OSR
ORAL SCIENCES REPORTS

Case Report

Editor:
Awiruth Klaisiri,
Thammasat University, Thailand.

Received: July 11, 2022
Revised: August 19, 2022
Accepted: February 2, 2023

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Oral Sci Rep. 2023; 44(3): 13-26

The CAD/CAM Technology and Digital Smile Design for Fabricated Ceramic Veneers

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Abstract

Nowadays, the application of digital technologies and devices are widely used in dentistry. The explanation of the innovative and advanced digital technology for designing and fabricating the provisional restorations transfers to final restorations. Computer-aided design/computer-aided manufacturing (CAD/CAM) in digital dentistry has numerous advantages and greater efficiency and accuracy over the conventional techniques. The digital smile design (DSD) is used for esthetic dentistry especially in case of veneer and can be improved the effectiveness and efficiency of dentist to patient and dentist to technician communication. However, the applications of DSD and CAD/CAM require an understanding of the principal concept and digital technology to create the precise and esthetic outcome of the final restoration.

Keywords: computer-aided design/computer-aided manufacturing, digital smile design, veneer