

**PULMONARY ARTERIAL HYPERTENSION
WITH RADIOLOGICAL PATTERN OF INTERSTITIAL LUNG DISEASE
AS A MANIFESTATION OF A SIDE EFFECT
OF A VECTOR VACCINE COVID-19**

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Abstract

One of the main ways to overcome the COVID-19 pandemic was mass vaccination of the population. The rapid development and implementation of vaccines against COVID-19 performed a main role in spreading of the virus and reducing the severity of the disease. COVID-19 vaccines have demonstrated high efficacy in both clinical trials and real-world settings, leading to their emergency authorization and widespread use. These vaccines significantly reduced hospitalization and mortality rates, marking a major milestone in the fight against the pandemic. However, many observations and studies have been conducted by scientists and clinicians around the world that have reported post-vaccination side effects of various COVID-19 vaccines. The literature discusses the high prevalence of pulmonary hypertension (PH) in patients with COVID-19 and the potentially serious impact of COVID-19 on patients with pre-existing PH. However, there is little evidence linking COVID-19 vaccination to PH. In addition, given the global concerns regarding the safety of COVID-19 vaccination, trends in interstitial lung disease following COVID-19 vaccination were assessed. Given the relevance and importance of this topic, this publication presents a clinical case of pulmonary arterial hypertension accompanied by radiological features of interstitial lung disease following a second (booster) dose of a vector-based COVID-19 vaccine.

Key words: Vector-based COVID-19 vaccine, side effect of vaccines, pulmonary hypertension, pulmonary arterial hypertension, interstitial lung disease.

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