

Definition of acute rheumatic fever

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Definition, Etiology, PathogenesTop Acute Rheumatic Fever (ARF) is an autoimmune disease caused by an excessive immune response to group A 160; beta-haemolytic streptococcus (GABHS) infection, which occurs in ~3% patients with untreated streptococcal pharyngitis and tonsillitis. The immune response is directed against epitopes similar to proteins present in the myocardium, heart valves, synovia, skin, hypothalamus and caudate nucleus. The disease is rare in developed countries, but the incidence is higher in low-income and middle-income countries, particularly in Africa, and in some indigenous populations, such as those in Australia and New Zealand. It is generally diagnosed in children aged between 5x160; and fifteen years. **Clinical and Natural History**Top 1. Signs and symptoms of streptococcal pharyngitis (see pharyngitis (Tonsillitis)). 2. Signs and symptoms of rheumatic fever usually develop 2nd 3rd and 160; weeks after pharyngitis: 1) polyarthrits affecting large joints (35%-66% of patients) is always asymmetric and accompanied by characteristic swelling, severe pain, tenderness and erythema. The untreated arthritis persists for 2nd to 3rd 160;weeks and does not lead to permanent joint damage. 2) Carditis (50%-70% of patients) may include endocardium, myocardial infarction and pericardium, but valvulitis is the most common characteristic. Even if you can hear sounds of aortic or mitral rigors, you increasingly recognize the diagnosis for echocardiography in the absence of hearing results. 3) Korean Sydenham (10%-30% of patients) manifests as involuntary movements of the trunk or extremities. It is associated with muscle weakness and emotional lability. 4) Erythema marginatum (

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