A I Powered Healthcare Robotics: Enhancing Patient Care with Advanced Technology

HARIKA YENUGA

MASTERS IN BUSINESS ANALYTICS

NORTHWOOD UNIVERSITY

MICHIGAN

ABSTRACT:

Recent developments in AI and robotics have prompted the creation of chatbots and medical robots to help with routine tasks and keep an eye on elderly people who are vulnerable. Drug ordering systems assist doctors in preventing harmful drug interactions, and AI-driven therapy apps are beneficial for patients suffering from mental diseases. Assuming proper operation, assistive gadgets increase surgical accuracy and safety. But as AI becomes more widely used in healthcare, serious liability issues about malfunctioning devices arise, which are crucial to protecting patient rights and promoting innovation.

In response to the Covid-19 outbreak, researchers worked with Boston Dynamics to develop mobile robots for use in emergency rooms. These robots have sensors that may be used to monitor vital signs and enable remote patient-provider contact. According to a national study, people are mostly accepting of robots helping with healthcare work. High patient satisfaction during testing at Brigham and Women's Hospital suggests that robots might be used to carry out labor-intensive procedures, freeing up medical staff to focus on other important duties. https://youtu.be/_ljapVoBmi8. {Mar 4, 2021 Video contributors: Peter Chai, Giancarlo Traverso}

90% of patients triaged by a Boston Dynamics robot said they were satisfied with their experience. Image: Photo courtesy of the researchers

INDEX TERMS

AI powered healthcare robots

patient care

artificial intelligence

machine learning

natural language processing.

REFERENCES

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