MGM Journal of Medical Sciences

1. Aims and Scope

MGM Institute of Health Sciences (Deemed to be University u/s 3 of UGC Act 1956) is committed to promote excellence in medical education and research, and finding better, safer and affordable ways of diagnosing, treating and preventing diseases. With this view in mind, the university has launched a quarterly peer-reviewed scientific journal “MGM Journal of Medical Sciences” in 2014. It publishes original research papers, review articles, interesting case reports, pictorial reviews, letters to editor, book reviews and notices of important professional meetings and conferences. All submitted articles are scrutinized by peer-reviewers and the editorial team, before being published. From time to time, this journal may bring out special issues focusing on specific themes. A section may also be devoted exclusively to young researchers and students to stimulate their innovative and creative ideas.

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Informed consent of the patients must be taken before they are considered for participation in the study. Patient identifying information, such as names, initials, hospital numbers or photographs should not be included in the written descriptions. Patient consent should be obtained in written and archived with the authors.

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Telemedicine (or Telehealth as World Health Organization calls it) is defined as use of modern, advanced information and telecommunication technologies to provide healthcare services to remotely located patients, both in urgent and non-urgent situations. Healthcare systems of most countries, especially the developing ones, lack adequate human and capital resources, to provide service on demand. First telemedicine clinic is reported to have been established by Massachusetts General Hospital, Boston, USA in 1967. It provided emergency health services to travellers and employees of Boston International Airport, located 3 miles away from the hospital. Ever since, telemedicine has been growing rapidly, triggered by phenomenal advances in information and communication technologies. Robots in hospitals, controlled by remotely located surgeons are carrying out complex surgeries successfully.

Telecardiology is one of the important disciplines of telemedicine. Electrocardiography (ECG) is a basic diagnostic modality of heart disease, especially life-threatening arrhythmias. It can be transmitted wirelessly to any remote center for instant interpretation by an experienced doctor, who can order immediate lifesaving therapeutic measures to the healthcare personnel at site. Thus, lives can be saved. In fact, Willem Einthoven, the inventor of ECG, was the first to transmit ECG data from hospital room to his laboratory in 1907 over telephone wire, because the hospital did not allow him to move patients from the hospital room to his laboratory to test his ECG machine. A review article in the current issue of MGM Journal of Medical Sciences (MGMJMS) discusses newer, portable second generation devices developed in India, that can transmit 12-lead ECG simultaneously from the patient’s bedside to any remote center over mobile telephone network.

Friends, we have pleasure in bringing new issue of MGMJMS to you with a variety of articles on various disciplines of medical sciences. We, in the Editorial Board, convey our deep gratitude to all the learned contributors as well as to our esteemed readers.

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