



MI-CR: Where the Mandible Shifts, So Does the Mind

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INTRODUCTION

Management of anterior wear cases requires careful consideration of esthetics, function, and occlusion. Patients often present with concerns about tooth thinning and esthetics but underlying occlusal discrepancies must be diagnosed and corrected before definitive restoration. This case highlights the importance of centric relation (CR) based rehabilitation in restoring form and function with minimally invasive prosthodontics.

PATIENT PRESENTATION

Age/Sex: 40-year-old male

Chief Complaint: "My front teeth are thin; can you do crowns on them?"

Dental History: Wear limited to the maxillary anterior teeth

Minimally restored dentition

Completed Invisalign treatment 2 years ago in preparation for anterior prosthodontic work

Diagnosis/Problem List:

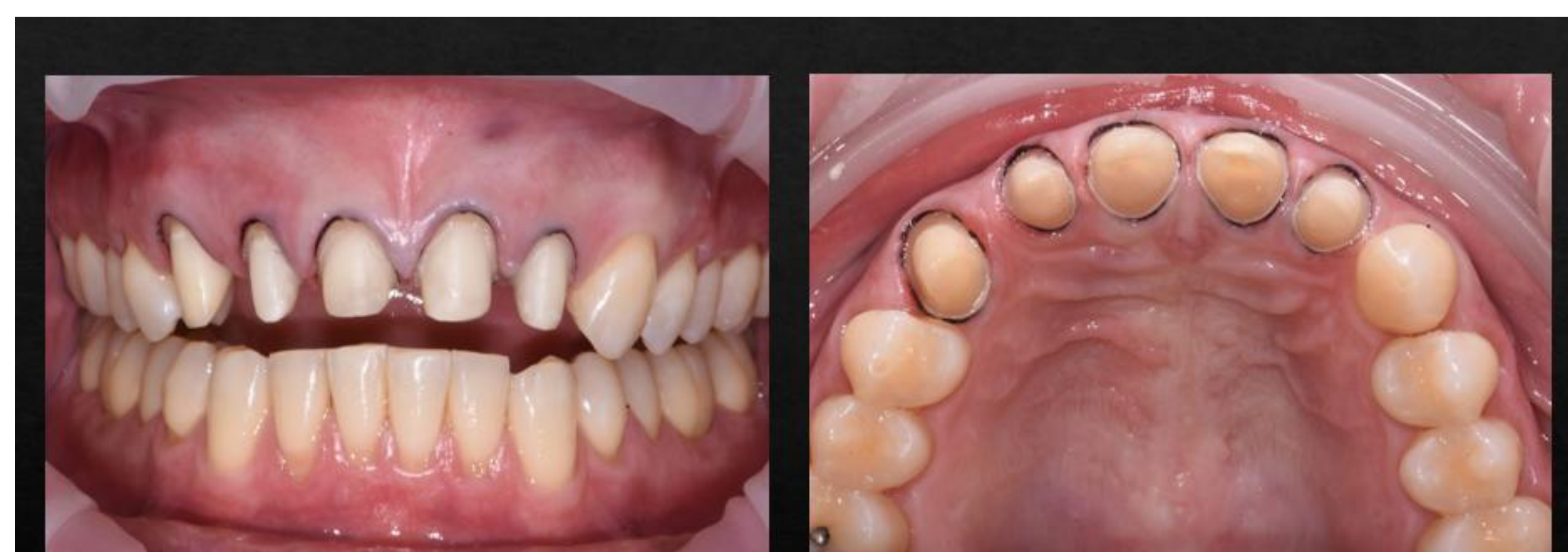
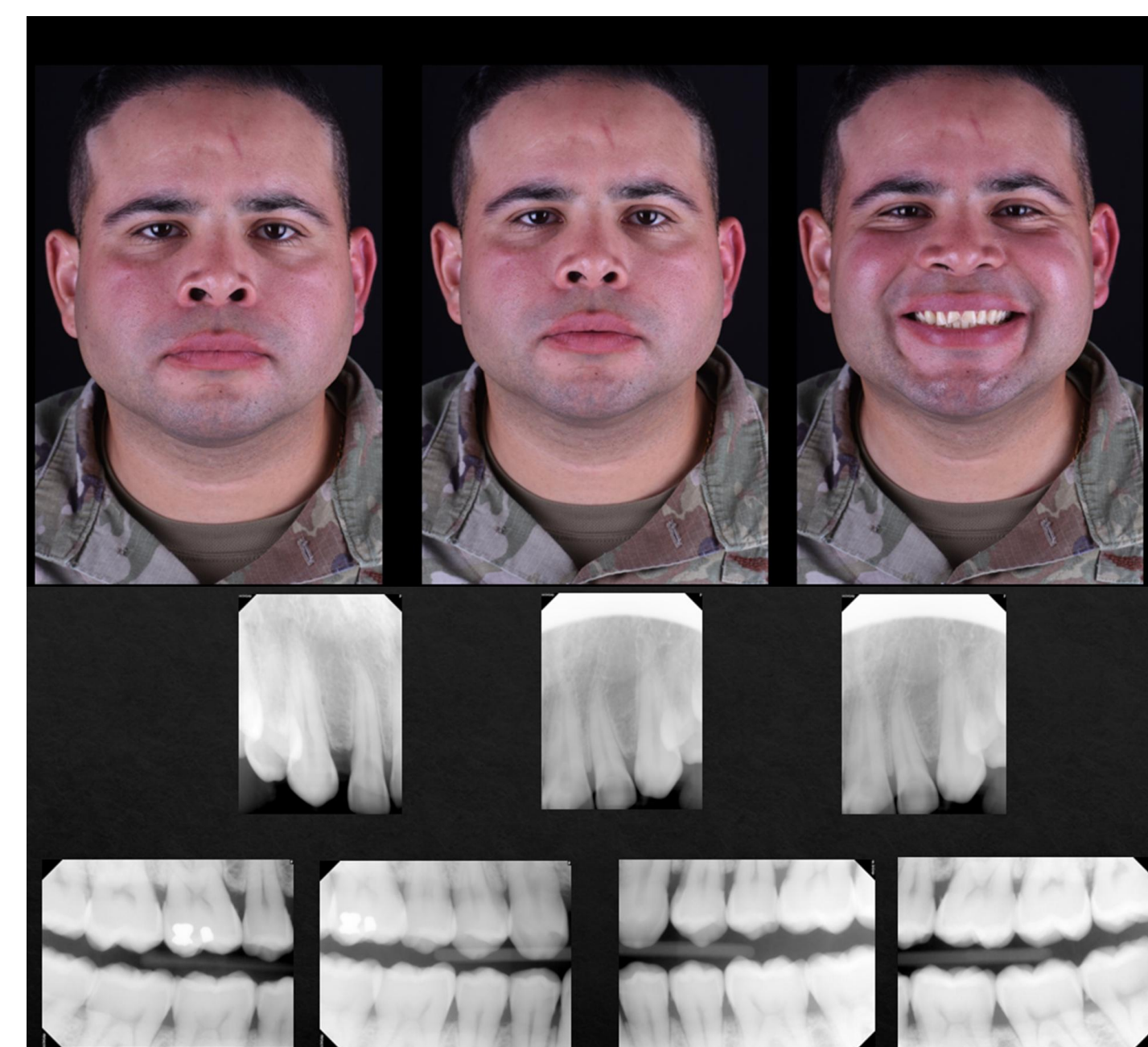
Erosion and attrition

Dentoalveolar extrusion

Diastema

Reverse smile line

Gingival asymmetry



Provisionals



RESULTS

Improved anterior guidance and occlusal harmony in CR

Restoration of incisal edge position, improving phonetics and lip support

Enhanced smile esthetics with corrected gingival symmetry and closure of diastema

Patient was satisfied with both esthetic and functional outcomes



Clinical Techniques

1. Diagnostic Phase

Mounted casts in centric relation using an anterior deprogramming device(Brodine)

Diagnostic equilibration was performed to establish stable CR contacts

Digital sculpting to visualize the restorative outcome

2. Provisionalization

Fabricated provisional crowns #6–10 and evaluated esthetics, phonetics, and function

Adjusted Provisionals to refine the gingival symmetry and smile line

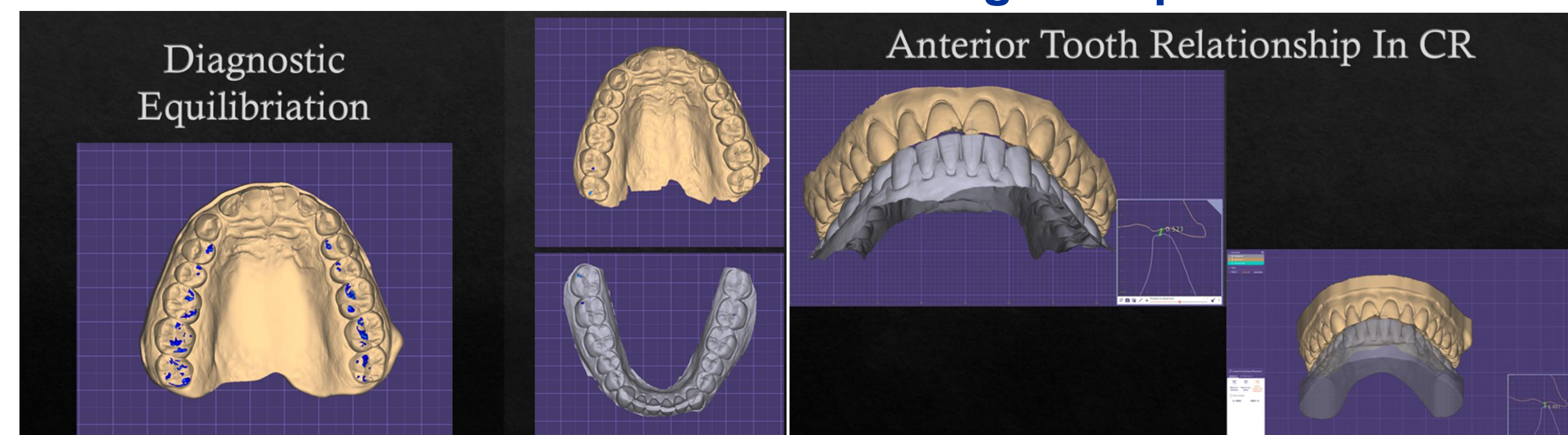
3. Definitive Restorative Phase

#6–10 full coverage zirconia crowns

#11 MIFL composite restoration to restore canine guidance

4. Maintenance Phase

Fabrication of an occlusal device for long-term protection



CONCLUSIONS

This case demonstrates that successful anterior rehabilitation requires more than replacing lost tooth structure. Establishing a stable occlusal relationship in centric relation, combined with careful esthetic planning and provisional restoration, leads to predictable restorative outcomes. Comprehensive diagnosis and phased treatment are crucial for achieving long-term success in managing patients with anterior wear.