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REMOVABLE COMPLETE DIGITAL DENTURES

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Edentulism has been a serious public health problem in industrialized countries due to population ageing and in developing countries due to poor oral care. The life quality and nutrition intake are impacted for edentulous patients. Historically, the complete removable denture is the last prosthetic procedure to switch to digital techniques. Computer-aided design and Computer-aided manufacturing (CAD/CAM) has emerged as a new approach for the design and fabrication of complete dentures. However, unlike the extensive use of this new technology in other aspects of dentistry, the use of CAD/CAM was limited in the production of complete dentures due to lack of CAD software until recently. Several systems are now available including the Wieland Digital Denture which offers a complete procedure. Virtual complete dentures have been successfully designed using the software through several steps including generation of 3D digital edentulous models, model analysis, arrangement of artificial teeth, trimming of relief area and occlusal adjustment. The practitioner's role has been simplified. Removable denture design has used the same classical procedures for more than fifty years despite their being associated with many risks of errors and long laboratory and clinical procedures. Thus the advantages of setting up a digital chain seemed obvious.

Biography

Arshdeep Kaur is pursuing Bachelor of Dental Surgery and currently doing her internship at a reputed college and hospital Dr Harvansh Singh Judge Institute of Dental Sciences and Hospital, Panjab University, Chandigarh, India. She will be completing her internship in July, 2019.

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