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Artificial Intelligence in Prosthodontics & Oral Implantology

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Abstract

Artificial intelligence is gaining attention all over the globe as it has marked a high impact, breakthrough in the field of intelligence innovation. It is utilized in every field, from automation to dentistry. It is a lifesaver for dentistry especially in the field of Prosthodontics as it helps in the designing of prostheses and in the making of functional maxillofacial appliances. It is also helpful in the process of patient documentation, diagnosis, treatment planning and patient management; hence it helps the dental health care professional to work smarter not harder. Artificial intelligence (AI) applications are growing in dental implant procedures. AI models for implant type recognition, implant success prediction, and implant design optimization have demonstrated great potential but are still in development.

Biography

Dr. Arpit Sikri [BDS (Gold Medallist), MDS (Prosthodontics), PGDHM, DWCOI] is currently working as Associate Professor & Post Graduate Teacher in the Department of Prosthodontics, Bhojia Dental College & Hospital, Baddi, Himachal Pradesh, India. He had earlier worked as Senior Resident in the most prestigious dental institute of the country i.e. Maulana Azad Institute of Dental Sciences, New Delhi, India. He had also worked as Senior Lecturer in Santosh Dental College, Santosh Deemed to be University, Ghaziabad (Delhi NCR) & Senior Lecturer in Sudha Rustagi College of Dental Sciences & Research, Faridabad, Haryana, India. He is the youngest dental surgeon of India to have completed his Post Graduate Diploma in Hospital Management from National Institute of Health and Family Welfare (NIHFW, New Delhi) and that too with distinction. He has also been conferred with Diplomate Fellowship in the field of implantology by World Congress for Oral Implantology (WCOI), Tokyo, Japan.

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