PRINICPLES AND POSSIBILITIES OF ARTIFICIAL INTELLIGENCE IN ORAL RADIOLOGY

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ABSTRACT

With the deployment of AI, it is anticipated that during the next ten years, the quality, value, and depth of radiology's contribution to patient care and population health, as well as radiologists' work processes, will undergo a significant revolution. Dentists must use all of their knowledge to evaluate patients and choose the best course of treatment. When determining the prognosis, they must also make precise clinical judgements. Dentists occasionally, nonetheless, lack the information required to quickly determine the best clinical course of action. To make better judgements and perform better, they can employ AI programmes as a guidance. The majority of the literature focuses on artificial intelligence (AI) models that use convolutional neural networks (CNNs) and artificial neural networks (ANNs). Artificial learning's results are anticipated to lessen both the daily workload of doctors and the frequency of incorrect diagnoses and under diagnoses in the dentistry profession.

KEYWORDS: Artificial Intelligence, Artificial Neural Intelligence, Convolutional Neural Networks, Deep Learning