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Anterior Smile Designing in Prosthodontics: Conventional Vs Digital Approach A Questionnaire Based Study

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ABSTRACT

The need for an aesthetic preview before starting definitive treatment is well documented. There are several techniques and tools available for previewing the results of An aesthetic restoration.(1)

The traditional method uses the competencies and knowledge of the dental technician, who creates a diagnosis wax-up.

The modern, digital approach uses technologies such as computer-aided design and computer aided manufacturing (CAD/CAM) or Digital Smile Design. Digital Smile Design allows the practitioner to make the wax-up digitally, following the pre-configurations of Smile Design software, and then 3D print it. The mock-up, being the representation of the wax-up in the patient's arch, can therefore be derived either from the traditional cast or from the digital one.(1)


AIM: The aim of this short study is to Evaluate and compare aesthetic outcomes of digital and conventional smile designing.

MATERIAL and METHODOLOGY: The dental professionals are requested to answer the question of the google form and their response are recorded and converted into graphic representation which can Quickly explain the outcomes of the study.

RESULT: Digital smile designing has more positive responses hence we can conclude that digital smile design gives more favourable outcomes than conventional smile designing. 229 responses were recorded on google form in which 47.6 % dental professionals picked digital smile designing as a preferred smile designing method, 14% preferred conventional approach and 38.4% preferred combination of digital and conventional approach.

CONCLUSION: digital smile designing is more preferred by dental professionals in Gujarat. The material of choice for smile designing is lithium di silicate.

Keywords: Digital planning, Digital smile design, Mock up, Milling mock up, Digital workflow.

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