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Takotsubo syndrome associated with Covid 19: and the interTAK diagnosis score?

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Takotsubo syndrome associated with Covid 19: and the interTAK diagnosis score?

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Since the coronavirus disease 2019 (Covid-19) pandemic, several case series have noted cardiac arrhythmias, cardiomyopathy, acute coronary syndromes (ACS) and cardiac arrest in patients with Covid-19 infection (1). Several acute respiratory infections may result in activation of coagulation pathways, proinflammatory effects, and endothelial cell dysfunction The mechanisms explaining myocardial injury in Covid-19 infection remain to be understood (1,2). Minhas As et al describe one of the first cases of Takotsubo syndrome (TTS) triggered by Covid-19 infection (3). The InterTAK Diagnostic Score was developed by the International Takotsubo Registry to assess the likelihood of TTS diagnosis. The criteria are based on clinical features and ECG to predict the probability of TTS and to distinguish TTS from ACS . Patients with 30 score points have a predicted probability of 70 have a probability of ~90% of TTS. Takotsubo cases described for Covid-19 patients did not refer to the InterTAK score to evaluate the probability of TTS in this population (4). It would be important to know if for Covid patients Inter TAK scoring could also contribute to distinguish ECG abnormalities and to know if interTAK score also allows to predict the likelihood of TTS during Covid-19 outbreak.

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