



EDITORIAL

AI in Surgery

Artificial intelligence (AI) is a software based capability of any machine to execute functions which are considered to be the ability of human brain, or we can say are human like capabilities of software based machines.

With advancements in AI technology, it is becoming an integral part in of healthcare. New avenues are being discovered on the probability of application of AI in fronts like medicine and surgery, with the main focus on screening and medical or surgical intervention.

Some studies have shown application of AI in ophthalmology and has shown increased accuracy in diagnosis of glaucoma, cataracts, etc. Researches in orthopaedics and neurological surgery has shown the value of AI in the diagnosis and easing the process of surgeries like joint replacement and brain tumours. Kunze et al. in their study has reported improvement in diagnosis for the detection of anterior cruciate ligament (ACL) and meniscus tears with the use of AI.

In surgical procedures, augmented reality integrated through an AI can get us information like vitals and hemodynamic state of a patient to the surgeons, which will help them to choose their techniques and also decision-making for the surgery in the real time will be easier.

Prof. (Dr.) Saumendu Deb Roy
Professor
IQCity Institute of Pharmaceutical Sciences,
Durgapur, W.B
E-Mail: baharu75@gmail.com

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