20 seconds.
- Check labels for name, drug, frequency, and expiration. Inspect the medication bag or cassette for any cracks, leaks, particulate matter, and clarity of medication. Contact Chartwell for any discrepancies or concerns.
- 3. Prepare your prefilled syringes for flushing your IV Catheter as instructed by your nurse.
- Remove CADD tubing from package. Remove the blue clip from the top of the cassette by pulling up on the blue clip. Removing blue clip causes flow stop to close, preventing unintended gravity flow.
- 5. Remove protective tab from entry port of medication bag.
- Remove the cover from the spike on tubing and insert spike into medication bag using a pushing twisting motion. DO NOT TOUCH SPIKE.

![](_page_49_Picture_26.jpeg)

![](_page_49_Picture_27.jpeg)

- S Saline \_\_\_ ml
- H Heparin \_\_\_ ml (if required)

SASH FLUSH PROCEDURE:

## Drug **Information Sheets**

- Delivered to the patient at State of Care (SOC)
- Review medication and side effects with patient/caregiver

POSSIBLE SIDE EFFECTS: BEFORE USING THIS MEDICINE: OVERDOSE: HOW TO USE THIS MEDICINE: ADDITIONAL INFORMATION:

CAUTIONS:

WARNING: 1

#### Patient: NAME

PATIENT EDUCATION MONOGRAPH Ganciclovir Sodium Date: Friday, November 6, 2020 Physician: KILARU, SILPA (103385) Rx: 587708 GENERIC NAME: Ganciclovir (Systemic) (gan SYE kloe veer)

WARNING: Very bad and sometimes life-threatening blood and bone marrow problems like anemia, low platelet counts, or low white blood cell counts have happened with this drug. Change in dose or even stopping the drug may be needed if any of these side effects happen. Talk with the doctor. This drug has caused fertility problems in animals and some humans. Fertility problems may lead to not being able get pregnant or father a child. This may go back to normal but sometimes it may not. If you have guestions, talk with the doctor. In animals, this drug has caused harm to unborn babies and cancer. This drug may have the same effects in humans. If you have guestions, talk with the doctor. COMMON USES: It is used to treat a viral infection of the eyes in people with immune system problems. It is used to prevent cytomegalovirus (CMV) disease after organ transplant. It may be given to you for other reasons. Talk with the doctor.

BEFORE USING THIS MEDICINE: WHAT DO I NEED TO TELL MY DOCTOR BEFORE I TAKE THIS DRUG? TELL YOUR DOCTOR: If you are allergic to this drug; any part of this drug; or any other drugs, foods, or substances. Tell your doctor about the allergy and what signs you had. TELL YOUR DOCTOR: If you have any of these health problems: Low white blood cell count, low platelet count, or low red blood cell count. TELL YOUR DOCTOR: If you are taking imipenem-cilastatin. TELL YOUR DOCTOR: If you are breast-feeding. Do not breast-feed while you take this drug. This is not a list of all drugs or health problems that interact with this drug. Tell your doctor and pharmacist about all of your drugs (prescription or OTC, natural products, vitamins) and health problems. You must check to make sure that it is safe for you to take this drug with all of your drugs and health problems. Do not start, stop, or change the dose of any drug without checking with your doctor.

HOW TO USE THIS MEDICINE: HOW IS THIS DRUG BEST TAKEN? Use this drug as ordered by your doctor. Read all information given to you. Follow all instructions closely. It is given as an infusion into a vein over a period of time. Drink lots of noncaffeine liquids unless told to drink less liquid by your doctor. HOW DO I STORE AND/OR THROW OUT THIS DRUG? If you need to store this drug at home, talk with your doctor, purse, or pharmacist about how to store it. WHAT DO I

![](_page_50_Picture_11.jpeg)

CONVERSION TABLE FOR 20 DROP PER ML TUBING ML/HR				
ML/HOUR	DROPS/ MINUTE			
30	10			
45	15			
60	20			
75	25			
90	30			
99	33			
105	35			
114	38			
120	40			
126	42			
135	45			
144	48			
150	50			
165	55			
180	60			
195	65			
210	70			
225	75			
240	80			
250	83			
255	85			

### Gravity Infusion

Straight tubing set with IV bag hung from an IV pole.

Drip rate conversion tables on teaching guides.

Regular straight tubing set

#### Filtered straight tubing set

Drip rates can be found on patient teaching guides.

CONVER	FOR 10 DROP PER ML					
TU	TUBING					
DROPS						
ML/HOUR	DROPS/ MINUTE					
6	1					
12	2					
18	3					
24	4					
30	5					
36	6					
42	7					
48	8					
54	9					
60	10					
66	11					
72	12					
78	13					
85	14					
90	15					
96	16					
102	17					
108	18					
114	19					
120	20					
126	21					
132	22					
144	24					
150	25					
180	30					
198	33					
204	34					
210	35					
240	40					
252	42					

# In-Home Compounding System: Mini-Bag Plus, Vial-Mate & AddEASE

![](_page_52_Picture_1.jpeg)

- Always use with filtered tubing and hanging from a pole
- These compounding systems contain air in bags and cannot be placed on the pouch
- If on a pump, it will need to be pole mounted
  - Partial dose given on a pump
- Usually given via gravity method
- Tubing change every 24 hours

![](_page_52_Picture_8.jpeg)

![](_page_52_Picture_9.jpeg)

![](_page_52_Picture_10.jpeg)

# **Elastomeric Device**

Allow medication to warm to room temperature for 6-12 hours, as noted on the pharmacy orders.

Calibrated to work at room temperature (69.4 – 76.6 degrees F).

- May infuse too slow if cooler than 69.4 degrees F
- May infuse too fast if warmer than 76.6 degrees F

Flow Restrictor is calibrated to work at 88 degrees Fahrenheit

• Should have close contact with the patient's skin during infusion.

Calibrated to work at the level of the IV catheter

• Do not hang or set on floor

![](_page_53_Figure_9.jpeg)

![](_page_53_Picture_10.jpeg)

# Freedom60 Pump

- Syringe pump
- Change tubing every 24 hours
- Allow medication to warm to room temperature for 2-4 hours, as noted on the POT
- Rate is controlled by Tubing identified on both packaging and tubing clamp
  - F30 = 30ml/hr
  - F45 = 45ml/hr
  - F60 = 60ml/hr
- Disc on tubing secures the syringe into the pump
  - Do not confuse with IV extension tubing
- Turn wheel until you hear tab "click" and then spin without moving tab, before turning the pump on

![](_page_54_Picture_11.jpeg)

![](_page_54_Picture_12.jpeg)

# **CADD Solis Pump**

- Tubing change
  - Intermittent every 24 hours
  - Continuous Mondays, Wednesdays and Fridays only
- Allow medication to warm to room temperature for 2-4 hours, as noted on the pharmacy orders.
- Powered by 4 AA batteries or rechargeable battery
  - Plug in pump for 4 hours each day to fully charge rechargeable battery
- Clinician Code for Lock Screen is: 061
- Clinician Code for PCA Bolus is: 617
- Always power up before attaching tubing cassette
  - Listen for series of beeps and self-check before attaching the tubing cassette
  - This will prompt "Reset RES VOL?"
- Always prime on its side, with the lever side down to prevent "Air In Line" alarms

#### programed with the Infusion System with Safety Software patient's orders. Always confirm pump setting against orders Status bar Pump alarms color coded for immediate visual indication of pump differentiated by color and sound red – high priority amber – medium priority prior to starting the operating status blue - low priority pump Keypad lock status Protocol bar provides clinician confidence that pump is locked displays: therapy qualifier drug name (units) Drug concentration 61.5 mL and/or units of measure 1 Hrs 0 Min Dose Duration Infusion settings clearly displayed to help prevent medication errors 6 Hrs 0 Min displays patient program settings 61.5 mL/hr **Cassette latch** allows easy and secure attachment of CADD" reservoirs and 92 ml Soft key interface makes navigation easy administration sets Scroll keys eliminates numeric key press errors PCA dose key enables convenient PCA dosing while ambulatory Administration set or CADD<sup>®</sup> medication cassette reservoirs attach easily and Prime on side with lever side DOWN

CADD<sup>®</sup>-Solis VIP Ambulatory

![](_page_55_Picture_14.jpeg)

Pump will be delivered

# CADD Prizm Pump

- Tubing change
  - Intermittent every 24 hours
  - Continuous Mondays, Wednesdays and Fridays only
- Allow medication to warm to room temperature for 2-4 hours, as noted on the POT.
- Powered by 1 9-volt battery
  - External power pack is used with the 9-volt battery in the pump
  - Power pack should be charged 7 hours each day
  - Power pack requires monthly refresh cycle by the patient
- Always power up before attaching tubing cassette
  - Listen for series of beeps and self-check before attaching the tubing cassette
  - This will prompt "Reset RES VOL?"
- Clinician Code for Lock Screen is: 061
- Clinician Code for PCA Bolus is: 997

![](_page_56_Picture_14.jpeg)

Pump will be delivered programed with the patient's orders.

Always confirm pump setting against orders prior to starting the pump.

![](_page_56_Picture_17.jpeg)

## **Product Label**

Product label to be reviewed with each dose or bag change.

Pump settings to be reviewed on the pump with each dose or bag change.

Product label components to review:

- Patient name
- Medication name
  - Amount in bag/cassette
  - Diluent name and volume
  - Can calculate concentration
- Administration instructions
  - Plain language instructions
  - **Pump parameters** 
    - To be verified on pump with each bag change
  - How often to change the bag if continuous
- Storage instructions
  - Including how long to warm to room temperature if refrigerated
- Expiration date  ${}^{\bullet}$

	Pt: (		
	MD: MYLES ZUCKERMAN		
	RX#:546941-0	Doses: 2	RPH: REO
	Morphine Sulfate	(HOSP) 500	MG
	Sodium Chloride 0.9%	(BAX) 50	ML
	Administer Morphine ]	V continuously	at 2mg/hr via Cadd
	SOLIS with a 1mg bolu as directed.	is every 15 minu	ites as needed. Use
	Parameters: res vol=5	0mL, rate=2mg/h	r, bolus=1mg every
	15 minutes as needed,	conc=10mg/mL.*	**Change cassette
	at least every 7 days	***	
	*CAUTION: Federal law	prohibits tran	afer of drug to any
Pt:	person other than pat	ient it was pre	scribed*
MD: RAVI RAMANI	PROTECT FROM LIGHT		
RX#:527200-41	Original Date: 12 18	19 REO	REFRIGERATED
	Filled: 12 18	19 Exp Date	12 27 19
Milrinone Lacta	te (FRES) 38	MG	_
Dextrose 5%	(BAX) 190	ML	
Administer milr:	inone IV continuousl	y at 6.8 mL/hr	via
Cadd Solis pump	to provide 0.25 mcg	/kg/min as dire	ected.
Dosing weight =	90.9 kg. Bag contai	ns overfill. Cl	hange
bag daily.			
Parameters: Res	Vol = 190mL, Rate =	6.8 mL/hr, Cond	c =
0.2mg/mL.			
REFRIGERATE UNT	IL 2-3 HOURS PRIOR T	O USE	
Original Date:	08 05 19 WRZE	REFRIGERATEI	
Filled:	05 11 20 Exp Dat	e: 05 20 20	

![](_page_57_Picture_18.jpeg)

# **Curlin Pump**

- Tubing change
  - Intermittent every 24 hours
  - Continuous Mondays, Wednesdays and Fridays only
- Allow medication to warm to room temperature for 2-4 hours, as noted on the POT
- Screen does not lock
- Can be programed with variable rates
- Nicknamed the "Yes Pump"
  - Push "yes" to select menu items
- Powered by 2 C batteries
- Always <u>confirm pump settings</u> against orders prior to starting the pump

![](_page_58_Picture_11.jpeg)

Pump will be delivered programed with the patient's orders.

Always confirm pump setting against orders prior to starting the pump.

![](_page_58_Picture_14.jpeg)

### Home Enteral Therapy

![](_page_59_Picture_1.jpeg)

![](_page_59_Picture_2.jpeg)

### **Patient Teaching Guides**

(located in handbook)

- Teaching guides and videos are located on the CarepathRx website and provided to the patient at SOC.
- Step by step instruction on how to administer medications

•Supplies

•Set up

•Administration

•Clean up

#### ADMINISTRATION OF ENTERAL FEEDING USING KANGAROO JOEY

#### PUMP IN CONTINUOUS MODE

#### IMPORTANT:

- CHANGE FEEDING BAG EVERY 24 HRS.
- > ONLY 8 HOURS OF FORMULA SHOULD BE POURED INTO BAG AT A TIME.
- > CARRYING CASE IS MACHINE WASHABLE. USE GENTLE CYCLE.
- > A FULLY CHARGED PUMP WILL RUN APPROXIMATELY 18 HOURS @ 125ML/HR

#### SUPPLIES:

- Formula
- Kangaroo Joey pump
- Kangaroo Joey feeding set (feeding bag)
- Backpack (if applicable) or IV pole
- 60 cc. syringe for flushing

#### PROCEDURE:

- 1. Gather supplies and equipment. Clean work area.
- 2. Perform hand hygiene.

3. Place Kangaroo Joey pump on a stable surface or attach it to the IV pole using the pole clamp. NOTE: If using IV pole, it is important to secure the pump 6 inches or less from the feeding bag.

- 4. Remove Kangaroo feeding bag with tubing from package.
- 5. Fill the bag with the proper amount of formula and close bag securely at the top.
- Turn pump on. The pump screen will display PRIOR SETTINGS. For your first home dose, press
   ► CLEAR SETTINGS key. After initial home dose, you will press ► KEEP SETTINGS key. The pump screen will display LOAD A SET.
- 7. Open the blue transparent door on the top of the pump.
- 8. Load the pump set into the pump by grasping finger tab on the set valve and inserting it into pump valve (as illustrated on top of pump). Grasp the black ring retainer and stretch the tubing counterclockwise around the pump rotor. Lower the black retainer into the slot (as illustrated on top of pump). Close the blue transparent door when the tubing is in place. The pump screen will display SET LOADED.

![](_page_60_Picture_30.jpeg)

## **Therapy Education**

- Remind patients that pumps must be returned to the pharmacy when therapy is completed
  - Pumps are not disposable!
- Patient or caregiver must call pharmacy to re-order supplies and formula. The pharmacy needs to know:
  - List of supplies and formula needed
  - Complete inventory of formula and supplies
  - Response to therapy
  - Changes in feeding orders
    - Physician order required to increase formula volumes

![](_page_61_Picture_9.jpeg)

![](_page_61_Picture_10.jpeg)

# Patient Teaching Guides

- Teaching Guides are included in the first delivery at SOC
- Step-by-step instructions on how to administer medications
  - Supplies
  - Set up
  - Administration
  - Clean up

#### ADMINISTRATION OF ENTERAL FEEDING USING KANGAROO JOEY

#### PUMP IN CONTINUOUS MODE

#### IMPORTANT:

- CHANGE FEEDING BAG EVERY 24 HRS.
- > ONLY 8 HOURS OF FORMULA SHOULD BE POURED INTO BAG AT A TIME.
- > CARRYING CASE IS MACHINE WASHABLE. USE GENTLE CYCLE.
- > A FULLY CHARGED PUMP WILL RUN APPROXIMATELY 18 HOURS @ 125ML/HR

#### SUPPLIES:

- Formula
- Kangaroo Joey pump
- Kangaroo Joey feeding set (feeding bag)
- Backpack (if applicable) or IV pole
  60 cc. syringe for flushing

#### PROCEDURE:

- 1. Gather supplies and equipment. Clean work area.
- 2. Perform hand hygiene.

3. Place Kangaroo Joey pump on a stable surface or attach it to the IV pole using the pole clamp. NOTE: If using IV pole, it is important to secure the pump 6 inches or less from the feeding bag.

- 4. Remove Kangaroo feeding bag with tubing from package.
- 5. Fill the bag with the proper amount of formula and close bag securely at the top.
- Turn pump on. The pump screen will display PRIOR SETTINGS. For your first home dose, press
   ► CLEAR SETTINGS key. After initial home dose, you will press ► KEEP SETTINGS key. The pump screen will display LOAD A SET.
- 7. Open the blue transparent door on the top of the pump.
- 8. Load the pump set into the pump by grasping finger tab on the set valve and inserting it into pump valve (as illustrated on top of pump). Grasp the black ring retainer and stretch the tubing counterclockwise around the pump rotor. Lower the black retainer into the slot (as illustrated on top of pump). Close the blue transparent door when the tubing is in place. The pump screen will display SET LOADED.

# **Delivery Slip**

- Instruct patient to review to ensure all items have been delivered
- Instruct patient to use as a tool to communicate supply inventory and needs

Address	Printed by ZUGARON on 11/25/2020 at 11:59:55 AM EST         Reprinted by FISHCL on 03/22/2021 at 03:34:43 PM EDT           Patient: Doe, Jane (107122)         Ship Date: 11/25/2020           Address: 89 Main Street         Del Date: 11/25/2020           IRVONA, PA 16656         Next Del Date: 12/24/2020           (412) 995-0069, Primary Residence Number, T, Physician: LINDBLAD, D							Delivery Slip: 1071208 Page 2 DERSON, WAVERLY G (107122)	
ery Method: Area Code: Jelivery Inst ELIVER TO C	: Driver : TEAM 4 :ructions: HP 7C RM 748	1:30PM PLEASE T	THANK YOU					his page intentionally left blank.	
UPPLIES	Bin	Description			05	v Ord O	ty Deliy		
	211	Compton			~~~~		<u> </u>		
		S9342 PUMP ENT	ERAL		1	10 DAY_			
-01-044		S9342 PUMP ENT Entralite Infinity P	ERAL Pump Teaching Gui	de	2	20 DAY 1 EA	1		
-00-005		PATIENT WELCOM	ME HANDBOOK			1 EA	1		
-00-011		PUMP MANUAL				1 EA	1		
-00-023		PUMP RETURN BO	OX			1 EA	1		
-01-048		NEW ENTERAL OF	RDERS			1 EA	1		
-66-122		ENTRALITE INFIN	NITY SUPER MINI B	ACKPACK		1 EA	1		
-82-104	03-03-01-02	V POLE FOR PUT	MP W/WHEELS			1 EA	1		
-10-116	03 <mark>-05-01-</mark> 03	ENTERALITE INFI	INITY 1200 ML BAG	ENFIT		2 EA	2		
-53-134	03-05-01-03	GAUZE,4"x4" 6 PL	LY DRAIN SPONGE	(TRAY OF 50)		1 BX	1		
-10-113	03-05-01-04	ENTERALITE INFI	INITY 500 ML BAG	ENFIT		30 EA	30		
-51-500	03-07-04-04	TAPE, CLOTH (1")	)			1 RL	1	CHECKED BY: / PACKED BY:	
-53-256	Drop ship	Team 4 GAUZE SP	PONGE STERILE 4P	LY 4X4		1 EA	1	OF BENEFITS and RELEASE OF INFORMATION: I authorize my insurance company or fund	
-30-617	WA2B	SYRINGE, 60CC S	TERILE IRRIGATIO	N		5 EA	5	r payment of my care, if applicable, to pay benefits on my behalf directly to insylvania, LP, for products and services furnished to me by Chartwell	
QUIPMENT								LP. I authorize Chartwell Pennsylvania, LP to request on my behalf, all hefits for products and services provided to me by Chartwell Pennsylvania, LP.	
ode	Descriptio	n	Serial #	Asset Tag	Exp. Return			orm Chartwell Pennsylvania, LP of any change in my status, including but not inge of address, admission to a bospital or nursing facility, changes that	
-71-332	ENTERALIT	E INFINITY PUMP	516060206	CO3318				arty payments, or my ability to pay for products/services prescribed by my rendered by Chartwell Pennsylvania. I.P.	
-28-126	POLE CLAM	P - INFINITY	652					a schoolednament halow you are indication that we have provided you with	
								p acknowledgement below, you are indicating that we have provided you with	

REASON PATIENT WAS UNABLE TO SIGN

## **Free Water Flushes**

![](_page_64_Picture_1.jpeg)

#### Free water boluses will be ordered by the provider

- Volume to be given
- Frequency of bolus

Free water boluses are to be given during normal awake hours only.

• If a patient requires around the clock free water bolus scheduling, they should be on the Kangaroo Joey-pump FEED and FLUSH mode.

![](_page_64_Picture_7.jpeg)

# Free Water Flushes

Free water boluses will be ordered by the provider

- Volume to be given
- Frequency of bolus

Free water boluses are to be given during normal awake hours only.

• If a patient requires around the clock free water bolus scheduling, they should be on the Kangaroo Joey Pump FEED and FLUSH mode.

![](_page_65_Picture_6.jpeg)

![](_page_65_Picture_7.jpeg)

### Tubing

- Bags are to be changed daily
- Formula hang time at room temperature
  - 8 hours for adult
  - 4 hours for pediatric and neutropenic patients
- Piston syringes are changed weekly but cleansed after each use
- Open formula can be stored in the refrigerator for 24-48 hours, depending on manufacturer recommendations

![](_page_66_Picture_7.jpeg)

![](_page_66_Picture_8.jpeg)

### **Traditional Tubes & ENFit Tubes**

![](_page_67_Figure_1.jpeg)

Specific syringes and tubing sets connect to traditional and ENFit tubes

![](_page_67_Picture_3.jpeg)

## **EnteraLite Infinity Pump**

![](_page_68_Picture_1.jpeg)

#### RATE/DOSE button to set pump

- Will toggle between rate & dose being displayed on the screen
  - Rate the rate the formula infuses
  - Dose the amount of formula to infuse
  - Use the + and buttons to increase or decrease the rate & dose
    - For INF Mode, push the + button until INF appears for infinity feeding

Routinely clean under door with damp cloth or run under water, with pump turned off and unplugged

Most alarms are reset by rebooting the pump (turning it off and back on again)

- NO FOOD will alert when there is no formula left to infuse
  - If this alarms when food is in the bag:
    - Clean the sensor under the cassette door with a damp cloth or run under water
    - Check for tubing kinks between bag and pump

![](_page_68_Picture_14.jpeg)

## Kangaroo Joey Pump

**EZMode** (continuous – EZ by battery image)

- Only adjust continuous rate
- Pump will run until tubing bag is empty

Other Modes (nothing next to battery image)

- Continuous with Volume to be infused set on pump
- Intermittent (interval feeding)
- Feed and Flush mode
  - Pump will automatically deliver free water flush as programed with feeding

Routinely clean under door with damp cloth when pump is turned off and unplugged

Most alarms are reset by rebooting the pump (turning it off and back on again)

- FEED ERROR will alert when formula is not passing through the tubing
  - Clean under door with damp cloth, when pump is turned off and unplugged
  - If this alarms when food is in the bag:
    - Clean the sensor under the cassette door with a damp cloth or run under water
    - Check for tubing kinks between bag and pump

#### EZMode (EZ by battery image)

![](_page_69_Picture_17.jpeg)

#### Intermittent, Continuous, and Feed and Flush

![](_page_69_Picture_19.jpeg)

![](_page_69_Picture_20.jpeg)

### **General Pump Information**

![](_page_70_Picture_1.jpeg)

![](_page_70_Picture_2.jpeg)

### **Pump Batteries & Charging**

![](_page_71_Picture_1.jpeg)

![](_page_71_Picture_2.jpeg)
# Pump Returns

### Pumps are delivered in a mail-back return box

- Instruct the patient to save the box, the return box will be plain and labeled "UPS PICK UP"
- If the patient discards the return box, they can package the pump in any box with appropriate padding and tape it shut

## The infusion pharmacy will contact the patient & arrange pump pick-up by UPS.

- UPS brings the shipping label
- The patient does not need to be home for UPS shipping
- Pump box labeled "UPS PICK UP" can be picked up by the UPS driver
- There is no fee to the patient for this service



Nurses are NOT to remove pumps from patients' homes. Contact pharmacy for equipment return.



#### Thank you for participating!

CPRx Nursing contact:

### Christie Fisher christina.fisher@carepathrxllc.om

412-733-1977