

The Role of Robotics in Healthcare: Transforming Patient Care and Medical Practices

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Abstract: *This research paper explores how robotics is revolutionizing healthcare through surgical assistance, rehabilitation, patient care, and hospital automation. With advancements in artificial intelligence, robotics has become a critical tool in enhancing precision, efficiency, and overall medical outcomes. This study highlights the current state, challenges, and future directions of robotics in healthcare.*

Keywords: Healthcare Robotics, Surgical Robotics, Rehabilitation Robots, Patient Care Automation, Medical Innovations