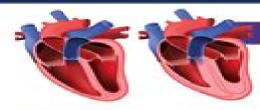


# Exercising with Hypertrophic Cardiomyopathy (HCM)



# What is HCM?

- HCM = Hypertrophic Cardiomyopathy
- Affects 1 in 200 500 people worldwide
- HCM is a genetic heart condition that causes thickening of the heart muscle
- HCM can result in abnormal heart function, reduced blood flow out of the heart or an abnormal heart rhythm.

# Exercise and HCM

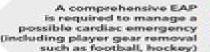
Exercise is encouraged for people with HCM, even in those with ICDs.1

Mild to moderate physical activities improve fitness, quality of life, and lowers traditional cardiac risk factors (high blood pressure, high cholesterol), even in those with HCM.<sup>2</sup>

High intensity activity/ competitive sports may be possible after evaluation and guidance by an expert HCM cardiologist.



See your doctor: Physician expert provides a personal exercise prescription



Proper hydration and replenishment of electrolytes for exercise Increase hydration for hotter days and longer activities





Make AEDs accessible and usable within 3.5 min



CPR and AED training is imperative for coaches, officials, and athletic medical staff (all key stakeholders in athletics)

# WHEN TO WORRY

Worsening shortness of breath Dizziness or fainting Chest pain Heart palpitations or fluttering

# 5 Things to Remember For Your Student Athlete



Each HCM patient requires an individualized exercise program. 102

Some HCM patients may need a defibrillator

Avoid dehydration and advise no medicines with stimulants and no exercise during viral illnesses. Initiate and maintain communication with the patient and the treating cardiologist. HCM patients' 1st degree relatives are at risk to have HCM.

#### Albibrowlattions:

ICD: Implantable Cardioverter-Defibrillator EAP: Emergency Action Plan

AED: Automated external defibrillators CPR: Cardiopulmonary resuscitation

#### Faculty:

Chad Asplund, MD Eli M. Friedman, MD, FACC Matthew W. Martinez, MD, FACC Dermot M.J. Phelan, MD, PhD, FACC

#### Charles and a construction

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# **Heart And Exercise A Practical Guide For The Clinician**

**M Tight** 

# **Heart And Exercise A Practical Guide For The Clinician:**

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The Advanced Practice Nurse Cardiovascular Clinician Kelley Anderson, 2015-10-20 Focusing on the interdisciplinary team this cardiovascular resource provides evidence based knowledge and guidance for advanced practice nurses in a variety of care settings Its clinically relevant and directly applicable information is presented in an accessible and well organized format The book encompasses clinical findings diagnostic testing state of the art procedures and therapeutic interventions commonly utilized in inpatient and outpatient clinical cardiology. It is specifically designed to meet the informational needs of advanced practice registered nurse providers and students including family nurse practitioners adult gerontology acute care nurse practitioners nurse anesthetists and clinical nurse specialists. The resource covers the range of cardiovascular conditions both chronic and acute It discusses the interdisciplinary cardiovascular care team explains the cardiovascular history and clinical examination in nearly step by step detail analyzes clinical findings details common stable and urgent conditions describes the preoperative cardiovascular evaluation advises on the selection and appropriateness of laboratory evaluations and cardiovascular diagnostic studies provides an overview of state of the art procedures including electrophysiology and assesses therapeutic interventions including lifestyle pharmacotherapeutics and invasive techniques It supports the development of clinical judgment skills and therapeutic decision making by considering the challenges presented through advances in technology and the increasing complexity of diagnostic procedures An appendix features tables of relevant and essential cardiovascular guidelines for quick reference Key Features Details current and cutting edge practices and contemporary issues in cardiovascular care Applies evidenced based research findings to clinical practice Compares diagnostic testing options and therapeutic interventions Clarifies complex topics through use of tables algorithms images and lists Identifies pertinent studies and resources for cardiovascular care Describes common cardiac procedures and screening methods Supports the development of clinical judgment skills and therapeutic decision making Nadel's Textbook of Respiratory Medicine E-Book V. Courtney Broaddus, Joel D. Ernst, Talmadge E. King Jr, Stephen C. Lazarus, Kathleen F. Sarmiento, Lynn M. Schnapp, Renee D. Stapleton, Michael B. Gotway, 2021-05-28 Known for its clear readability thorough coverage and expert authorship Murray advanced ultrasound applications and procedures interventional pulmonology immunotherapy lung cancer targeted therapy outbreaks pandemics and bioterrorism point of care ultrasound use of high flow oxygen and more Includes extensively reorganized sections on basic science pleural disease and sleep with new chapters and approaches to the topics Features more than 1 450 anatomic algorithmic and radiologic images 400 are new including CT PET MR and HRCT plus extensive online only content 200 procedural and conceptual videos plus audio clips of lung sounds Brings you up to date with the latest respiratory drugs mechanisms of action indications precautions adverse effects and recommendations with increased emphasis on algorithms to illustrate decision making Enhanced eBook version included with purchase Your enhanced eBook allows you access to all of the text figures reporting templates and references from the book on a variety of devices The Practical Home Physician Lyman, 1886

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