

## 14-element AHA Cardiovascular Screening Checklist for Congenital and genetic Disease Questionnaire plus ECG and Echo Data Collection Tool

## The 14-Element AHA Cardiovascular Screening Checklist for Congenital and Genetic Heart Disease

## Personal history

Yes No

- 1. Chest pain/discomfort/tightness/pressure related to exertion
- 2. Unexplained syncope/near-syncope\*
- 3. Excessive exertional and unexplained dyspnea/fatigue or palpitations, associated with exercise
- 4. Prior recognition of a heart murmur
- 5. Elevated systemic blood pressure
- 6. Prior restriction from participation in sports
- 7. Prior testing for the heart, ordered by a physician

## Family history

**Yes** **No**

- 8. Premature death (sudden and unexpected, or otherwise) before age 50 attributable to heart disease in  $\geq 1$  relative
- 9. Disability from heart disease in close relative  $< 50$  y of age
- 10. Hypertrophic or dilated cardiomyopathy, long-QT syndrome, or other ion channelopathies, Marfan syndrome, or clinically significant arrhythmias; specific knowledge of certain cardiac conditions in family members

## Physical Examination

Yes No

- 11. Heart murmur\*\*
- 12. Femoral pulses to exclude aortic coarctation
- 13. Physical stigmata of Marfan syndrome
- 14. Brachial artery blood pressure (sitting position)\*\*\*

\*Judged not to be of neurocardiogenic (vasovagal) origin; of particular concern when occurring during or after physical exertion.

\*\*Refers to heart murmurs judged likely to be organic and unlikely to be innocent; auscultation should be performed with the patient in both the supine and standing positions (or with Valsalva maneuver), specifically to identify murmurs of dynamic left ventricular outflow tract obstruction.

\*\*\*Preferably taken in both arms.

## Data collection tool

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