

ENHANCING PRECISION IN IMPLANT DENTISTRY: A FULLY DIGITAL WORKFLOW FOR CHAIRSIDE CONVERSION AND IMPLANT SUPPORTED PROSTHESIS FABRICATION

Wadiah Almadani, BDS ; Neeraj Surathu, BDS ; Jack Piermatti, DMD, FACP ; Niranjan Joshi, BDS, MDS, MS, FACP
Nova Southeastern University

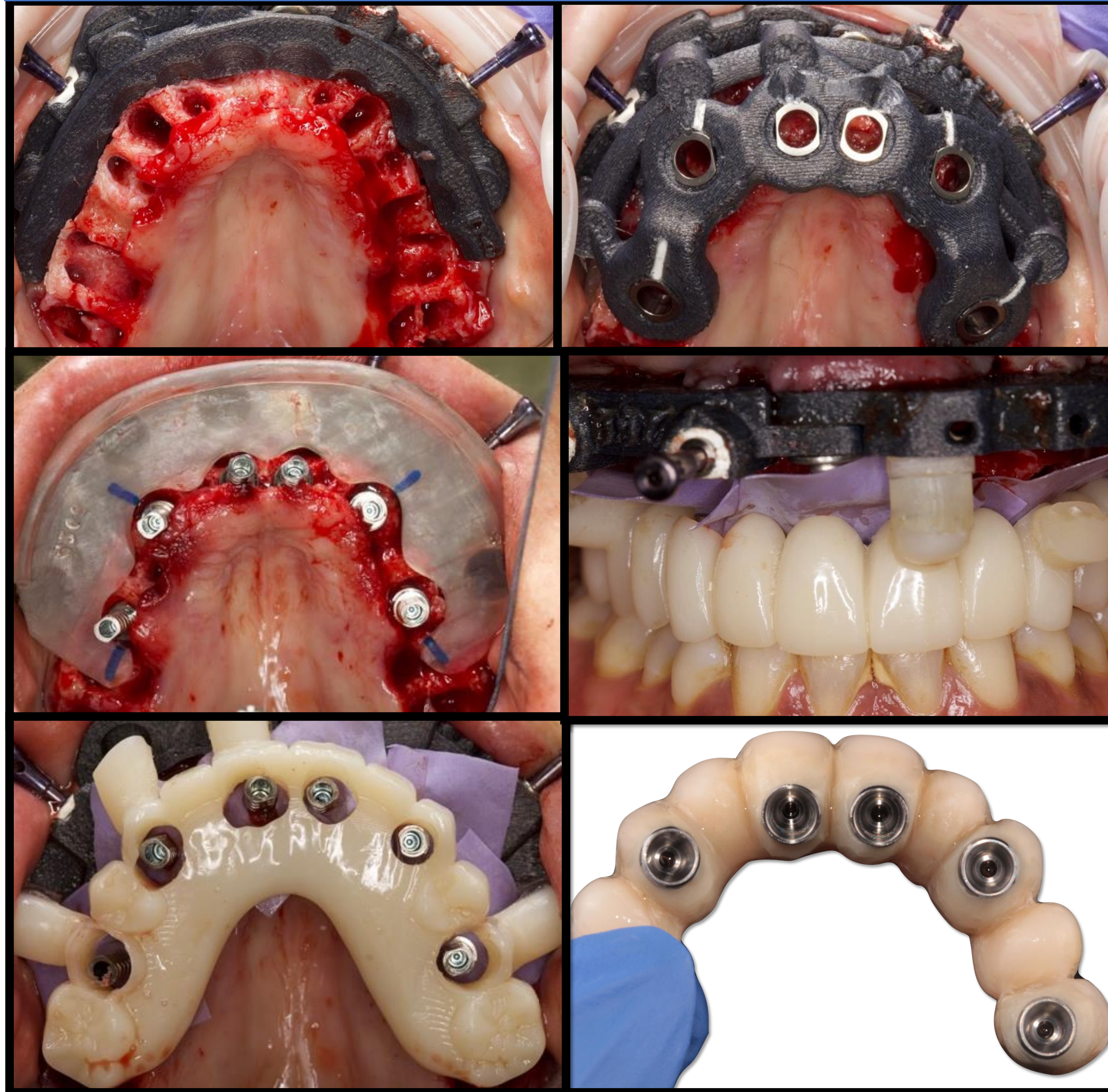
INTRODUCTION

This technique report introduces an advanced fully guided workflow enabling precise implant planning, chairside latched conversion, and the fabrication of a final prosthesis supported by implants. In-lab printed carbon fiber guides are provided for maxillary immediate implants placement along with PMMA provisional prosthesis conversion. Advanced intraoral scanning of multiunit scan bodies for fabricating final porcelain fused to metal restoration.

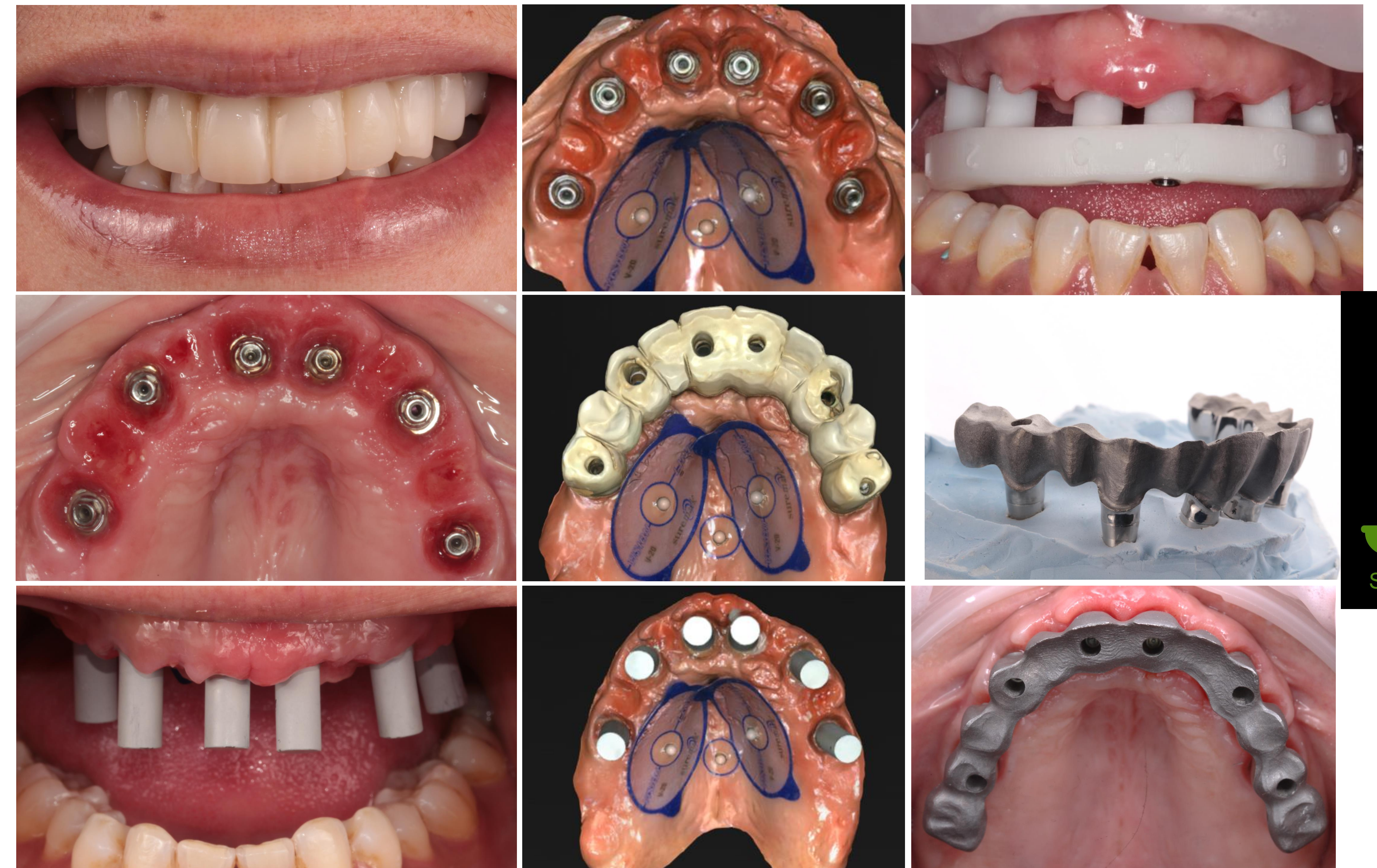
SURGICAL PLAN



EXECUTION



RESTORATIVE PHASE



CONCLUSION

By combining meticulous planning and prosthetic anchoring methods, this workflow demonstrates a paradigm shift in full-arch implant rehabilitation. Its holistic approach not only addresses the clinical intricacies of implant dentistry but also accentuates the significance of real-time chairside precision, ultimately leading to enhanced patient outcomes and practitioner satisfaction.

REFERENCES

Papaspyridakos P, Vazouras K, Gotsis S, Bokhary A, Sicilia E, Kudara Y, Bedrossian A, Chochlidakis K. Complete digital workflow for prosthesis prototype fabrication with double digital scanning: A retrospective study with 45 edentulous jaws. J Prosthodont. 2023 Aug;32(7):571-578. doi: 10.1111/jopr.13630. Epub 2023 Jan 18. PMID: 36527731.