Importance of Technology in Diagnosing and Assisting Patients

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# Introduction

Technology is not only progressing in the field of smartphones and internet rather it has advanced in the medical field too. It is changing the ways the doctors learn in the medical schools and how they treat their patients. Medical technology is a wider field in which the inventions share an imperative part in the patient’s health. It has specifically progressed in the extents such as biotechnology, pharmaceuticals, information technology, and the manufacturing of the medical equipment (“5 Ways Technology is Improving Health | UIC Health Informatics,” 2016). If technology had not provided us with the new equipment and the techniques then we won’t be able to diagnose or treat many of the diseases. The technology has not only helped the doctors to diagnose the patients better, also the patients to be treated better way.

# Discussion

Talking about the field of the neurosurgery, the technology has helped the neurosurgeons discover negligibly intrusive means to treat patients with a brain sickness, stated by Frank Hsu, stand-in chairman of the sector of neural operation. He also stated that the advancements in the imaging technology have made neurosurgery harmless and further effective. He further stated that to use of MRI has helped the surgeons to take the images of the brain before the surgery to detect the hotspot of the activity so that they can be avoided. For years, a surgeon handling an aneurysm in a patient's head would require to cut through the cranium, trace the blood vessel and fasten the out-pouching vessel wall. However nowadays, endovascular surgical procedure is prevalent. Aneurysm produces when the walls of some artery deteriorate, making a big bag or lump. Modern techniques, nevertheless, let a surgeon to strand a tube in the cerebral artery of the patient and put a loop or a wire stent into the bag, transmitting blood far from the aneurysm. With the blood no longer thrashing with the walls of aneurysm, it may ultimately cure, as said by Hsu (“Technology is Changing How Doctors Diagnose, Treat Patients,” n.d.).

Refining excellence of life is one of the key profits of assimilating new inventions in the field of medicine. The incorporation of medical equipment technology and telehealth has also formed mechanical operations, however in many cases, doctors do not require to be in the operational chamber with a patient when the operation is executed. In contrary to that the doctors can now operate from their home base, and the patients can be treated in the nearby private clinics close their own hometown, eradicating the disturbances and pressure of travel for the health-related issues. With new mechanical operations, the doctor is yet in the room, controlling the mechanical devices, however the technology agree to a minimally intrusive process that leaves patients with fewer blemishing and expressively shorter regaining period (“Medical Technology,” 2011).

Medical experts and doctors are continually doing the research and testing novel measures to help stop, identify, and treat illnesses along with making novel drugs and medications that can reduce indications or cure illnesses. Through the practice of technology in medical study, scientists have been able to inspect illnesses on the level of the cells and generate antibodies to counter them. These inoculations to cure the fatal ailments such as malaria, polio, MMR, and other thwart the blowout of virus and protect thousands of people all around the world (McCullers & Dunn, 2008).

# Conclusion

Technology has helped the patients to cure faster and in a better way. New inventions and the new techniques are opening the ways for the doctors to treat the patients in a better way as many of the diseases are diagnosed only by the use of the technology. So, the technology we can say aids the patients and the doctors both.

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