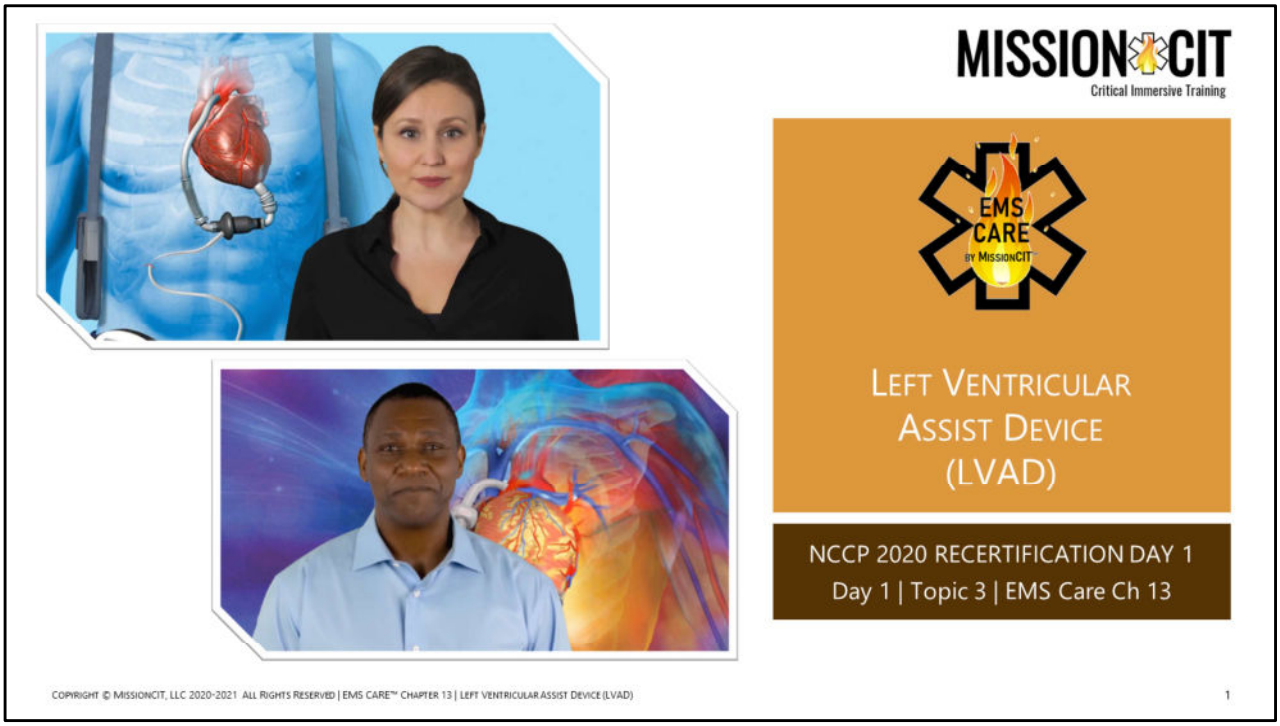


Hello and Welcome, and thank you for selecting MissionCIT's EMS Care courseware. I am Missah, your host for the first part of this Chapter About Left Ventricular Assist Device (LVAD).

My colleague Justin and I will take turns presenting the material.

As a reminder, or if you are starting in this Chapter, most of the course materials are available via audio. The audio

is intended to complement the written materials and may vary from the slide deck's words. More importantly, we will include some essential additional information. So be sure to listen carefully.

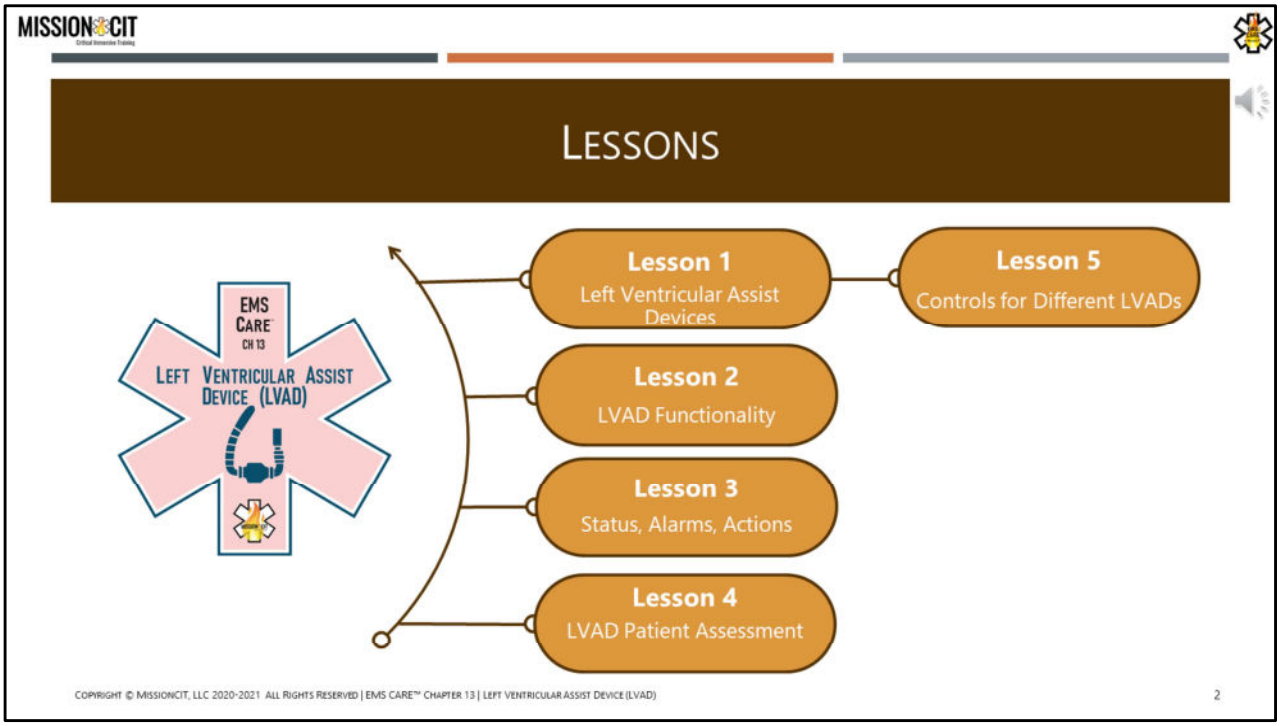
Justin, do you have anything to add?

Thank you Missah. First, I want to thank the course Instructor Aimee Lynn Roberts for providing the guidance and material to share with you. Aimee is a certified EMS-I, has trained untold thousands of EMS students, and was honored with the Connecticut EMS Instructor of the Year award.

And if you would like to follow our words, please click the link below to see the speech text. Also, please look for embedded 3d models and animations in the pop-up text. We hope you find them helpful. You can rotate the model using the left-click of your mouse, or one-finger on a touch screen device. Also, you can slide the model using the right-click, or two-fingers on a touch screen. And you can make them larger or smaller using the mouse wheel, or finger gestures as you would for a

clicking in the lower right-hand corner of the model image. We have included a 3d model on this page so you can try it out.

I will next provide a brief intro into the course. Good studying.



There are 6 key concepts in this LVAD topic. At the end, you should know:

First, what is an LVAD and why is it used.

Next, is how to assess an LVAD patient.

Number three is to understand how an LVAD works.

Fourth is how to evaluate an LVAD device, and manage malfunctions if needed.

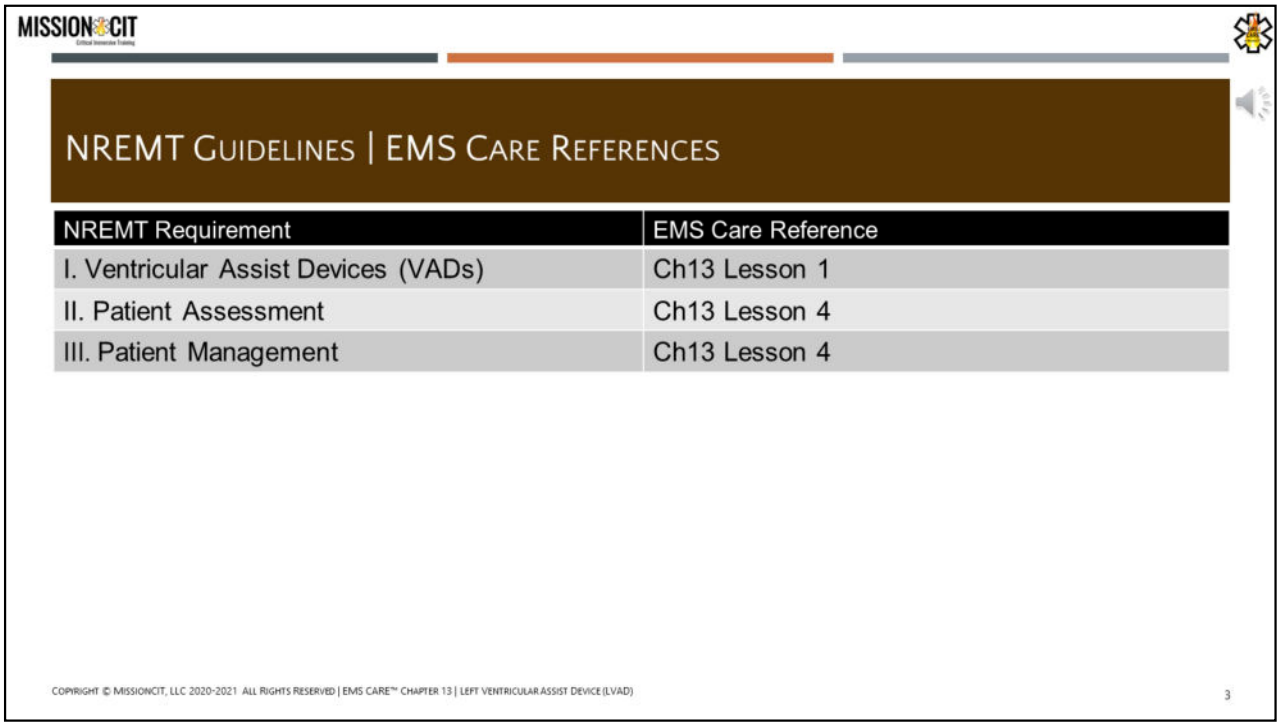
Number 5 is the immediate information you need to gather on scene, in case you need to call for ALS and

the Type of Advanced Life Support you may require

Finally, you will review the Generation 2 and 3, LVAD devices you may encounter.

And, there will be a 10 question quiz at the end. You will need to answer 75% of the questions accurately to get credit for this topic.

Good Studying.



The NREMT educational guidelines are listed in the table on this slide. You can reference the associated EMS Care lesson where the material is found. This Chapter's subject matter fully covers these standards, along with supplemental knowledge where appropriate.

The main NREMT Requirements are to understand and identify Ventricular Assist Devices. And gain knowledge on assessing and managing LVAD patients.