Editorial

Information Technology in Medical Science

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Information technology is now a days the most important powerful tool for scientific advancement. It can make a nation superpower. Medical science is improving tremendously and with the light of information it is now taking a new dimension. A patient in the third world now can take the advice of a physician of a renowned centre of the world easily.

Every sector in the medical science is enlightened by information technology. Diagnostic and therapeutic decision making, therapeutics procedure, patient monitoring, outdoor patient management, data management and analysis for research purpose, acquisition of up-to-date knowledge and sharing the knowledge with other sector medical science can be done with proper use of information technology.

Decision making with the experts of the world is now possible with the help of IT. Professionals from remote place can take the help from the expert to understand their unusual finding. Interpretation of investigation finding and review of the diagnosis by others is a matter of minutes.

Therapeutic decision from the experts for a critical patient is within the grip. With the outbreak of unusual disease communication with organizing bodies and the advice for immediate measures to be taken can be done very easily. Intercontinental surgical intervention is also possible now a days. A 'master' surgeon sitting in American advanced center with a control panel consisting with different software and sensors controlling his robotic 'slave' fingers on a patient in a operation theater in a third world country and doing the robotic surgery. Surgical tele workshops are possible today.

Telemetric patient monitoring is now a new dimension in the field of medicine. Intensive care unit patient monitoring is possible from a single control panel. Even patient moving with an event recorder can be monitored by the consulting physician and warning can be given to the physician when an arrhythmic episode occur so that appropriate measure can be taken of the patient.

Outdoor patient management is easy today. From making an appointment to history taking, prescription writing, data management all are possible with help of software.

Data management, analysis and interpretation and publication can be done easily with help of IT. We are connected to all the renowned data base library and taking the help of recent research. Acquiring advanced knowledge is easy and less time consuming & affordable.

Teleconference is another way to communicate live with the experts. They can take a lecture even not presenting in the scientific seminar and can take part in the question answering session and thus save their time.

Information technology is giving medical science a new dimension and progressively it will enrich it.