

Section: V		Manual:	Nursing Protocols	
		Protocol No.:	NP-V-13	
		Approved By:	VP & CNO Nursing	
Subject:		Effective Date:		
<b>VAD Daily Dressing C</b>	hange Protocol (Critical			
Care or Intermediate (	Care Units)	Revised Date:		
		Reviewed Date:	: 4/07	
<b>PURPOSE:</b> To outline the steps necessary to perform a daily sterile dressing change for a ventricular assist device (VAD) exit site.				
SUPPORTIVE	Most ventricular assist devices have cannulae (tubes) or cables (drivelines) that pass through			
DATA	the skin. With some devices, drivelines connect implanted ventricular assist devices to			
	external control units and power sources. With other devices, cannulae act as conduits for			
	blood flowing from the heart, to external pumping chambers and back to the great vessels.  Drivelines/cannulae are covered with a cloth-like material where they exit the skin. The			
	material makes it possible for tissue to grow into the driveline/cannula. This tissue ingrowth			
	effectively forms a tissue barrier around the driveline/cannula. Good tissue ingrowth and			
	effective exit site care are nece			
OUTCOME	Discharge Outcomes:			
MEASURES	1. Exit site without Signs/Symptoms of infection, redness, drainage			
ASSESSMENT	<ol> <li>Tissue ingrowth is appare</li> <li>Assess driveline/cannula</li> </ol>		S/S of infection, redness or drainage	
ASSESSMENT	2. Assess extent of tissue ing			
SUPPLIES	Surgical masks (for patie)		mo, camaia	
	Blue surgical caps (for patient and nurse)			
	Non-sterile gloves			
	Sterile gloves			
	Sterile Kerlix Super Spor	nges (3 packages o	of 5)	
	Sterile Normal saline			
	<u> </u>	orand names; Hibi	iclens, Betasept, Hibistat)	
CDECTA	Non-occlusive tape			
SPECIAL CONSIDERATIONS	• • •	e period, patients	may require pain medication prior to	
CONSIDERATIONS	<ul><li>dressing changes.</li><li>Notify the VAD coording</li></ul>	otor or Transplant	Team if the exit site becomes red, painful,	
	or develops drainage.	noi oi Transpiani	Team if the exit site occomes rea, painful,	
		creams on exit site	e unless instructed to do so by a physician.	
	_		n at the exit site, the frequency and dressing	
	change protocol may be a			

NOTE: (\*) These items require a physician's order and may be modified by the MD to meet 1 individual patient needs.

DRESSING	1. Explain procedure to patient/family. Determine if pre-medication is needed.		
CHANGE	2. Wash hands		
PROCEDURE*	<ul><li>3. Assemble supplies. Mark Sterile Saline and Chlorhexidine containers with the date they were opened. Discard after 7 days.</li><li>4. Clean sterile dressing change area</li></ul>		
	5. Put on non-sterile gloves, surgical mask and blue cap. Have patient put on surgical		
	mask and blue cap.		
	6. Prepare sterile supplies needed for dressing change:		
	a. Open 3 packages of sterile sponges		
	b. Pour Chlorhexidine solution in the corner of 1 package		
	c. Pour sterile normal saline into the second package		
	d. Keep third package dry		
	7. Undo abdominal binding taking care to not pull on the driveline/cannula. (May cause tissue ingrowth to separate from the driveline/cannula.) Remove and discard drive-line		
	dressing 8. Wash hands		
	9. Put on sterile gloves		
	10. Perform dressing change procedure. (If a patient has multiple drivelines/cannulae,		
	always start at the site furthest away, so as not to pass dirty sponges over sites that have already been cleaned.)		
	a. Cleanse around stoma with Chlorhexidine sponges. Do not use in or on stoma's surface. Do not apply to driveline/cannula. (If driveline/cannula is very soiled it may be cleansed once a week with Chlorhexidine sponges.)		
	b. Rinse area with sterile saline sponges		
	c. Wipe area dry with one dry sponge		
	d. Wrap driveline/cannula with one sterile sponge. Use remaining dry sponges to cover.		
	<ul> <li>e. Tape dressings around edges in non-occlusive manner. If skin is macerated or broken down due to frequent dressing changes, may apply Tegaderm to skin and attach tape to that. Or consider using Montgomery straps</li> <li>11. Replace abdominal binder</li> </ul>		
DOCUMENTATION	Document presence/absence of redness, drainage or S/S of infection at driveline/cannula exit site.		
AUTHOR	Nina Topic, RN, MS, Transplant CNS		
REVIEWED	Ernest A. Haeusslein, MD; Barbara DeBaun, RN, MS		
REFERENCES	Chillcott S, Chinn R, Dembitsky WP, et. al., Infection Control Guidelines for the HeartMate XVE Left Ventricular Assist System, Thoratec Corporation  ( <a href="http://www.thoratec.com/medical-professionals/pdf/InfectionControlGuidelines-RevB.pdf">http://www.thoratec.com/medical-professionals/pdf/InfectionControlGuidelines-RevB.pdf</a> )		

NOTE: (\*) These items require a physician's order and may be modified by the MD to meet 2 individual patient needs.