

Digital scanning and 3D printing: The future is now for dentistry

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Abstract

Patients no longer must endure the “goo”, “mess” and “gagging” of traditional impression taking! Fast, highly accurate, no “mess” intraoral digital scanning has evolved to vastly improve the world of both patient and dentist! Highly accurate digital data allows equally accurate 3D printed models to be created in the dental office for everyday use. Dentistry has left the “Stone Ages” of fragile, inaccurate, messy gypsum models! Computers are now used to trim 3D printed models rather than using “stone age” grinders. Specific purpose made polymers is used with in-office 3D printers to 3D print accurate 3D models, surgical guides and provisional restorations. Patients can now have teeth replaced with implants so accurate that the restorations can be premade and delivered at the time of implant placement. Patients can walk out with new implants and new teeth! A wide range of specific case examples will be presented.

Biography

Perry Jones is a graduate of Virginia Commonwealth University, School of Dentistry, where he is an Adjunct Faculty, Associate Professor in the Oral Maxillofacial Surgery Department as well as an Associate Professor in the Department of General Dentistry. He has earned a Fellowship as well as Mastership in the Academy of General Dentistry and is the Director of the Virginia AGD Mastership program. For the past 10 consecutive years, he has given the Invisalign University Training program to the D3 pre-doctoral dental students at VCU School of Dentistry. He developed the curriculum for the VCU D2 Thermoplastics course, the first University in the world to use 3D printed models for a hands-on thermoplastics University course. Orthodontics has been a key practice focus for some 30+ years. One of the first Invisalign certified GP providers (2001), He has been a member of Align’s speaker TEAM since 2002, presenting some 300+ Invisalign certifications. He has published some 40+ articles in publications that include: Glidewell’s Inclusive Implant magazine, Chairside magazine, Dentistry Today, Inside Dentistry, Dental Product Shopper, Dental Economics, Journal of the Academy Cosmetic Dentistry, Journal of Clinical Orthodontics, Journal of Oral Implantology and others.

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