

FUTURISTIC TRENDS IN MEDICINE

It is critical to have an understanding of the developing tendencies in medicine for the foreseeable future as the medical system is continuously undergoing change. It assists in the expansion of our medical knowledge and abilities, allowing us to effectively contribute to the betterment of mankind. The field of medical sciences has witnessed a significant number of breakthroughs and developments across the board in recent years. One recent example that can be cited is the discovery of the COVID 19 vaccine, which has assisted in the enhancement of immunity and resistance against the severity of infection on a global scale. It had assisted in the saving of millions of lives all over the world and had played a significant role in reducing the level of panic that existed. In this chapter, we will discuss some rising trends we see in the future of modern medicine.

TELECONSULTATIONS:

Because of the COVID-19 pandemic, there has been an increase in the use of teleconsultation, which serves as an excellent illustration of this point. The use of teleconsultation has increased all over the world as a measure to ensure safe distancing between individuals and, as a result, control the infectiousness of the disease. Teleconsultation is a measure to ensure safe distancing between individuals. It had helped in gaining access to health care by the common man in an easy manner, bypassing the requirement of waiting for long hours in the hospital for a visit to the doctor. It was helpful in providing health care evaluations in the comfort of one's own home. Its use might be restricted due to modern technology and a lack of access to adequate internet services, both of which might not be available in all regions. More research needs to be done to determine how the use of teleconsultation might disrupt the normal working relationship that exists between a physician and a patient.

AT-HOME LABS:

Another factor that is contributing to the overall upward trend is the proliferation of at-home labs. It makes it possible for people, particularly those who are unable to move around easily or who are elderly, to have their home lab work done in the convenience of their own homes. Not only does it make the patient feel more at ease, but it also helps lower their risk of contracting nosocomial infections, which are infections that can be acquired as a result of being exposed to hospitals. Even if there is an increase in expenses due to the use of at-home labs, the benefits to the medical industry are substantial.

3D PRESCRIPTION OF MEDICATION:

In addition, 3D-printed medicines have been developed over the past six years. It has a number of applications, one of which is to improve bioavailability. However, only a limited number of 3D prescriptions for various medications have been developed so far.

IMAGING GUIDED BY ARTIFICIAL INTELLIGENCE:

The current state of technology has progressed to the point where it contributes to effective diagnostic and confirmatory imaging with minimal reliance on professional acuity. This is made possible by the use of artificial intelligence. It assists professionals in the medical field who have limited knowledge and skills to provide accurate diagnostics, contributing to the improvement of health care.

ROBOTIC ASSISTED SURGERY:

It makes it possible for multiple surgeons located in different locations to perform procedures using telesurgery. It is appropriately referred to as robotic-assisted surgery, and it involves the attachment of surgical instruments to the robotic arms, which are then controlled by the operating surgeon and not by the robot itself. It paves the way for the beginning of a completely new era in the field of surgery. In today's world, an increasing number of surgeons are gaining expertise in this field. It is without a doubt that additional development and accessibility to this area will be a landmark achievement in the field of surgery and, consequently, health care.

SPINAL CORD INJURIES:

Surgical implanters that stimulate the limbs by bypassing the damaged spinal cord are being used nowadays. Not only does it help in the advancement of medicine, but on an individual level, it helps in ensuring the autonomy of the patient.

CANCER IMMUNOTHERAPY:

The development of immunotherapy has shown a remarkable impact so-called incurable cancer field. The use of antibodies against cancer cells in the field of cancer immunotherapy is being increased nowadays.

GENETIC THERAPY:

The use of genes to detect abnormal cells, diagnosis, and even treat the disease has led to the remarkable contribution to many life-threatening and previously incurable diseases like cystic fibrosis.

REFERENCES.

- 1) [7 Emerging Trends in Healthcare - The Medical Futurist](#)
- 2) [10 medical innovations that will transform lives in the next decade | World Economic Forum \(weforum.org\)](#)