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Perceptions and Practices: A Questionnaire based study on the adoption of digital impression techniques for fixed dental prosthesis among dental professionals in Ahmedabad

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ABSTRACT:


Aim: This questionnaire based survey aim to explore the prevalence and factors influencing the adoption of digital impression techniques among dental professionals in Ahmedabad.

Methods and Materials: The present survey was carried out by contacting 300 dental practitioners of Gujarat via Google Docs forms and 253 dental practitioners reverted back with filled survey forms. The questionnaire was developed by one of the author and used to evaluate the adoption of digital impression techniques among dental professionals in Ahmedabad.

Results: This study reveals a favorable trend (92.1%) towards the adoption of digital impression techniques among dental professionals in Ahmedabad. Frequent use for fixed dental prostheses was reported by 48.6%, with 88.1% finding digital workflows more accurate and efficient. However, technical issues (56.1%), lack of training (45.5%), and high initial costs (38.3%) were noted challenges. Patient preference leaned towards digital workflows (73.1%), and (97.2%) of professionals observed significant improvements in prosthesis fit and adaptation compared to conventional methods, highlighting the potential for enhanced clinical outcomes with digital techniques.

Conclusion: Digital impression techniques were widely adopted in Ahmedabad, offering enhanced accuracy, efficiency, and patient comfort. Ongoing training is essential to maximize these benefits and further improve dental practice outcomes.

Keywords: Digital Impression Techniques, Fixed Partial Prosthesis

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