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Emphasizing the role of AI and telehealth in improving treatment outcomes among elderly patients

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Introduction

To establish the right diagnosis and treatment plan for a patient is at the core of any medical procedure but this is not without the need for utmost compliance of the patient. This is the case with the elderly when they do not understand their diagnosis, nor do they fully recognize the importance of adhering to the prescribed treatment plan. This study emphasizes the role of artificial intelligence and telehealth in achieving significant treatment compliance among elderly patients.

Methodology

A systematic review of selected published articles found on PubMed. Key words used for the search are AI in medicine, elderly treatment compliance, telehealth, telemedicine, and effectiveness of AI in health. This study reviews the role of Artificial Intelligence in health care with a focus on how it improves the treatment process of elderly patients.

Results

AI plays a significant role in improving patient diagnosis; it is very relevant for communicating to patients and aiding to understand the state of their health. In some cases, AI visualizes the patient diagnoses while the medical personnel explains. The study also shows that AI-powered tools help the health workers track the treatment response and the patients can also relate to the information; AI helps to break the barrier of digital literacy and the cumbersome medical terminologies.

This study suggests that AI may significantly improve medical and digital literacy and help in liberating the understanding of elderly patients to recognize their diagnosis, accept and adhere to treatment protocols, monitor their progress, and contribute to their recovery to health.

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