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

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Authors: Shunsuke Taito, Kota Yamauchi, Yuki Kataoka

Summary: BackgroundTelerehabilitation 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.AimThe 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 analysisWe 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 disseminationIn this scoping review, only data from previously conducted studies will be analyzed. We will publish this scoping review in peer-reviewed journals.

Affiliations: Division of Rehabilitation, Department of Clinical Practice and Support, Hiroshima University Hospital, Kasumi 1-2-3, Minami-ku, Hiroshima, 734-8551 Japan, Systematic Review Workshop Peer Support Group (SRWS-PSG), Japan, Department of Rehabilitation, Steel Memorial Yawata Hospital, Fukuoka, Japan, Hospital 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

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