

CARDIOLOGY
2022

HEARTMATE3 CARE AND DISCHARGE PLANNING

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Outcomes

- The learner will understand the complexity of the transition from the family perspective
- The learner will understand how to prepare the staff, patient, and family for the transition to home
- The learner will become familiar with the criteria for discharge



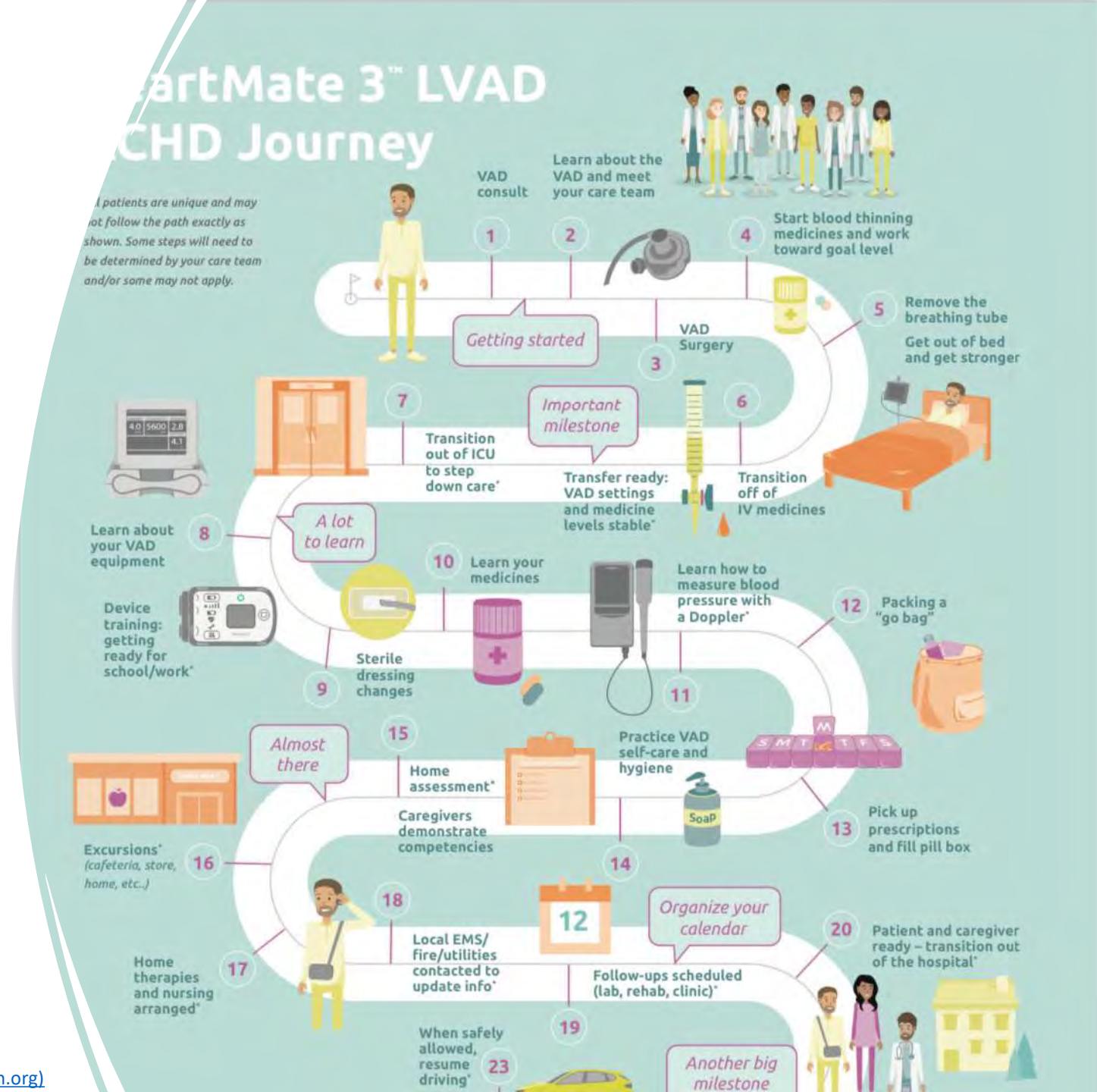
**"SUCCESS IS A JOURNEY, NOT
A DESTINATION."**



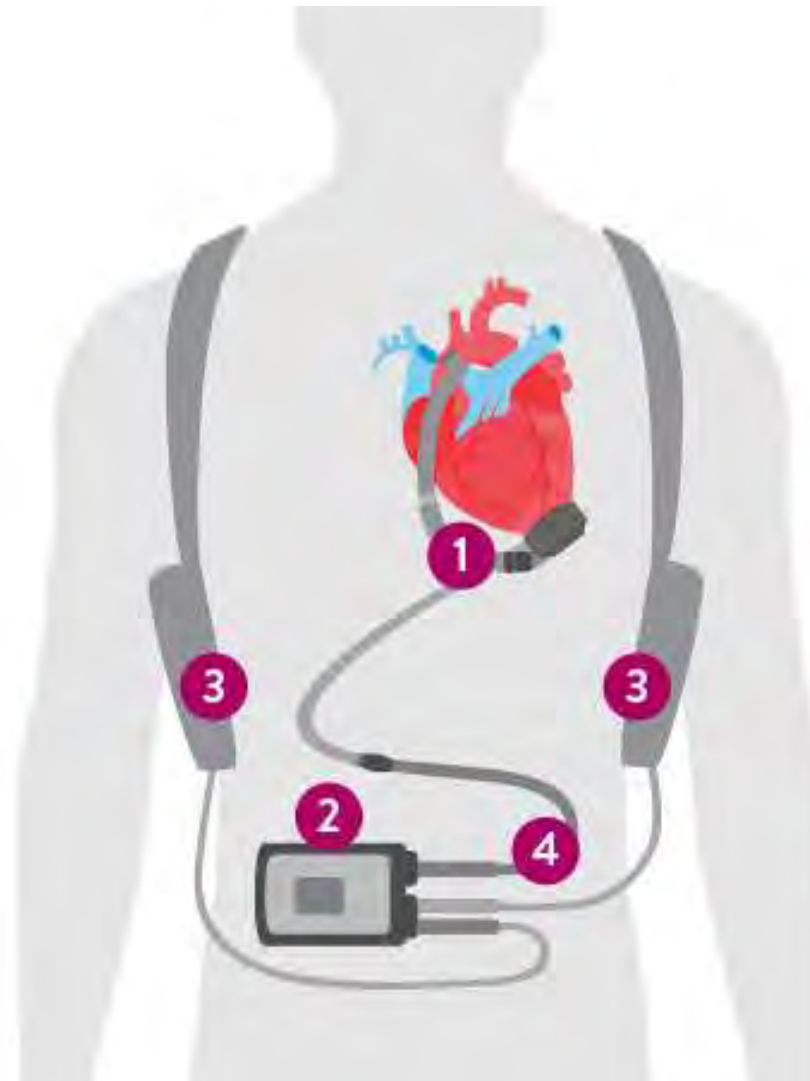
Providing the Best Quality of Life

The Journey

- Starts with VAD consult
- Day of Implant
- Recovery in CICU
- Transfer to CCU
- Home

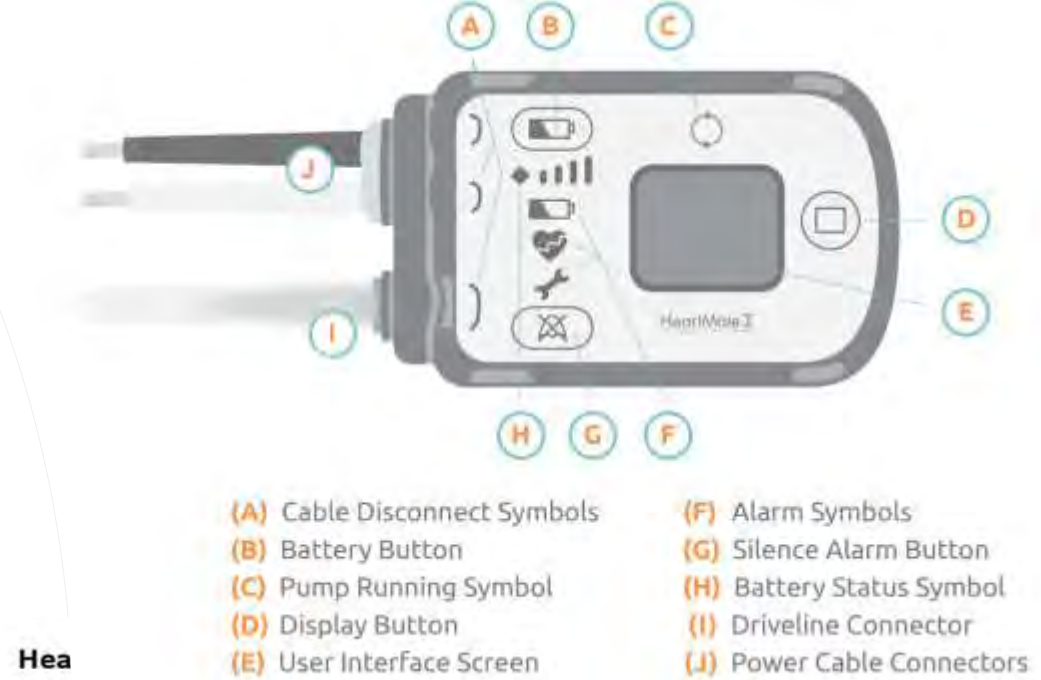


Session 1: An Overview

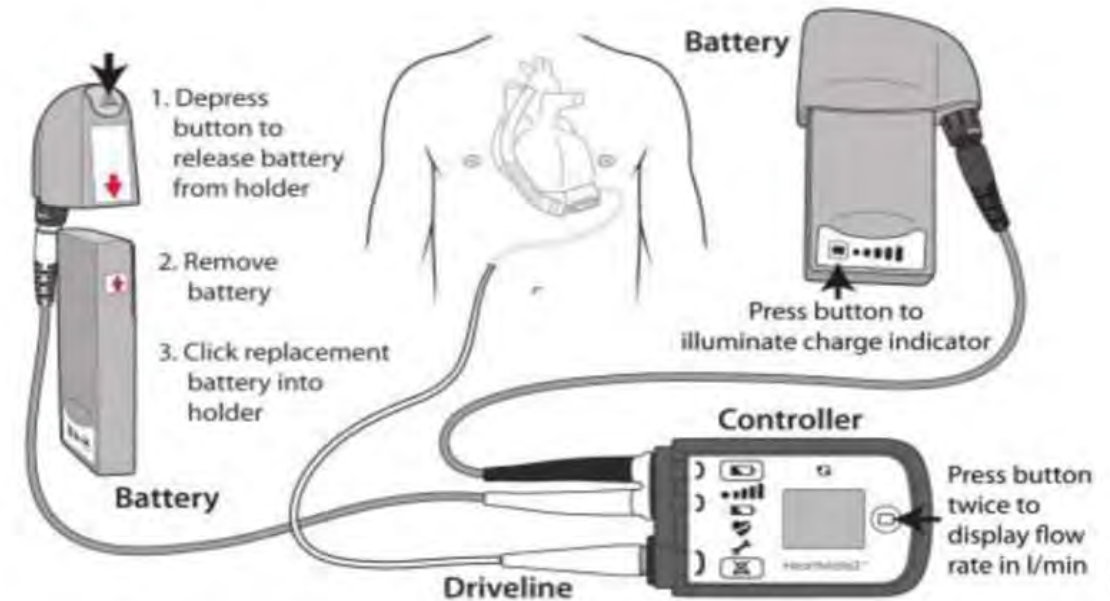


- 1 HeartMate 3 LVAD
- 2 System Controller
- 3 Batteries
- 4 Modular Driveline

Sessions 2 and 3: The Device



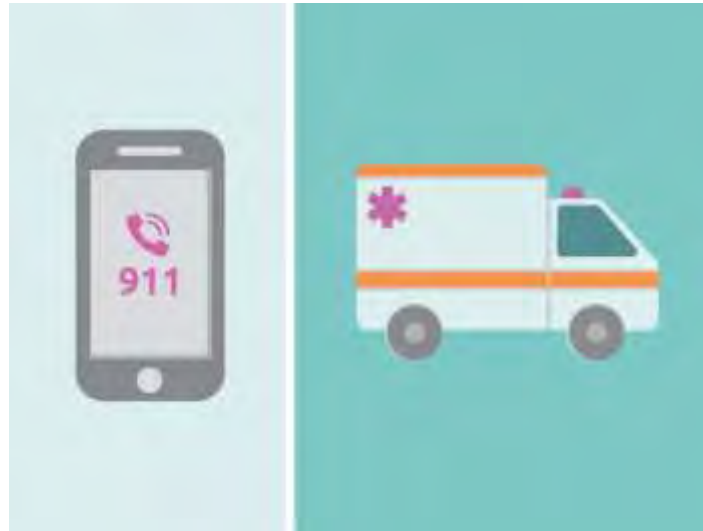
Hea



graphics team

Courtesy of Q
Elizabeth Hosp

Session 4 and 5: Home and Safety



VAD Education:			Ed Room Classes:			Dressing Change:		
	Scheduled	Completed		Scheduled	Completed		Scheduled	Completed
Session # 1			Dressing Change Class			Observation #1		
Session # 2			CPR			Observation #2		
Session # 3			Medication Administration			Observation #3		
Session # 4			Lovenox			Change #1		
Session #5			Coumadin			Change #2		
Comments:			Comments:			Comments:		
Sign Off:			Sign Off:			Sign Off:		
Case Management Supplies			Perfusion Supplies			Medications		
Dressing Supplies			Back Up Controller			Pharmacy		
Prior Auths			8 Batteries			Ordered By		
AED			Mobile Power Unit			Ordered On		
Shower Chair	If applicable		Battery Charger			Pill Box Filled		
Home Care Visit	If applicable		Shower Bag					
Home Nursing	If applicable							
Comments:			Comments:			Comments:		
Sign Off:			Sign Off:			Sign Off:		
Homework			Excursions			Discharge		
Community Contacts			Internal			Goal Date		
Home Inspection			External			D/C Date		
Comments:			Comments:			Comments:		
Sign Off:			Sign Off:			Sign Off:		

Case Management Needs

- Dressing Change supplies
- AED- if applicable
- Prior Authorization for medications
- Home nursing visits
- Home assessment

Home Assessment:
To be completed before discharge to home
Performed by: Interview or Physical Home Assessment

Name of Person Performed Assessment: _____ Date: _____

	Acceptable	Date Assessed	Action Plan	Date Completed
Electrical Safety				
Home has electricity	<input type="checkbox"/> Yes <input type="checkbox"/> No			
There is at least one grounded electrical outlet in the patient's bedroom not connected to a switch	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Outlets in the home are properly grounded	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Household Safety				
Overall condition of the house is good.	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Home has running water	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Stairs are secure and in good shape	<input type="checkbox"/> Yes <input type="checkbox"/> No			

	Acceptable	Date Assessed	Action Plan	Date Completed
Household Safety				
Furniture is arranged for good traffic flow	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Home has adequate lighting throughout	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Restrooms are easily accessible	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Entrances to the home are clear and stable	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Patient has access to a phone in an emergency	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Emergency phone numbers easily located	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Falls Safety				
Showering facilities are equipped with a non-skid surface	<input type="checkbox"/> Yes <input type="checkbox"/> No			
All rugs are secure or have been removed	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Floors and hallways are free of clutter and possible hazards	<input type="checkbox"/> Yes <input type="checkbox"/> No			

Education room classes

- CPR
- Medications
- Coumadin
- Lovenox
 - In case of INR bridge at home
- Dressing change class
- Patient Family Education
 - Discharge after cardiac surgery
 - Medical Alert Bracelet
 - What to bring to clinic
 - Field Trips





Dressing Changes

- Observe
- Education Room Class
- Assisted dressing change with nursing
- Independent
- Shower

Excursions

- Internal
 - 2-4 hours within hospital, where CODE team can respond
- External
 - 4-6hrs outside hospital close by



Community Outreach

- Notify local hospitals
- Notify responding EMS
- Teach school/ jobs

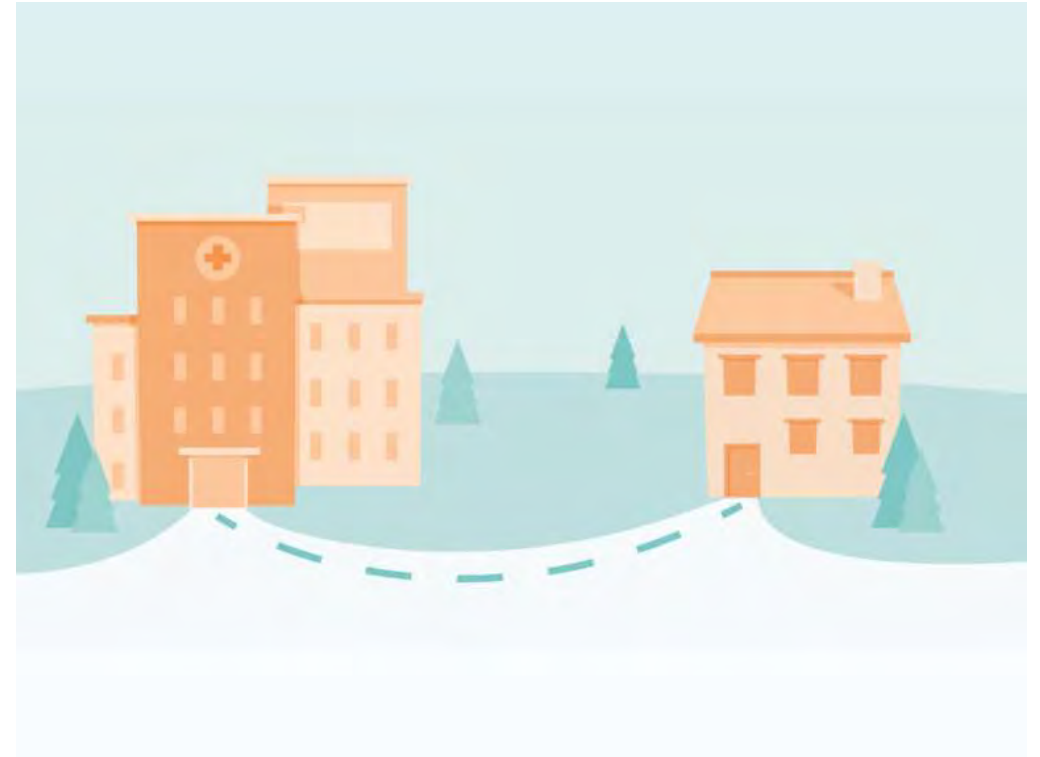


Day Before Discharge

- Pharmacy teaching
- Fill Pill Box
- Off Telemetry at night
- On home power device
- Review AED



Day of Discharge





References

- **DiFusco, L.A.,** Helman, S.M. (2018). Management of pediatric driveline sites in the hospital and home setting. *ASAIO J*, 64(6), e181-e186.
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- **DiFusco, L.A.,** Saylor, J., & Schell, K. (2020). Maternal experiences of caring for a child with a ventricular assist device. *Pediatric Transplantation*, 24(1), 13620. doi:10.1111/petr.13620.
- **DiFusco, L.A.** (February 2021). More than mechanics: Social determinants of health among adolescents with a Ventricular Assist Device (VAD) in the community. *23rd Annual Update on Pediatric Congenital Cardiovascular Disease*.
- **DiFusco, L.A. & Saylor, J.** (November 2021). Social determinants of health among adolescents with a Ventricular Assist Device (VAD). *46th Biennial Convention of Sigma Theta Tau International Honor Society for Nursing*, Indianapolis, IN. (Powerpoint slide presentation)
- **DiFusco, L.A. & Edelson, J.** (May 2021). Post-Intensive Care Unit Management of Patients on Ventricular Assist Devices. *University Medical Center, Ho Chi Minh City, Vietnam*



**THANK
YOU!**