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Titolo	Artificial Intelligence in Dentistry // by Khalid Shaikh, Sreelekshmi Vivek Bekal, Hesham Fathi Ahmed Marei, Walid Shaaban Moustafa Elsayed, Dusan Surdilovic, Lubna Abdel Jawad
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Descrizione fisica	1 online resource (205 pages)
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Soggetti	Biomedical engineering Dentistry Artificial intelligence Machine learning Biomedical Engineering and Bioengineering Artificial Intelligence Machine Learning
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Formato	Materiale a stampa
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Note generali	Includes index.
Nota di contenuto	Introduction to Dentistry and Dental Health -- Evolution of Dental Profession -- Prevalent Dental Diseases: Symptoms, Types, Etiology -- Connection between mouth and body - Importance of dental health in general health & well-being -- Advances in Dentistry -- Artificial Intelligence and its Role in Healthcare -- Artificial Intelligence and Machine Learning in Dentistry -- Case Studies.
Sommario/riassunto	This book provides an introduction to next-generation applications and technologies for improving diagnostic accuracy and prediction of treatment outcomes in dentistry through the use of artificial intelligence (AI) and machine learning (ML). The authors attempt to bridge the gap between dental research and global health outcomes, as well as provide a comprehensive guide to general and clinical aspects of dental and oral health issues and the etiology, prevalence,

assessment, and management of these conditions. This book combines engineering applications and medical healthcare and will be an important reference for researchers, biomedical engineers, dental students, and dental practitioners. Looks at recent advances in dental and oral health; Discusses AI applications in dentistry; Includes case studies.
