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Self-limited myocarditis presenting with chest pain and ST segment elevation in adolescents after vaccination with the BNT162b2 mRNA vaccine

Jihyun Park ¹, Dona R Brekke ^{1 2}, Andras Bratincsak ^{1 2}

Affiliations + expand

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Abstract

Two adolescent males presented within 3 days after the first and second dose of the BNT162b2 vaccine with chest pain. Elevated troponin levels, ST segment elevation, and enhancement of the myocardium in cardiac MRI suggested myocarditis. Left ventricular function remained normal, symptoms resolved, and patients were discharged in 4 days. BNT162b2 vaccine may be associated with self-limited myocarditis in youth.

Keywords: COVID-19; ST segment elevation; myocarditis; troponin; vaccine.

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