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An overview on 3D Printing technologies used in Dentistry

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ABSTRACT

The world has undergone a digital revolution in the past few decades which has a powerful impact on our daily lives and the medical and dental fields. More accurate scanning and manufacturing techniques allow for wider networking, better planning and more automated production techniques. Over the conventional approach, the Digital approach has gained in popularity because of its versatile applications.

3D Printing is an additive process of making three-dimensional solid objects from a digital file by laying down successive layers of material until the object is created. 3D printing has been applied in many areas of dentistry as it offers efficiency, affordability, accessibility, reproducibility, speed, and accuracy. This paper will give an insight into the various technologies and applications of three-dimensional printing.

Keywords: 3D Printing, Stereolithography, Sintering, Additive Manufacturing, 3DP, Three dimensional printing

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