

## EDITORIAL

Amazing developments are taking place in science & technology in the world every day so is the case in Dentistry.

In the dynamic landscape of dental care, 2024 brings forth few transformative trends poised to redefine the patient experience and practice of dentistry.

This editorial explores these key trends that signals a new era in oral health.

Digital radiography provides clearer images with reduced radiation, enabling quick identification of issues.

Dental surgeons now tailor their approaches to each patient, factoring in unique oral health needs. This shift ensures more effective oral health needs.

The integration of Artificial Intelligence (AI) in dental practices has revolutionised the field & improved patient outcomes. AI algorithms are being utilized to enhance diagnostic accuracy, treatment planning and patient management.

In the realm of diagnostic, AI technology has the ability to analyze radiographs with incredible precision, allowing for the early detection of cavities, gum diseases and oral cancer.

In recent years, there have been significant advancements in dental technology, such as the use of digital imaging, laser dentistry and CAD / CAM technology for creating precise dental restorations.

Biocompatible materials are designed to be compatible with the human body reducing the risk of adverse reactions or allergies. Their use in dentistry allows for more natural looking & long lasting dental restorations.

Minimally invasive procedures involve less cutting or removal of healthy tooth structure, preserving more of natural tooth. This shift reduces patient discomfort.

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