Preface

Digital health is a discipline that includes digital care programs, technologies with health, healthcare, living, and society to enhance the efficiency of healthcare delivery and to make medicine more personalized and precise. It uses information and communication technologies to facilitate understanding of health problems and challenges faced by people receiving medical treatment and social prescribing in more personalised and precise ways. The definitions of digital health and its remits overlap in many ways with those of health and medical informatics.

Worldwide adoption of electronic medical records has been on the rise since 1990 and is closely correlated with the existence of universal health care. Digital health is a multi-disciplinary domain involving many stakeholders, including clinicians, researchers and scientists with a wide range of expertise in healthcare, engineering, social sciences, public health, health economics and data management.

Digital health technologies include both hardware and software solutions and services, including telemedicine, wearable devices, augmented reality, and virtual reality. Generally, digital health interconnects health systems to improve the use of computational technologies, smart devices, computational analysis techniques, and communication media to aid healthcare professionals and their patients manage illnesses and health risks, as well as promote health and wellbeing. [i]

In the present book, twelve typical literatures about digital health published on international authoritative journals were selected to introduce the worldwide newest progress, which contains reviews or original researches on digital health. We hope this book can demonstrate advances in digital health as well as give references to the researchers, students and other related people.

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[i] https://en.wikipedia.org/wiki/Digital_health