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Manuscript Type: ORIGINAL ARTICLE

Retrospective Study

Risk factors analysis of prognosis of adult acute severe myocarditis

Risk factors of severe myocarditis

Abstract

BACKGROUND

Adult severe myocarditis has a high hospital mortality rate.

AIM

To analyze the risk factors affecting the short-term prognosis of adult acute severe myocarditis.

METHODS

Adult patients with acute severe myocarditis (ASM Group, $n = 218$) and acute non-severe myocarditis (ANSM Group, $n = 80$) who came to our department from January 2014 to January 2020 were enrolled to this study. Patients with ASM were divided into ASM Survival Group ($n = 185$) and ASM Non-survival Group ($n = 33$) according to the treatment results during hospitalization. The clinical symptoms, laboratory

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Risk Factors Analysis of Prognosis of Adult Acute Severe Myocardit



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patients with **acute myocarditis** under MCS.5-8 The **factors** influencing the **prognosis** of **acute myocarditis** are also important. Several studies have reported that poor left ventricular systolic function at admission or discharge and in-hospital arrhythmia contribute to ...

Risk factors for adverse cardiac events in adults with ...

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Author: Tie-Duo Kang, Yan-Long Ren, Han Zhao,... **Publish Year:** 2020

Myocarditis - Symptoms and causes - Mayo Clinic

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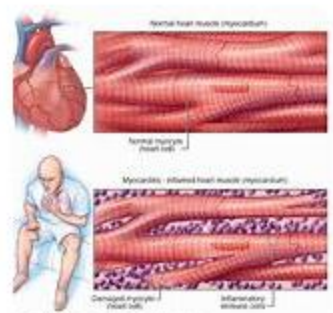
Overview

Symptoms

Causes

Complications

Prevention

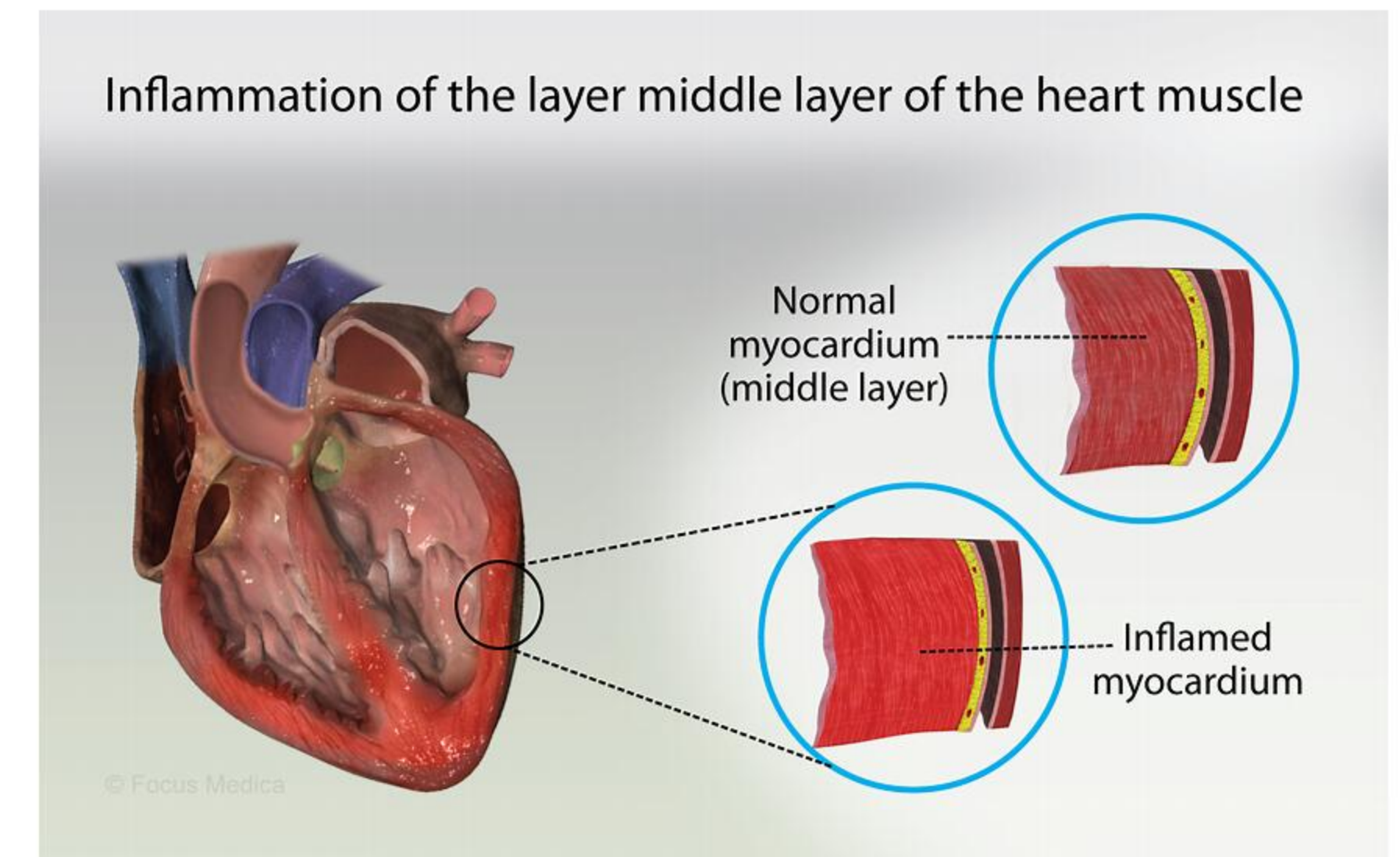


Myocarditis is an inflammation of the heart muscle (myocardium). Myocarditis can affect your heart muscle and your heart's electrical system, reducing your heart's ability to pump and causing rapid or abnormal heart rhythms (arrhythmias). A viral infection usually causes myocarditis, but it can result from a reaction to a drug or be part of a more general inflammatory condition. Signs and symptoms include chest pain, fatigue, shortness of b...

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Myocarditis

Medical Condition



Inflammation and damage of the heart muscle.

- Rare (Fewer than 200,000 cases per year in US)
- Not known to be contagious
- May be preventable by vaccine
- Often requires lab test or imaging
- Treatment from medical professional advised



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Risk factors for adverse cardiac events in adults with ...

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Jan 26, 2020 - QRS broadening in baseline electrocardiogram (QRS > 120 ms) is an independent **risk factor** for the occurrence of MACE in **outbreak myocarditis** patients during hospitalization. **Baseline QRS width** has predictive value for the occurrence of MACE in **outbreak myocarditis** ...

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Predictive factors of a fulminant course in acute myocarditis

<https://pubmed.ncbi.nlm.nih.gov/16574533>

Background: Patients who develop fulminant **myocarditis** often die of sudden cardiac arrest, arrhythmia, or **severe** heart failure soon after onset if they do not receive percutaneous cardiopulmonary support in time. The purpose of this study was to identify the **risk factors** of clinical **symptoms**/signs or laboratory findings that could predict the fulminant course of **acute myocarditis**.

Cited by: 51 **Author:** Cheng-Han Lee, Wei-Chuan Tsai, Chin-H...

Publish Year: 2006

Myocarditis - Symptoms and causes - Mayo Clinic

<https://www.mayoclinic.org/diseases-conditions/myocarditis> ▾

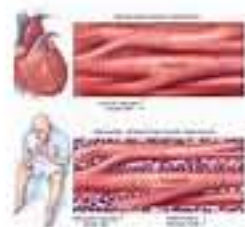
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[See more on mayoclinic.org](https://www.mayoclinic.org/diseases-conditions/myocarditis)

COVID-19 Myocarditis and Severity Factors : An Adult Cohort ...

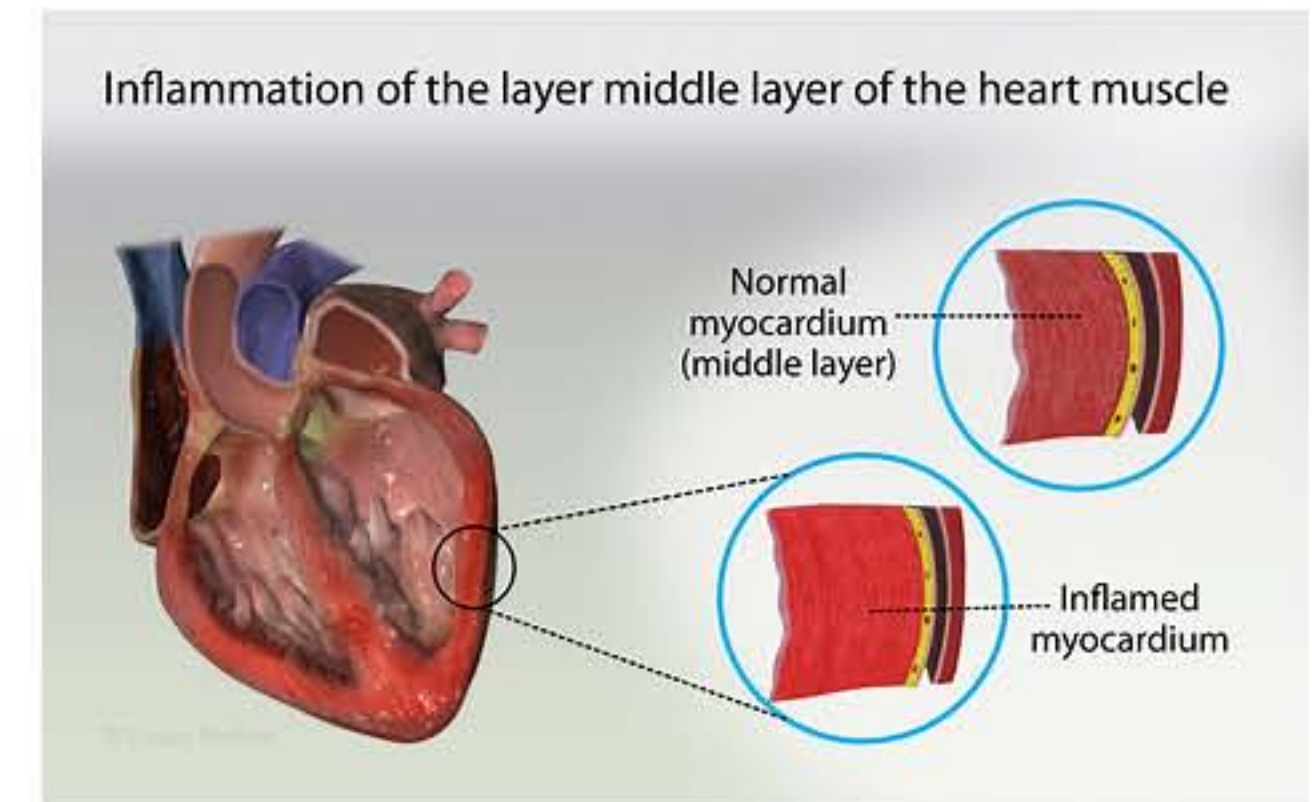
<https://www.medrxiv.org/content/10.1101/2020.03.19.20034124v1> ▾

Mar 23, 2020 - Interpretation Three key-independent **risk factors** of COVID-19 were identified, including age, PII, and Ct value. The Ct value is closely correlated with the severity of COVID-19, and may act as a

predictor of clinical severity of COVID-19 in the early stage. SARS-CoV-2 **myocarditis** should be

Myocarditis

Medical Condition



Inflammation and damage of the heart muscle.

📊 Rare (Fewer than 200,000 cases per year in US)

🦠 Not known to be contagious

💉 May be preventable by vaccine

🔬 Often requires lab test or imaging

👨‍⚕️ Treatment from medical professional advised

🕒 Can last several months

Can be due to viral infection, bacterial infection, parasites, fungi or a reaction to drugs. Characterized by chest pain, abnormal heart rhythms, shortness of breath, fever, sweats, chills and tonsillitis. Treatment consists of anti-inflammatory agents.

Symptoms

Mild symptoms are: