



🌐 Telerehabilitation in patients with respiratory tract diseases: protocol for a scoping review

Shunsuke Taito¹, Kota Yamauchi², Yuki Kataoka³

¹Hiroshima University Hospital, ²Department of Rehabilitation, Steel Memorial Yawata Hospital, Fukuoka, Japan,

³Hospital Care Research Unit, Hyogo Prefectural Amagasaki General Medical Center, Higashinaniwa-cho 2-17-77, Amagasaki 660-8550 JAPAN, Department of Healthcare Epidemiology, Graduate School of Medicine and Public Health, Kyoto University, Yoshida Konoe-cho, Sakyo-ku, Kyoto 606-8501 JAPAN, Department of Respiratory Medicine, Hyogo Prefectural Amagasaki General Medical Center, Higashinaniwa-cho 2-17-77, Amagasaki 660-8550 JAPAN, Systematic Review Workshop Peer Support Group (SRWS-PSG), Japan

1 Works for me dx.doi.org/10.17504/protocols.io.bf6wjrfc

Shunsuke Taito
Hiroshima University Hospital

ABSTRACT

Background

Telerehabilitation is delivery of therapeutic rehabilitation at a distance or offsite using telecommunication technologies. However, telerehabilitation for respiratory diseases and respiratory infections is not known. During the COVID-19 pandemic, telerehabilitation may represent the first option for people at home. The COVID-19 is one of respiratory tract disease, and rapid and widespread transmission was demonstrated. Therefore, it is necessary consider telerehabilitation in patients with respiratory tract disease in the acute phase in hospital as well as chronic phase from the perspective of infection prevention.

Aim

The purpose of this scoping review is to assess the intervention program, safety and feasibility of telerehabilitation for patients with respiratory tract diseases in the COVID-19 era.

Methods and analysis

We describe this protocol that follows the PRISMA extension for scoping reviews (PRISMA-ScR) statement. We also use the scoping review framework by The Joanna Briggs Institute following five stage approach: (1) identify the research question; (2) identify relevant studies; (3) select studies; (4) chart the data and (5) collating, summarize and report the results.

Ethics and dissemination

In this scoping review, only data from previously conducted studies will be analyzed. We will publish this scoping review in peer-reviewed journals.

ATTACHMENTS

[protocol20200509.pdf](#)