THE IMPACT OF INFORMATION TECHNOLOGY ON THE DECISION-MAKING PROCESS IN MEDICINE

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The present scientific paper outlines decision making as one of the most significant and important activities in a Medicine. Information Technology has transformed the ways modern healthcare systems acquire, store, access and communicate medical information. These developments offer significant benefits to patients and healthcare providers, but they give rise to ethical and legal challenges in the protection of patient privacy and confidentiality. The traditional and humanistic concept of doctor-patient relationship is also under threat as Information Technology is used to bypass the need for personal consultations. One effective approach to continue the use of Information Technology in medicine while minimizing its potential hazards is through legal reforms and setting public standards for accessibility and expression of patient autonomy [1] Ultimately, the role, importance and limitations of Information Technology as a tool to pursue the goals of medicine has to be carefully deliberated, clearly defined and judiciously delineated to ensure its effectiveness and safety.

The paper emphasizes the scientific research of the President of the Institute of Medicine, National Academy of Sciences, and Professor of Medicine Emeritus at the University of California, Los Angeles School of Medicine USA - Kenneth I. Shine: "Technology in Society: Impact of Information Technology on Medicine". According to his opinion, although the health sciences will benefit from many of the advances in information technology that are applied to a wide variety of scientific research areas, information technology is of particular importance to health care delivery.

The paper tells no-one can deny that information technology is changing the way that medicine is practiced. The fact that you are actually reading this editorial is clear evidence of it. This journal would probably not be in existence if it weren't for the availability of effective and affordable information technology. The heart of any computer is the central processing unit where arithmetic and logic operations are carried out. Things changed however when the focus of attention shifted to the relationship between the human and the computer and the ways in which a human can become more productive and information-efficient with the help of information technology. The first sectors of hospital activity that benefitted tangibly from information technology were patient administration, laboratories and accounts – not surprising, considering the large volumes of numeric data that these sectors handle.

The author concludes that Health Information Technology is a broad term that describes the technology and infrastructure used to record, analyze, and share patient health data. Various technologies include health record systems, including personal, paper, and electronic; personal health tools including smart devices and apps; and finally, communities to share and discuss information.

References:
1. Neiman Jeff, the Importance of Health Information Technology in Developing Areas, Burlington, Published by "Gower", 2014. – 125 pages (In English)