

Emerging Challenges: COVID-19-Related Cardiomyopathy and Intra-Cardiac Thrombosis in a Young Infant Patient: A Case Report

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ABSTRACT

This case report presents a rare and severe manifestation of COVID-19 infection in a young infant. The patient, a 9-month-old girl, presented with symptoms suggestive of respiratory distress and was subsequently diagnosed with COVID-19. During hospitalization, the patient developed supraventricular tachycardia (SVT), which responded to 2 doses of adenosine treatment. Echocardiography also identified cardiomyopathy with impaired cardiac function and intra-cardiac thrombosis of the left atrium, which posed significant clinical challenges. Prompt recognition and multidisciplinary management led to complete thrombus resolution and progressive recovery of cardiac function. This case highlights the importance of recognizing and managing cardiac complications in pediatric COVID-19 patients, including very young infants, and the need for early intervention to improve clinical outcomes.

Keywords: Coronavirus disease; Pediatric; supraventricular tachycardia; hypercoagulable state; heart failure; echocardiography

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