

Sports Medicine - Open

Fine tuning ECG interpretation for young athletes: ECG screening using Z-score-based analysis

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Supplementary table 1: Relevant positive answers in the health screening questionnaire for collegiate athletes

Questions/Items		Number of people who answered Yes	
Past Medical History	Asthma	6	
	Diabetes	0	
	Hypertension	1	
	Seizures	0	
	Other	4	
Current Medications (Any cardiac medications including antiarrhythmics, antihypertensives, and/or diuretics? Albuterol PRN is excluded)		1 (Lisinopril)	
Cardiac related symptoms/history	Do you get chest pain when you exercise?	7	
	Have you ever passed out during or immediately after exercise?	6	
	Do you have difficulty breathing or unexplained fatigue during exercise that is new or getting worse?	4	
	Does your heart ever race (suddenly beat fast) without good reason?	2	
	Have you ever been diagnosed with any of the following conditions?	High blood pressure	1
		Heart infection	0
		High cholesterol	0
		Kawasaki disease	1
		Another heart problem	2 (murmur)
	Has a doctor ever ordered a test for your heart? (for example, ECG/EKG, and/ or Echocardiogram)		5
Family history	Has any of your family died from a heart problem before the age of 50?	4	
	Has anyone in your family died suddenly for an unknown reason before the age of 50 (including sudden infant death syndrome (SIDS), unexpected car accident, or drowning)?	1	
	Does anyone in your family have any of the following medical problems?	Hypertrophic cardiomyopathy	1
		Dilated cardiomyopathy	0
		Catecholaminergic polymorphic ventricular tachycardia	1
		Brugada syndrome	0
		Arrhythmogenic right ventricular cardiomyopathy (ARVC)	0
		Marfan syndrome	0
		Long QT syndrome	0
		Short QT syndrome	0
		SVT	1
		Unknown heart condition	1