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Nota di contenuto	1. Introduction -- 2. What is Artificial Intelligence? -- 2.1. Definitions -- 2.2. History -- 2.3. State of play and future prospects -- 3. Bioethical inquiries about artificial intelligence -- 3.1. Bioethical issues common to weak and strong artificial intelligence -- 3.2. Bioethical

issues resulting from strong artificial intelligence -- 3.2.1. Ontological discussions -- 3.2.2. Consequential discussions -- 4. Medicine and artificial intelligence -- 4.1. Use of artificial in health services -- 4.2. Main challenges in medical ethics -- 4.2.1. Confidentiality and privacy -- 4.2.2. Compassion, veracity and fidelity -- 4.2.3. Communication skills and case based approach -- 5. Conclusion.

#### Sommario/riassunto

This book explores major bioethical issues emerging from the development and use of artificial intelligence in medical settings. The authors start by defining the past, present and future of artificial intelligence in medical settings and then proceed to address the resulting common and specific bioethical inquiries. The book discusses bioethical inquiries in two separate sets. The first set is comprised of ontological discussions mainly focusing on personhood and being an ethical agent of an artefact. The second set discusses bioethical issues resulting from the use of artificial intelligence. It focuses particularly on the area of artificial intelligence use in medicine and health services. It addresses the main challenges by considering fundamental principles of medical ethics, including confidentiality, privacy, compassion, veracity and fidelity. Finally, the authors discuss the ethical implications of involvement of artificial intelligence agents in patient care by expanding on communication skills in a case-based approach. The book is of great interest to ethicists, medical professionals, academicians, engineers and scientists working with artificial intelligence.