

Cardiologist Checklist This list is what Beaumont Student Heart Check recommends. It is only a suggestion.



1. Evaluate the student's history form

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ask students if they reviewed their form. Have them elaborate on any abnormal responses to determine an increased risk or concern			
categorize a student as "Play But Follow Up" if there is anything that suggests cardiac risk			
refer students with potential cardiac risk to their primary care physician for further evaluation (their PCP can make the cardiologist referral)			
2. Do a physical exam			
review all students' blood pressure (BP) readings before the exam ***If the first and second readings are above a normal range, do a third BP reading after your exam. Nervousness can elevate blood pressure. Make sure students return to you after this third reading to determine if a follow-up is needed with his/her PCP.			
if the BP is greater than 150 over 90, the student should "Stop" playing until a further evaluation by the PCP ***For a BP of 130 over 80, students can "Play But Follow Up" with their PCP.			
listen for heart murmurs, clicks or abnormal heart sounds			
check the pulse on the right arm and lower extremities			



3. Interpret the ECG The Seattle criteria for ECG interpretations

write out an explanation)

THE	Jollowing is based on the Seattle Criteria for ECG interpretations
	pay close attention to the QTC (re-measure if necessary)
	use Bazzett's equation (the R-R interval should be measured in seconds): $QT_c = \frac{QT}{\sqrt{R-R}}$
	get further evaluations for PVCs
	please note a right atrial rhythm can be normal in adolescents
	students should "Stop" playing sports and get a further evaluation for all suspected WPWs
	do not write on the ECG
	any notes should be clearly printed and written in easy-to-understand, layman terms (it's okay to

avoid using technical terms or abbreviations (e.g., "Incomplete right bundle branch block, LVH")





4. Do a "quick look" echo We suggest looking at five views

#1: Parasternal long axis view Pay attention to:
the left atrial size LV size and function a quick evaluation of the right side of the heart can be made at this time the heart can be made at this time if apex is not well seen, move the transducer down as an additional view
#2: Parasternal long axis view with color Focus on: LV outflow
#3: Four-Chambered view Pay particular attention to: chamber sizes
#4: Five-Chambered view Look at the: LV outflow mitral valve flow.
#5: Five-Chambered view with color Look for: Outflow turbulence
During these views: make measurements when necessary you're looking for hypertrophic cardiomyopathy, not diagnosing other conditions a bicuspid aortic valve or suspicion for an ASD may be apparent ***These conditions might be abnormal and warrant further diagnosis - but are not life-threatening. Students with these symptoms will need a follow-up exam but more than likely won't need a "Stop" designation.
 Summarize your findings sign off on the student results and make sure your notes are legible with understandable, non-medical terms
 Discuss abnormal concerns students recommended to "Stop" playing should have the reasons explained to them and their parents when discussing your concerns, remind them this is a screening exam, not a diagnosis ***The purpose of this screening is to find those who might be at risk for sudden cardiac arrests. explain that student heart checks are not equipped to perform more detailed studies ***Findings are non-conclusive and by no means justify a diagnosis. Any abnormalities, however, are enough reason to warrant a more in-depth evaluation.
make students and parents aware your findings do not mean there is an increased risk for a cardiac event but you recommend the student "Stop" playing until a further evaluation can be done Beaumont CHILDREN'S