

Chest Pain Algorithm

Children's Healthcare of Atlanta Cardiology



Children'sSM
Healthcare of Atlanta
Cardiology

Pain Features

Acute onset (<48 hours)
Positional (worse supine, improved with leaning forward)
With exercise

YES

NO
↓

Associated Symptoms

Palpitations
Syncope
Unexplained shortness of breath

YES

NO
↓

Additional Symptoms

Syncope during exercise, emotion or startle
Syncope after exercise
Extreme fatigue associated with exercise (different from others their age)
Unusual or extreme shortness of breath

YES

NO
↓

Additional Medical History

Congenital Heart Disease
Kawasaki Disease
Turner Syndrome

YES

NO
↓

Obtain
Cardiovascular
Evaluation

Family History

Any family members who died suddenly of heart problems before age 50?

Any family members who have unexplained fainting or seizures?

Any relatives with the following conditions:

- Hypertrophic cardiomyopathy
- Dilated cardiomyopathy
- Connective tissue disorder (Marfan or Ehlers-Danlos Syndrome)
- Aortic Rupture, dissection or aneurysm

YES

NO

Physical Exam Features

Unexplained fever

Signs of connective tissue disease (Marfan)

Pathologic Murmur

Rub

Click

Kawasaki criteria

Signs of heart failure

Xanthomas

YES

NO

Obtain
Cardiovascular
Evaluation

Chest pain is likely non-cardiac - patient does not require cardiovascular evaluation

To make a referral, call 404-256-2593 or 800-542-2233



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