APPLICATIONS OF 3D PRINTING IN PROSTHODONTICS Manu Rathee¹, Prachi Jain², Sujata Chahal³, Sandeep Singh³, S Divakar³, Sarthak Singh Tomar³

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Introduction: Three-dimensional (3D) printing technologies are advanced manufacturing technologies based on computer-aided design digital models to create 3D objects. In 3D printing, objects are fabricated by adding material layer-by-layer, to form a 3D volumetric structure. It comprises data acquisition through various scanning technologies followed by data processing and designing the model with a computer-aided design (CAD) software. The resulting STL file is imported into the printer software and the variables and parameters are specified to generate the information needed to run the 3D printer. Finally, the processed data is used to manufacture structures with the chosen material through the CAM step.

