Transforming Oral Health: The Impact of Artificial Intelligence on Modern Dentistry: A Review of Literature

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Abstract:

Artificial intelligence (AI) is transforming dentistry by improving diagnosis, treatment planning, and patient care. Artificial intelligence-powered solutions such as virtual assistants, robotic systems, and deep learning algorithms improve workflows and outcomes in a variety of dental disciplines, including general dentistry, oral surgery, orthodontics, and Pediatric. AI also helps with dentistry education, research, and public health, providing individualized and efficient solutions. Despite its potential, issues such as data privacy, ethical concerns, and the need for regulatory control persist. AI is a potent augmentation tool, enhancing rather than replacing the critical function of human expertise in dentistry.

Key word:

Artificial, Dentistry, Accurate Diagnosis, Virtual Assistants, Robotic Dentistry.