

FOREWORD

Technology & Innovation in Healthcare System

Recently, healthcare organizations have continually put tremendous efforts to raise medical treatment standard as well as improve customer satisfaction and strengthen their business competence. The underlying reasons generally depend on the inadequate planning, inappropriate procurement, poorly organized and managed healthcare technical services, and a shortage of skilled personnel. Moreover, the mismanagement of physical assets impacts on the quality, efficiency and sustainability of health services at all levels. In modern healthcare, healthcare technology has a major role to play. Technology and innovation have become a vital component to drive the continual changes and to serve the objective of high-standard healthcare provision. Not only do healthcare organizations heavily rely on medical technologies like robotic surgery, CT scan, 3D organ printing, precision medicine but also supporting technologies like health information system (HIS), healthcare ERP, etc. have played an important role in facilitating organizational workflow and processes. In addition, most diagnostic, therapeutic, and rehabilitation activity is based on the extensive use of medical technologies. The management tools to make strategic decisions depend on the quality of information. By investing in those technologies, healthcare organizations are inevitably pressured by higher cost of services. Despite that healthcare executives are trying to manage the rising cost of healthcare services, they are also facing the issues related to privacy, cybersecurity threats, mounting medical records as well as the long-standing issues from internal organizations such as change resistance and technology adoption. Therefore, to strengthen the development of healthcare organizations and ecosystems for the next decade, new perspectives on technology and innovation management are required.

This special issue deals with the current health context based on new technologies demands working with an updated model of management and organization to achieve appropriate levels of clinical effectiveness, efficiency, safety and quality. I would like to thank Dr. Fatema Jawad Editor in Chief, Journal of Pakistan Medical Association whose countless efforts made this special issue possible

Guest Editor
Professor Dr. Wen Cai