

A study of computed tomography in dental implant

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ABSTRACT

It is different from the high-cost implant placement procedures implemented by expensive 3D laser scanner and rapid prototype machine; this study tries to propose a new fabrication process of drill guides in implant surgery to cut the cost down. But the high cost of these surgical equipments or products also made them unpopular in routine planning or performing dental implant surgery. The Study of Implant Placement Guides in Immediate Implant Surgery, this study describes a new interactive image-based program that allows computed tomography (CT) images to be used to place dental implants and construct a precise guide splint. Unlike conventional implant treatments involves making an incision along the jaw and stripping back the gum and expose the underlying bone. CT scans provide very precise images of the bone and can allow the visualization of the jaw bone. After multiplanar reformatting, 3D models may be constructed. The program for placing dental implants can be used by the 3D image-based..

Keywords : CT、 Implant、 Implant Surgery

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