

# 10<sup>th</sup> Dentists and Prosthodontics Annual Meeting

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## Immediate implant placement of single central incisor using CAD/CAM protocol

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It has been shown that anterior implant placement after extraction has a beneficial aesthetic response by preserving the tissue and bony architecture. Several articles have shown that aesthetic gingival results can occur by using customized immediate provisional to capture the extraction sockets after placement of the implant. The use of prefabricated and customized provisional abutments have been successful in this process. This presentation will demonstrate the same techniques; however the pre-operative intra-oral scan of the clinical tooth and gingival architecture and the CBCT scan of the bone and root anatomy will be used to fabricate the customized provisional. This technique will show that the information gathered with these digital files can be used to capture and preserve the soft tissue architecture following extraction. The root-form/tooth form provisional will mimic the exact dimensions of the tooth before extraction and then replicate the anatomy to best preserve the tissues and bony architecture. Utilizing the concept of dual-zone therapeutic concept, the anatomical root configuration in the bony-implant zone can be replicated with the digitally designed immediate provisional.

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## “Doctor, my tooth is broken”: The relevance of dental research in clinical practice

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Dental research aims to provide objective answers for clinicians about how to best treat our patients. We produce thousands of scientific papers every year yet it is still difficult to deduce objective recommendations that will lead to predictable outcome for our patients on an individual basis. Arithmetic means and survival statistics are helpful but do not address the multi-factorial problems involved in managing a specific clinical scenario. This presentation will explore the applicability of research for use in daily dental practice. This paper will explore possible methods to narrow the dichotomy between research and practice to benefit the public we serve. Learning Objectives: To understand the limitations of applying current research methodology to treat our patients on an individual basis. To demonstrate potential avenues that dental research could develop to overcome current limitations of clinical relevance.

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