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Application of digital technologies in tooth supported full mouth rehabilitation cases among dental practitioners – A questionnaire based study

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ABSTRACT

Statement of problem: Effective implication of digital technologies in tooth supported FMR requires understanding of current adoption levels, barriers and training needs among dental practitioner.

Aim: To assess the awareness, utilization, and perceived advantages and limitations of digital technologies among dental practitioners in tooth-supported full mouth rehabilitation cases.

Methodology:

A cross-sectional questionnaire-based study was conducted among dental professionals with experience in FMR. The questionnaire consisted of multiple-choice questions. A total of 165 participants responded through web questionnaire. After the completion of data collection, it was analysed using descriptive evaluation.

Results:

Data were analyzed using descriptive statistics to evaluate the level of awareness, adoption rate, and perceived effectiveness of digital technologies. Results indicated that a majority of practitioners recognized the advantages of digital workflows in terms of improved accuracy, reduced chairside time,

and enhanced patient satisfaction. However, challenges such as high costs, steep learning curves, and the need for specialized training were noted as barriers to widespread adoption.

Conclusion:

Digital technologies offer significant potential to enhance the efficiency and outcomes of tooth-supported full mouth rehabilitation. While most practitioners acknowledge these benefits, addressing the challenges through cost-effective solutions and comprehensive training programs can promote broader adoption and integration in clinical practice.

Keywords:

Digital dentistry, full mouth rehabilitation, tooth-supported prosthesis, CAD/CAM, intraoral scanning, digital workflow.

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