

# Pediatric Initial Outpatient Transthoracic Echocardiography

## KEY QUESTIONS AND DECISION VARIABLES FOR APPROPRIATE TESTING

- 1. Are there concerning signs or symptoms of cardiac condition?**
  - Palpitations
  - Syncope
  - Chest pain
  - Murmur
- 2. Are there abnormal test results needing further testing?**
  - Abnormal ECG
  - Abnormal chest X-ray
- 3. Are there systemic disorders that could impact the heart?**
  - Hematology-Oncology disorders
  - Systemic or pulmonary hypertension
  - Prior medical therapy that could affect the heart
  - Connective tissue disorder
  - Inflammatory or Infectious conditions
- 4. Are there predisposing genetic conditions or concerning family history?**

# Pediatric Echocardiography

## TOP REASONS FOR WHICH A PEDIATRIC TTE IS RARELY APPROPRIATE

### 1. Benign family history and no other symptoms or signs of cardiovascular disease

- Palpitations with normal ECG
- Syncope with normal ECG
- Chest Pain with normal ECG
- Innocent murmur

### 2. Systemic disorders

- Obesity without other cardiac risk factors
- Fatigue
- Diabetes or lipid disorders
- Gastrointestinal disorders
- Seizures, other neurologic disorders

### 3. Asymptomatic patient with family history of premature coronary artery disease, or other cardiovascular risk factors

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