Impact of Technology on Healthcare and Patient Care

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Introduction: Technology has changed health care a lot.

Body Paragraphs:

1. Health IT has opened several horizons to explore and research that has enabled experts to make healthcare more effective than it was in the past.
2. The utilization of information technology has contributed to making patient care safer and more reliable.
3. The use of technology in medicine is one of those digital innovations that are revolutionizing healthcare.
4. The Rosewell Park Cancer Institute has created Robotic Surgery Simulator in collaboration with the University of Buffalo's School of Engineering and Applied Sciences.
5. Applications like referral MD assist medical professionals and providers.

Conclusion: Therefore, technology is a driving force behind all the medical innovations that have made treatment more effective and accessible.

Technology and Healthcare

Technology has changed the modern world a lot. Since the technological revolution, every field of life has been influenced, and many modifications have taken place. Whether it is entertainment, education, health care, sports, or business, technology is found everywhere. It is a matter of fact that technology has contributed a lot to improving our lives and has changed healthcare greatly. Technology has become a driving force for improvements in healthcare that are providing better, more effective, and more accessible treatment for patients (Hussung, 2015).

Technology is creating a strong impact in the field of healthcare because of all the breakthroughs in the collection of data, research, and treatments. It has allowed healthcare professionals to utilize advanced tools and discover innovative methods for practicing medicine in the future. Several analysts have observed that the enhanced availability of treatment has become one of the most noticeable ways that healthcare has changed. Health IT has opened several horizons to explore and research that has enabled experts to make healthcare more effective than it was in the past

(Hussung, 2015).

Another important area that has gone through a lot of growth and is still continuously developing is patient care. The utilization of information technology has contributed to making patient care safer and more reliable. Nowadays, doctors and nurses use hand-held computers for recording the significant data of patients, which can be shared within their medical history without any further delay. It is one of the most beneficial examples of the advantages linked to health IT. The capability of accumulating lab results and recording vital signs and other crucial data in one central area has transformed the care and efficiency level that a patient could expect to receive from hospitals when required. Therefore, it is another strong piece of evidence to prove that technology has improved the healthcare system ("Technology has Changed Healthcare," n.d.).

Furthermore, the modifications in specific software programs are also included in the various benefits that are being brought by technology. For instance, the World Health Organization has classified illnesses, their causes, and symptoms into a huge database that consists of more than 14000 separate quotes ("Technology has Changed Healthcare," n.d.). It facilitates healthcare professionals in tracking, retrieving, and utilizing important data to fight for the control of diseases and provide improved healthcare outcomes. Software plays an important role in procedure tracking and billing methods as well. It not only reduces paperwork but also permits practitioners to employ the data for improvement in the quality of care and efficiency. In other words, it has become beneficial for doctors to keep electronic medical records rather than maintaining files and papers.

Moreover, the use of technology in medicine is one of those digital innovations that are revolutionizing healthcare. In this digital age, where technology is permeating every field of life, medicine is also going through the same transition. As geneticist known as Eric Topol stated in his book The Creative Destruction of Medicine, "Medicine is about to go through its biggest shakeup in history." Medical innovations like surgery simulation, streamlined lab testing, mitochondrial DNA transfer, and cloud-based data and software have changed medical treatments to a massive level ("The Importance of Equipment and Technology in Healthcare Diagnostics," n.d.).

The collaboration between Roswell Park Cancer Institute and the University at Buffalo produced the Robotic Surgical Simulator, or RoSS, which was publicly unveiled in 2010. It provides a realistic environment in which surgeons can practise robot-assisted procedures before operating on patients. The word "recently" in the original paragraph is therefore outdated.

Digital referral applications can help providers transmit referrals and track whether patients receive follow-up care. However, the claim that approximately 50% of paper referrals are "wasted" comes from the article's older secondary source and should not be presented as a universal current rate without a defined population and contemporary evidence. Technology is creating wonders in the world of health without any doubt. It is contributing to adding more facilities for patients and doctors as well. For example, medical diagnostic equipment enables doctors to record measurements like blood pressure, eye pressure, and many other types of measurements. It helps physicians make an

accurate diagnosis of the conditions of the patient.

Moreover, technologies like X-rays, CT scans, and Magnetic Resonance Imaging help doctors see the areas of the body that cannot be seen by any other means. The condition of the organs can be seen. Techniques like ECG help in knowing the state of the heart. Ultrasound has become very common in health care, especially for pregnant ladies who can get an insight into the gender of the baby. Hence, technology has changed health care greatly ("The Importance of Equipment and Technology in Healthcare Diagnostics," n.d.).

In short, all the evidence and information provided above are proof that technology is doing wonders in the field of health care. After such a development, one cannot imagine living without these innovations. Therefore, technology is a driving force behind all the medical innovations that have made treatment more efficient and accessible.

References

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