Advancement in Medical Biotechnology of the Indian Scenario and Management

***Keywords*: Medical biotechnology, hospital system management, Artificial intelligence system, nanobiotechology.**

Abstract

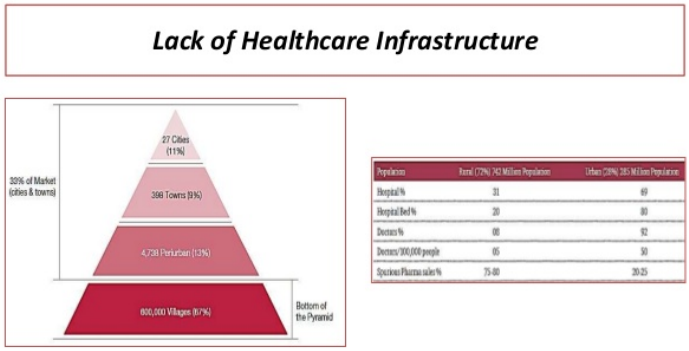
The carelessness and the negligence the patients get in the Indian hospitals has resulted in a number of deaths of many people and children as well. This has been seen mostly in civil or the public sector hospitals where the demand for the highly experienced doctors is ever increasing but the system in which the hospitals work is getting poorer everyday. This article focuses on the current status of the Indian hospitals and its system and how the system needs to be improved by using the applications of medical biotechnology alongwith the management skills.

Background

The Indian subcontinent consists of world class and vast experience doctors, leaving no stone for success in their respective fields; say it be a surgeon, clinical doctor, immunologists, etc., they march on towards the goal of saving each and every person's life by using either their own physical labour or the surgical machines, which are the advanced artificial intelligence operators in todays corporate world. An example of it is the Da Vinci surgical system, with a wide range of capabilities programmed in it by the engineers which can perform various surgeries under the doctors supervision such as cardiac surgery, thoracic surgery, urologic surgery, etc.

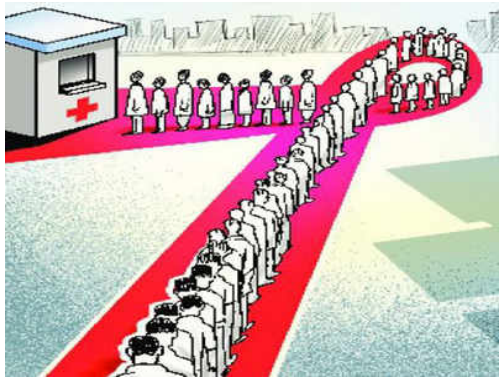


The doctors in India may be capable and aware of their profession ,their, field, and experience, but what about the system in which the patients are treated? Or say when the doctors are not available at that very instant or unable to reach the hospital due to some minor cases? It can simply be the act of medical negligence towards the patients.



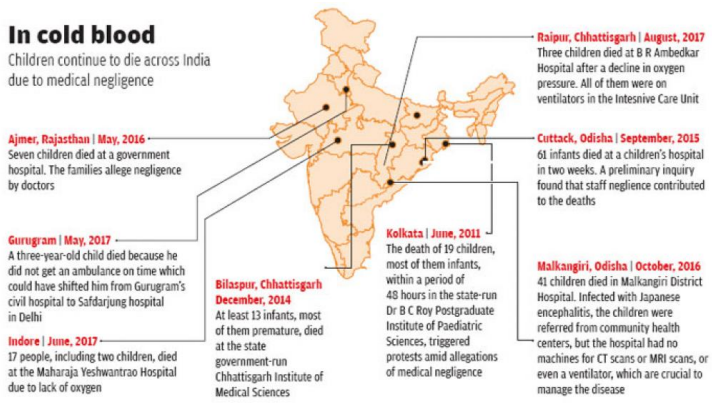
Challenges in the Indian healthcare

Doesn't it require the futuristic methods to get them to the hospital and get them treated as soon as possible with no delay? Or say, any artificial intelligence which takes control of all the formalities and escorts in no time. Imagine a whole hospital programmed in such a way so as to reduce the human efforts and delayed duties.



This has been one of the major causes of several deaths in the Indian medical scenario where the system is in an informal way . No later in Kanpur, we have seen death regarding the delay of a patient in the emergency treatment which resulted in a death of a toddler which got hit by a stone.

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The image above shows the percentage of deaths of the children in various Indian states and cities
due to carelessness of the hospitals in their respective regions

Method

With the aspects of medical biotechnology alongwith the use of nanobiotechnology, we can prevent the delay of the appointments and shorten it by the use of robotic machines for the escorting and formality purposes which may form the most essential part of medical biotechnology. This may help the patient to reach first for the treatment and the robotics technology may complete the paper work and other relevant formalites which may be further needed to carry out the formality process.

The Biometric may play an important role in this field. It may be fit into the robots which can access all the information needed for the biodata of an individual or any patient present in the premices of the hospital. Doctors may command robots their duties and their responsibility they need to take and ensure the safety and quickness of the proceedings in no time.

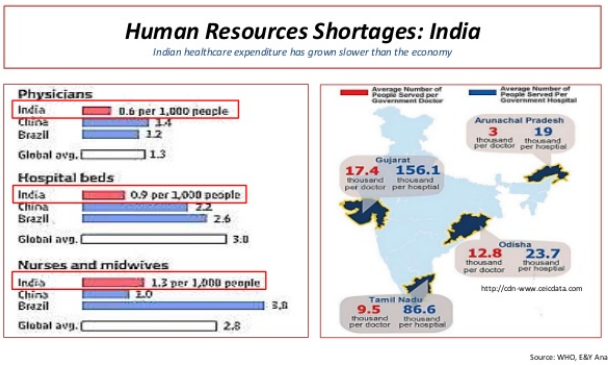


The time will come when the robots will be programmed and will take over the physical work and other relevant duties. It doesn't mean people carrying heavy laden duties and burdened physically might keep their jobs for a while. But they may be put up in the monitoring sections and safety and welfare of the robots.



There must be an artificial intelligence system (AIS) introduced by the government (if approved) around every locality so as to ensure that in emergency cases, the ambulance must be called as soon as possible. It just needs a click after an insertion of a card into the artificial intelligence system (AIS) (ATMs are an example) which should be provided by the hospital itself or the government, to alarm the hospital to send an ambulance to the specified location monitored by the GPS or the global positioning system in no time . Later these cards may be inserted into the robots in the hospital for formality purposes.

The surgical techniques and all the emergency operations are trend in medical biotechnology especially for the organisations/ hospitals in private sectors, who believe that the profitable methods of making money and ensuring safety for the patient is the only way for big manhattans (in every aspect) in terms of demographics when analysed or surveyed yearly.



The image above represents the shortage of human resource and health care expenditure in India.

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