

# Pulmonary Thromboembolism with Multiple Right Heart Mural Thrombus in Patient with COVID-19.

Houman Dehghan<sup>1</sup> and azam soleimani<sup>1</sup>

<sup>1</sup>Affiliation not available

August 14, 2020

## Abstract

Background: Increased risk of thromboembolism during COVID-19 disease is confirmed. Case: A 40-year-old hypertensive otherwise healthy male with COVID-19 disease, presented with exacerbating dyspnea, demonstrated two large mural thrombus in right atrial appendage and right ventricular apex accompanied by pulmonary thromboembolism in imaging studies. He underwent anticoagulant therapy with significant reduction in thrombus sizes. Conclusion: Hypercoagulation state of COVID-19 disease may lead to serious cardiopulmonary injury.

**Title:** Pulmonary Thromboembolism with Multiple Right Heart Mural Thrombus in a Patient with COVID-19.

**Running title:** Multiple Right Heart Thrombus in COVID-19

Houman Dehghan (M.D)<sup>1</sup>, Azam Soleimani (M.D)<sup>1, 2</sup>

1. Assistant Professor of Cardiology, Fellowship of Echocardiography, Echocardiography department, Chamran Cardiovascular Medical and Research Center, Isfahan University of Medical Sciences, Isfahan, Iran.
2. Assistant Professor of Cardiology, Fellowship of Echocardiography, Cardiac Rehabilitation Research Center, Isfahan Cardiovascular Research Institute, Isfahan University of Medical Sciences, Isfahan, Iran.

**Key words :** Pulmonary Thromboembolism, COVID-19, Right Ventricle, Right Atrium, Thrombus.

Corresponding author: Azam Soleimani MD, Assistant Professor of Cardiology, Cardiac Rehabilitation Research Center, Isfahan Cardiovascular Research Institute, Isfahan University of Medical Sciences, Isfahan, Iran.

Email: asoleimanii@gmail.com. Orchid ID: 0000-0003-2529-5223

## Hosted file

main manuscript NEW.docx available at <https://authorea.com/users/350917/articles/475631-pulmonary-thromboembolism-with-multiple-right-heart-mural-thrombus-in-patient-with-covid-19>

