

Cite this as: Tian-ming XUAN, Xing-xiang WANG, Xiang-yuan PU, Wei-li HAN, Xiao-gang GUO, 2020. Primary percutaneous coronary intervention in a COVID-19 patient with ST-segment elevation myocardial infarction after lung transplantation: a case report. *Journal of Zhejiang University-Science B (Biomedicine & Biotechnology)*, **21**(5):411-415. <http://doi.org/10.1631/jzus.B2000182>

Primary percutaneous coronary intervention in a COVID-19 patient with ST-segment elevation myocardial infarction after lung transplantation: a case report

Key words: COVID-19, Lung transplantation, ST-segment elevation myocardial infarction, Percutaneous coronary revascularization

Summary

- We report an unusual case of a patient with bilateral lung transplantation due to severe Coronavirus Disease 2019 (COVID-19), who subsequently complicated with acute myocardial infarction and underwent primary percutaneous coronary intervention (PCI).

Innovation points

- This case is the first reported case of COVID-19 complicated with acute myocardial infarction treated with primary PCI, and the first case of acute myocardial infarction after bilateral-lung transplantation.
- Supported by interdisciplinary team cooperation we were able to effectively stabilize the patient, using to full protection procedures and strictly adhering to established methods primary PCI.