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Nota di contenuto	Cover -- Title -- Copyright -- End User License Agreement -- Contents -- Preface -- Acknowledgements -- List of Contributors -- Artificial Intelligence (AI) in Cancer Diagnosis and Prognosis -- Parsa Mahmood Dar1,*, Amara Dar2 and Komal Hayat3 -- 1. INTRODUCTION -- 2. MAJOR CANCER TYPE -- 2.1. Lung Cancer -- 2.2. Breast Cancer -- 2.3. Prostate Cancer -- 2.4. Colorectal Cancer -- 2.5. Development in Diagnostic Tools -- 3. ARTIFICIAL INTELLIGENCE (AI) IN PRECISION MEDICINE -- 4. CHALLENGES FOR AI IN CANCER TREATMENT -- CONSENT FOR PUBLICATION -- CONFLICT OF INTEREST -- ACKNOWLEDGEMENT -- REFERENCES -- Alternative or Auxiliary: Artificial Intelligence Accelerates the Development and Transformation of the Medical Care -- Jie Yang1,2,*, Quanyi Hu1, Rui Tang3, Han Wang4,5, Kairong Duan1,6, Feng Wu5 and Simon Fong1,5 -- 1. INTRODUCTION -- 2. ABOUT ARTIFICIAL INTELLIGENCE -- 3. APPLICATION STATUS AND DEVELOPMENT PROSPECTS IN THE MEDICAL INDUSTRY -- 3.1. Current Status of the Application of AI -- 3.1.1. Intelligent Services in the Ageing Society -- 3.1.2. Smart Ward -- 3.1.3. Hazard Warning Identification -- 3.1.4. Assistance in Disease Diagnosis -- 3.1.5. Assistance in Drug Development and Disease Treatment -- 3.1.6. Gene Sequencing -- 3.2. Development Prospects of AI -- 3.2.1. Cancer Management: The Combination of Tumor Organic Chips and AI -- 3.2.2. Clinical Decision Support: Intelligent Data Integration -- 4.

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Sommario/riassunto

"Current and Future Application of Artificial Intelligence in Clinical Medicine presents updates on the application of machine learning and deep learning techniques in medical procedures. Chapters in the volume have been written by outstanding contributors from cancer and computer science institutes with the goal of providing updated knowledge to the reader. Topics covered in the book include 1 Artificial Intelligence (AI) applications in cancer diagnosis and therapy, 2 Updates in AI applications in the medical industry, 3 the use of AI in studying the COVID-19 pandemic in China, 4 AI applications in clinical oncology (including AI-based mining for pulmonary nodules and the use of AI in understanding specific carcinomas), 5 AI in medical imaging. Each chapter presents information on related sub topics in a reader friendly format. The combination of expert knowledge and multidisciplinary approaches highlighted in the book make it a valuable source of information for physicians and clinical researchers active in the field of cancer diagnosis and treatment (oncologists, oncologic surgeons, radiation oncologists, nuclear medicine physicians, and radiologists) and computer science scholars seeking to understand medical applications of artificial intelligence."-- Provided by publisher.

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Nota di contenuto	PREFACE; CONTENTS; FIGURES AND TABLES; SUMMARY; ACKNOWLEDGMENTS; ACRONYMS; Chapter One POLITICAL USE OF THE INTERNET IN CHINA; INTRODUCTION; THE STATE OF THE INTERNET IN CHINA; THE STATE OF UNSANCTIONED NGOs INSIDE CHINA; USE OF THE INTERNET; MEASURING SUCCESS; FUTURE TRENDS; Chapter Two GOVERNMENT COUNTERSTRATEGIES; BEIJING'S DILEMMA: CONTROL VERSUS MODERNIZATION; THE NATURE OF THE CHINESE INFORMATION SECURITY ENVIRONMENT; COUNTERSTRATEGIES; MEASURING SUCCESS; FUTURE TRENDS; Appendix DISSIDENT WEB SITES; REFERENCES
Sommario/riassunto	An analysis of the political use of the Internet by Chinese dissidents, both in the PRC and abroad, and the counterstrategies that Beijing has employed to prevent or minimize its impact. Although PRC officials have responded to the increased use of the Internet with predominantly traditional measures, they have been relatively successful. No credible challenges to the regime exist at present, despite the introduction of a massive modern telecommunications infrastructure. However, time may be on the side of the regime's opponents.