Screw-retained surgical guide for implant placement in terminal dentition patients with existing implants

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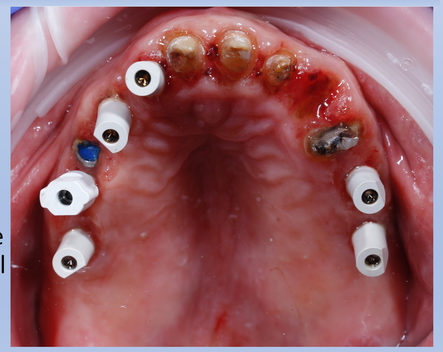
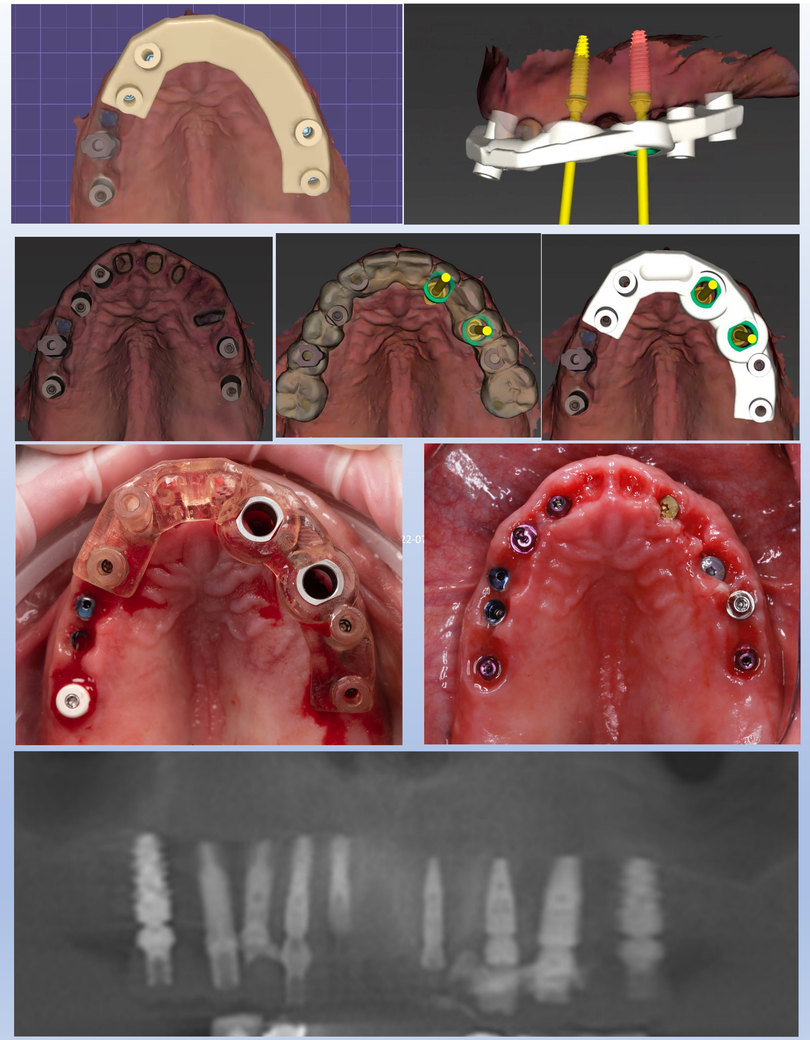
Objectives

To illustrate a step-by-step digitally planned guided implant placement protocol for terminal dentition patients with salvageable existing implants requiring full-arch implant rehabilitation.

Methods

A 71-year-old male patient presents to the clinic with “mixed dentition” on a provisional prosthesis. The patients arrive with a terminal dentition in need of full-arch implant rehabilitation. The utilization of their existing implants appears to be a viable option for transitioning surgical guide retention from mucosa-borne guidance to screw-retained surgical guides.





Conclusion

The advantages of this protocol include enhancing the accuracy of guided implant placement with screw-retention vs the traditional mucosa- or fixation pin support. Thus, this simplifies the transition from failing teeth to implants by ensuring that fixed provisionalization serves both functional and esthetic requirements.

This protocol can predictably reduce chairside time and significantly minimize adjustments at the surgical implant placement appointment.