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LETTER TO THE EDITOR

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Author reply to myocarditis after COVID-19 mRNA vaccination: Correspondence

To the Editor,

We appreciate the comment from Sookaromdee et al.[1] on our recent report on acute myocarditis after the second dose of COVID-19 mRNA vaccination in three Japanese young adult males.[2] We agree that we should carefully consider and evaluate any potential co-occurring conditions including other infectious diseases in this setting. As shown in our report,[2] all endomyocardial biopsy specimens were analyzed by viral genomes using a multi-virus real-time PCR system. No viral genomes including SARS-CoV-2, dengue virus, and other viruses associated with myocarditis were detected.[3] In Japan, dengue virus infection is quite rare among those who have not traveled outside Japan. All of the patients had no history of travel abroad and they were in a healthy, nonimmunosuppressive state before COVID-19 mRNA vaccination.

CONFLICT OF INTEREST

The authors declare no conflict of interest.

Kisaki Amemiya[1]
Tomoaki Kobayashi[2]
Yu Kataoka[2]
Takamasa Iwai[2]
Shoko Nakagawa[2]
Yoshiaki Morita[3]
Keiko Ohta-Ogo[1]
Manabu Matsumoto[1]
Yoshihiko Ikeda[1]
Harutaka Katano[4]
Tadaki Suzuki[4]
Chisato Izumi[2]
Teruo Noguchi[2]
Kinta Hatakeyama[1]

[1]*Department of Pathology, National Cerebral and Cardiovascular Center, Osaka, Japan*
[2]*Department of Cardiovascular Medicine, National Cerebral and Cardiovascular Center, Osaka, Japan*
[3]*Department of Radiology, National Cerebral and Cardiovascular Center, Osaka, Japan*
[4]*Department of Pathology, National Institute of Infectious Diseases, Tokyo, Japan*

Correspondence
Kisaki Amemiya, MD, PhD, Department of Pathology, National Cerebral and Cardiovascular Center, 6-1 Kishibe-Shimmachi, Suita, Osaka 564-8565, Japan.
Email: amemiya.kisaki@ncvc.go.jp

ORCID

Kisaki Amemiya http://orcid.org/0000-0001-7912-7423

REFERENCES

1. Sookaromdee P, Wiwanitkit V. Myocarditis after COVID-19 mRNA vaccination: correspondence. Pathol Int. 2022; (in Press).
2. Amemiya K, Kobayashi T, Kataoka Y, Iwai T, Nakagawa S, Morita Y, et al. Myocarditis after COVID-19 mRNA vaccination in three young adult males: significance of biopsy in vaccine-associated myocarditis. Pathol Int. 2022;72:385–387.
3. Katano H, Kano M, Nakamura T, Kanno T, Asanuma H, Sata T. A novel real-time PCR system for simultaneous detection of human viruses in clinical samples from patients with uncertain diagnoses. J Med Virol. 2011;83(2):322–30.