Right-sided infective endocarditis of a native valve with multiple embolus lesions

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Figure 1. (A) Multiple dot-like black erythematous lesions measuring 1–3 cm throughout the body. (B) Chest computed tomography revealing multiple nodules in both lungs. (C) Diffusion-weighted brain magnetic resonance imaging of lesions with high signal intensity, appearing as multiple scattered dots, in both fronto-parieto-temporal lobes. (D) Apical view of the four chambers on transthoracic echocardiography showing vegetation in the tricuspid valve indicated by yellow arrowheads.
A 47-year-old man was transferred to our hospital with methicillin-resistant \textit{Staphylococcus aureus} (MRSA) bacteremia. On admission, the patient had multiple 1–3-cm-sized black dotlike erythematous lesions throughout the body (Figure 1A). In addition, he had multiple patchy consolidations in both lung fields (Figure 1B) and multifocal dots scattered in both fronto-parieto-temporal lobes (Figure 1C). On the 2nd day of admission, transthoracic echocardiography revealed a 2.25×1.5-cm-sized friable mass in the tricuspid septal leaflet (Figure 1D, Supplementary Videos 1 and 2). MRSA was isolated from the patient’s blood and skin lesions. Unexpectedly, no intracardiac shunt was shown on transthoracic and transesophageal echocardiography. Tricuspid septal leaflet repair and mass debridement had been performed in the referring hospital. MRSA was isolated from the debrided mass from the tricuspid valve.

In this case, atypical features were noted. Infective endocarditis occurred on a normal tricuspid valve, and a large vegetation was present, caused by MRSA. He also exhibited clinical signs of systemic embolization, despite the absence of congenital heart disease, central venous catheter use, and drug use, making this case particularly unique and challenging to diagnose and treat [1,2].

**CONFLICT OF INTEREST**

No potential conflict of interest relevant to this article was reported.

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**AUTHOR CONTRIBUTIONS**

Conceptualization: JRY. Data curation: JRY, KYB. Formal analysis: JRY. Methodology: JRY, MK. Project administration: JRY. Visualization: JRY. Writing–original draft: MK. Writing–review & editing: JRY.

**SUPPLEMENTARY MATERIALS**

Supplementary materials can be found via https://doi.org/10.4266/acc.2023.01228.

**REFERENCES**