



Technology in Advancing Medical Practice

Prof. Dr. Riffat Mehboob[†]

[†]Lahore Medical Research Center ^{LLP}, Lahore, Pakistan
riffat.pathol@gmail.com

ARTICLE INFO

How to Cite:

Mehboob, R. (2023). Technology in Advancing Medical Practice. Pakistan BioMedical Journal, 6(02). <https://doi.org/10.54393/pbmj.v6i02.849>

The role of technology in advancing medical practice and improving patient outcomes is increasingly vital in today's healthcare landscape. In the past few decades, we have seen rapid advancements in medical technology, which have transformed how we diagnose, treat, and prevent diseases. Medical technology has brought about remarkable improvements in patient outcomes and quality of life, as well as reducing healthcare costs. One of the most significant advances in medical technology is the development of electronic health records (EHRs). EHRs allow healthcare providers to store patient information electronically, making it more accessible and easier to share between healthcare providers. With EHRs, healthcare providers can access patient records in real-time, enabling them to make informed decisions about patient care. EHRs also enable healthcare providers to track patient outcomes and improve the quality of care provided to patients. Medical imaging technology has also revolutionized medical practice. Medical imaging technology includes X-rays, CT scans, MRI, and PET scans. These technologies allow healthcare providers to visualize the inside of a patient's body, enabling them to diagnose and treat diseases more accurately and effectively. In addition, the development of 3D printing technology has allowed healthcare providers to create custom prosthetics and implants for patients, improving their quality of life. Telemedicine is another area where technology has advanced medical practice. Telemedicine allows healthcare providers to diagnose and treat patients remotely, reducing the need for in-person visits. This technology has been particularly useful in rural areas where patients have limited access to healthcare. Telemedicine also reduces healthcare costs by reducing the need for expensive in-person visits. In conclusion, technology has played a significant role in advancing medical practice and improving patient outcomes. From electronic health records to medical imaging technology and telemedicine, medical technology has transformed how we diagnose, treat, and prevent diseases. While there are still challenges to overcome, such as ensuring the security and privacy of patient information, it is clear that medical technology will continue to play a critical role in improving healthcare outcomes and reducing healthcare costs. As healthcare providers and technology companies work together to develop and implement new medical technologies, we can expect to see continued progress in the years to come.