

1. Record Nr.	UNINA9910467746403321
Autore	Jaluska Matous <1985->
Titolo	Dvorna hra a vysoka laska : uvedenii k trubadurskemu zpevniku R. // Matous Jaluska
Pubbl/distr/stampa	Praha : , : Filozoficka fakulta Univerzity Karlovy, , 2018
ISBN	80-7308-881-9
Descrizione fisica	1 online resource (248 pages)
Disciplina	891.861008
Soggetti	Czech poetry Electronic books.
Lingua di pubblicazione	Ceco
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910420928603321
Autore	Ekmekci Perihan Elif
Titolo	Artificial Intelligence and Bioethics // by Perihan Elif Ekmekci, Berna Arda
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-52448-5
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (107 p.)
Collana	SpringerBriefs in Ethics, , 2211-8101
Disciplina	174.90063
Soggetti	Bioethics Artificial intelligence Biomedical engineering Artificial Intelligence Biomedical Engineering/Biotechnology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

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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.