Pediatric Initial Outpatient Transthoracic Echocardiography

KEY QUESTIONS AND DECISION VARIABLES FOR APPROPRIATE TESTING

1. Are there concerning signs or symptoms of cardiac condition?
   - Palpations
   - 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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