

The Perception of Physiotherapists Toward Medical Artificial Intelligence

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It is a fact that Artificial Intelligence (AI) is rising in medical fields. Researchers mostly discuss about doctors and physicians but there are not enough studies about physiotherapists' perceptions and attitudes toward Medical AI.

Physiotherapy helps to restore movement and function when someone is affected by injury, illness or disability. It can also help to reduce your risk of injury or illness in the future. Due to physiotherapists mostly work with patients manually and through touching to the patients. So, physiotherapists are using Medical AI as Tele- Rehabilitation and they conduct their exercises with patients remotely.

In order to make common and effective Tele-Rehabilitation applications we should understand perception and attitudes of physiotherapists toward Medical AI. The aim of the present study is conducting a preliminary study about perception and attitudes of physiotherapists toward Medical AI. 20 Physiotherapist attended to study and the study conducted as semi-structure interview. Participants were asked about their attitudes and perception about Medical AI. According to the results, physiotherapists generally believed that AI could be used as assistant equipment in terms of conducting exercises. Moreover, physiotherapists argued that Medical AI did not needed to have emotions or ethical values due to they could not responsible for conducting exercises. According to physiotherapists' opinion AI would be better for planning time and frequency of exercises due to they were mechanic. In addition, due to AI works with subtle and clear information, AI have more credits for patients and physiotherapists.