INNOVATIVE TECHNOLOGIES IN THE MANAGEMENT OF ELECTRONIC MEDICAL RECORDS: e-Pulse

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Introduction

The goal of the e-pulse system is, “to enable the patient’s access to the system 24/7 wherever the patient is receiving care in order to obtain information about his/her own medical condition.” This system is a patient health data management system that integrates with hospitals of the Ministry of Health, as well as with family doctors, university hospitals and private health institutions.

A New e-Health System: e-Pulse

e-pulse is a personal data management system that makes it possible for healthcare professionals authorized by the Ministry of Health, to easily, reliably and effectively access personal medical data.
e-pulse is the world’s broadest and most comprehensive medical informatics infrastructure and encompasses an entire system whereby regardless of where medical examinations, lab studies and treatment are conducted, individuals can manage the medical data produced about themselves, access their medical history from a single source and share this data with whomver they wish.

Legal Structure: Data Safety

This system offers data protection to individuals under the following laws:

- Law No.6669 dated Jan. 30, 2016 on “The Approval of Personal Protection Agreements regarding the Automatic Processing of Personal Data”
- Law No. 6705 dated April 20, 2016 on “The Approval of the Protocol on Supervisory Authorities and Cross-border Data Flow Supplementary to Personal Protection Agreements regarding the Automatic Processing of Personal Data.”


References


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Conclusion

In terms of Turkey’s development, e-Pulse is an innovative technology that offers our population of 75 million the opportunity of electronic access to personal health data. The intensive efforts in the first 5 months of 2016 to establish a legal framework for the system resulted in achieving the legal protection of personal data and the integration with all related systems. Providing accessibility, applicability and user-friendliness in visual resolution, the interface facilitates use in both internet and mobile environments. Although integration with wearable technology has not as yet been completed, efforts are underway to provide this facility as well.