

Circulatory & Ventricular Assist Devices

INFORMATION GUIDE



Other names:

- Heart Pump
- Mechanical Pump
- Ventricular Assist Device (VAD)
- Left Ventricular Assist Device (LVAD)
- Left Ventricular Assist System (LVAS)
- Right ventricular assist device (RVAD)
- Biventricular assist device (BIVAD)
- Total Artificial Heart (TAH)

The purpose of this guide is to help patients and families find sources of information and support. This list is not meant to be comprehensive, but rather to provide starting points for information seeking. The resources may be obtained at the Mardigian Wellness Resource Center located off the Atrium on the 2nd floor of the Cardiovascular Center. Visit our website at <http://www.umcvc.org/mardigian-wellness-resource-center> and online Information Guides at <http://infoquides.med.umich.edu/home>

Michigan Medicine Resources

- **Cardiac Surgery Center for Circulatory Support (CCS)**
<http://www.med.umich.edu/cardiac-surgery/patient/adult/ccs/>
Examples of the many options for mechanical circulatory assistance available at the Center for Circulatory Support at the University of Michigan include:
<http://www.med.umich.edu/cardiac-surgery/patient/adult/ccs/vad.shtml>
- **Cardiovascular Disease Prevention & Rehabilitation Program** at Domino's Farms offers a number of relevant programs and services including:
 - Cardiac Rehabilitation Program
 - Exercise Consultations
 - Nutrition Services
 - Stress Management ServicesFor more information access <http://www.umcvc.org/medical-services/cardiovascular-disease-prevention-and-rehabilitation> or call: 734.888.287.1082



- **University of Michigan Adult Heart Transplant & Center for Circulatory Support VAD Support Group**

The VAD Patient and Family Support Group is comprised of pre and post heart transplant patients and their families. The goal of the group is to provide a place where patients and families can receive both professional and peer support on a regular basis.

Meetings are usually on the first Monday of the month. For further information see the following <http://www.umcvc.org/heart-transplant-lvad-support-group>
Or call 888.287.1082

- **Tobacco Consultation Service**

Group and individual quit-smoking programs.

For more information access: <http://hr.umich.edu/mhealthy/programs/tobacco/>
or call (734) 998-6222 or email quitsmoking@med.umich.edu

Books

- Halben, Ruth. **Heart 2 Heart: Stories from Patients with Left Ventricular Assist Devices**. Ann Arbor, MI: Michigan Publishing, 2017.

Brochures, Fact sheets

- MedlinePlus. **Ventricular Assist Device**. A printable copy is available at: <http://www.nlm.nih.gov/medlineplus/ency/article/007268.htm>
- HeartWare®. **HeartWare® Ventricular Assist System Patient Manual** http://www.heartware.com/sites/default/files/uploads/resources/ifu00184_re_v07_patientmanual_uspma.pdf

Articles

- Givertz, Michael M. "Cardiology Patient Pages: Ventricular Assist Devices: Important Information for Patients and Families". *Circulation: Journal of the American Heart Association*. 2011;124:e305-e311.
Access online at: <http://circ.ahajournals.org/content/124/12/e305>



Audiovisual Resources

- HeartWare®. **HVAD (HeartWareVAD) System Animation Video.**
<https://www.youtube.com/watch?v=hwuNdyTaxXg>
- Thoratec. **Heartmate II® Left Ventricular Assist Device (Thoratec) Video**
https://www.youtube.com/watch?v=ev_01gQVWAM
- University of Colorado, School of Medicine, National Institutes on Aging and Patient-Centered Outcomes Research Institute. **Left Ventricular Assist Device (LVAD).**
<https://patientdecisionaid.org/lvad/>
This video is for patients with heart failure who are trying to decide whether to get a left ventricular assist device (LVAD) for permanent treatment.

Web Resources

- **HeartWare®**
<http://www.heartware.com/>
→ Near the top of the page click on **"Patients & Caregivers"**
This site has information explaining what a VAD is, a downloadable patient manual and patient news and stories.
- **Thoratec Corporation** providers of the HeartMate II® LVAD and the CentriMag® Blood Pump
<http://www.thoratec.com/patients-caregivers/index.aspx>
This site has basic information on VAD's. Some materials may be accessed online and some may be requested on the site.
- **American Heart Association: Implantable Medical Devices**
http://www.heart.org/HEARTORG/Conditions/HeartAttack/PreventionTreatmentofHeartAttack/Implantable-Medical-Devices_UCM_303940_Article.jsp
- **National Heart, Lung, and Blood Institute (NHLBI): Ventricular Assist Devices**
<http://www.nhlbi.nih.gov/>
→ Under **"Health Topics"** click on **"See all Health Topics"**
→ Click on **"V"** under A-Z Index
→ Click on **"Ventricular Assist Device"**
This section provides an easy-to-read overview of the condition including causes, symptoms, diagnosis and treatment.



- **SynCardia Systems, Inc.** providers of the CardioWest™ Temporary Total Artificial Heart
<http://www.syncardia.com/>
→ Near the top of the page click on “**For Patients**”
Information is provided here on general heart education as well as what to expect with a total artificial heart as well as a downloadable Patient Brochure.

Patient Support Organizations

- **American Heart Association**
<http://www.heart.org>
1-800-242-8721
- **MyLVAD**
<http://www.mylvad.com/>
This site is an Internet based community for LVAD recipients, their families and friends. It helps those with LVADs to reach out, network and better understand their new lives through their connections with others.

This document contains information and/or instructional materials developed by the University of Michigan Health System (UMHS) for the typical patient with your condition. It may include links to online content that was not created by UMHS and for which UMHS does not assume responsibility. It does not replace medical advice from your health care provider because your experience may differ from that of the typical patient. Talk to your health care provider if you have any questions about this document, your condition or your treatment plan.

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