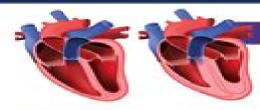


Exercising with Hypertrophic Cardiomyopathy (HCM)



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

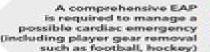
Exercise is encouraged for people with HCM, even in those with ICDs.1

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.²

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:

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Charles and a construction

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Heart And Exercise A Practical Guide For The Clinician

Richard Bailey

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The Heart and Exercise Randal J. Thomas, 1996 **The Heart and Exercise** Randal J. Thomas, 1996 **Essentials** Of Hospital Medicine: A Practical Guide For Clinicians Andrew Dunn, Navneet Kathuria, Paul Klotman, 2012-11-14 Hospital Medicine is the fasting growing field of Medicine and the importance of hospitalists in the delivery of care and success of hospitals continues to increase The practice of hospital medicine is both rewarding and challenging hospitalists need to provide high quality care using the best available evidence in an efficient cost effective manner In recognition of the need for rapid access to essential information this text provides a concise yet comprehensive source for busy clinicians Essentials of Hospital Medicine provides detailed reviews of all clinical topics in inpatient medicine including common diagnoses hospital acquired conditions medical consultation and palliative care as well as key non clinical topics such as quality improvement tools approach to medical errors the business of medicine and teaching tips It is the single source needed for hospitalists striving to deliver outstanding care and provide value to their patients and hospitals Guide to the Evaluation of Clinical Competence E-Book Eric S. Holmboe, Steven James Durning, 2023-11-24 Offering a multifaceted practical approach to the complex topic of clinical assessment Practical Guide to the Assessment of Clinical Competence 3rd Edition is designed to help medical educators employ better assessment methods tools and models directly into their training programs World renowned editors and expert contributing authors provide hands on authoritative quidance on outcomes based assessment in clinical education presenting a well organized diverse combination of methods you can implement right away This thoroughly revised edition is a valuable resource for developing implementing and sustaining effective systems for assessing clinical competence in medical school residency and fellowship programs Helps medical educators and administrators answer complex ongoing and critical questions in today's changing medical education system Is this undergraduate or postgraduate medical student prepared and able to move to the next level of training To be a competent and trusted physician Provides practical suggestions and assessment approaches that can be implemented immediately in your training program tools that can be used to assess and measure clinical performance overviews of key educational theories and strengths and weaknesses of every method Covers assessment techniques frameworks high quality assessment of clinical reasoning and procedural competence psychometrics and practical approaches to feedback Includes expanded coverage of fast moving areas where concepts now have solid research and data that support practical ways to connect judgments of ability to outcomes including work based assessments clinical competency committees milestones and entrustable professional assessments EPAs and direct observation Offers examples of assessment instruments along with suggestions on how you can apply these methods and instruments in your own setting as well as guidelines that apply across the medical education spectrum Includes online access to videos of medical interviewing scenarios and more downloadable assessment tools and detailed faculty guidelines An eBook version is included with purchase The eBook allows you to access

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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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