

1. Record Nr.	UNINA9911066012303321
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Titolo	Artificial Intelligence in Medicine and Dentistry : Advancing Science, Education, and Clinical Practice // by Lobat Tayebi, Sachin Shetty, Seyedmisagh Imani
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2026
ISBN	3-032-15977-6
Edizione	[1st ed. 2026.]
Descrizione fisica	1 online resource (351 pages)
Collana	Engineering Series
Disciplina	610.28
Soggetti	Biomedical engineering Artificial intelligence Medicine - Research Biology - Research Dentistry Medical ethics Biomedical Engineering and Bioengineering Artificial Intelligence Biomedical Research Biomedical Devices and Instrumentation Medical Ethics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction of Artificial Intelligence in Healthcare -- Part I: AI in Medicine -- AI in Medical Diagnostics -- AI in Treatment and Patient Care -- AI in Medical Education -- AI in Healthcare Management -- Part II: AI in Dentistry -- AI in Dental Diagnostics -- AI in Dental Treatment Planning -- AI in Dental Education -- AI in Dental School and Practice Management -- AI Research in Medicine and Dentistry -- The Future of AI in Healthcare Education and Science.
Sommario/riassunto	This comprehensive book bridges the gap between cutting-edge artificial intelligence (AI) technology and its practical applications in dentistry and medicine. It empowers healthcare professionals, educators, and students to stay ahead in a rapidly evolving field by

providing in-depth knowledge and practical insights into how AI is transforming diagnostics, treatment planning, patient care, and education. The book thoroughly explores AI-driven innovations, such as enhanced dental diagnostics, robotics in surgery, personalized medicine, and the integration of AI into medical and dental education. Packed with real-world examples and case studies, it offers actionable strategies for implementing AI tools and technologies in clinical practice. Readers will gain a deep understanding of the ethical considerations and legal frameworks essential for the responsible adoption of AI, ensuring they are well-equipped to navigate the complexities of modern healthcare. Artificial Intelligence in Medicine and Dentistry: Advancing Science, Education, and Clinical Practice is designed to help professionals elevate their practice, improve patient outcomes, and contribute to the advancement of healthcare. It serves as a vital resource for anyone looking to harness the power of AI to revolutionize their field, fostering innovation and driving progress in dentistry and medicine. Offers comprehensive coverage of AI in healthcare with a focus on practical applications and training; Provides critical ethical and legal insights; Includes practical case studies.

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