

## EDITORIAL PREFACE

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There is a substantial body of research, describing shortfalls in the current provision of healthcare. Key issues emerging from this literature are significant variations in the quality of healthcare and risk of iatrogenic harm. On the other hand, there has been considerable progress in information technology effectuating a high capacity to exploit technological developments in relation to aspects of healthcare provision. Moreover, glimpses of future healthcare establish a wider use of nanotechnology, individualized drugs, cell-based computing and microchip-enhanced brains.

Notwithstanding the previously mentioned prospects, there has not been a systematic research and evaluation of the empirical literature on e-health applications and their impact on the quality and safety of healthcare delivery. Relevant theoretical, technical, developmental and policy literature has not been synthesized with a view to producing a definitive overview of the interaction.

The *International Journal of Reliable and Quality E-Healthcare* (IJRQEH) exploits a novel framework for revealing, understanding, modeling and implementing appropriate reliability and quality interventions leading to quality assurance and improvement. It addresses a variety of issues which relate to the quality

and reliability assurance of e-healthcare, patient safety, patient empowerment, education on quality, e-medicine, and e-healthcare evaluation. It aims to international leading edge research and best practice with a view to provide an interdisciplinary forum for the international debate on theoretical and practical aspects of quality, patient safety, and e-health interaction.

As a result, it supports students understand the effect of new technologies on health systems, helps healthcare professionals better understand their patients, acts as an assistant for patients to derive more benefits from their healthcare, and encourages e-health systems designers and managers to ground everyday practice on quality principles. Its target audience includes students, healthcare professionals, academics, researchers, managers, policy makers, and non-profit organizations.

The eighth issue of the journal provides an overview of the topics of interest. Specifically, the first four articles come from the *International Conference on Electronic Health* (ICEH), which was held in Tehran, Iran, Nov 29-30, 2012 while in the fifth article, Georgi Chaltikyan, Armen Avoyan, Ruben Hovhannisyan, Tatul Saghatelyan, Aleksandr Aroyan describe the Armenian health system emphasizing on the Information and Communication Technologies

sector. They argue that some revival of the field in the recent years is primarily related to consistent efforts by the authorities to develop e-health, and the emergence of the national professional organization – Armenian Association of Telemedicine (AATM).

In conclusion, the eighth issue confirms the journal's impact, which could be summarized as follows:

- Probing into the interaction of quality and e-health;
- Providing essential information to assess e-health systems and services;

- Offering information about reliability modeling in e-health networks;
- Inquiring state of the art methods in quality, patient safety, patient empowerment and education in e-health;
- Describing reliable e-healthcare processes and policies.

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