

The Planning, Placement, Restoration, and Management of Adjacent Dental



Implants: A Case Series Academy of Osseointegration - 2025 Kelly Cusack DMD



College of Dentistry
and Dental Clinics

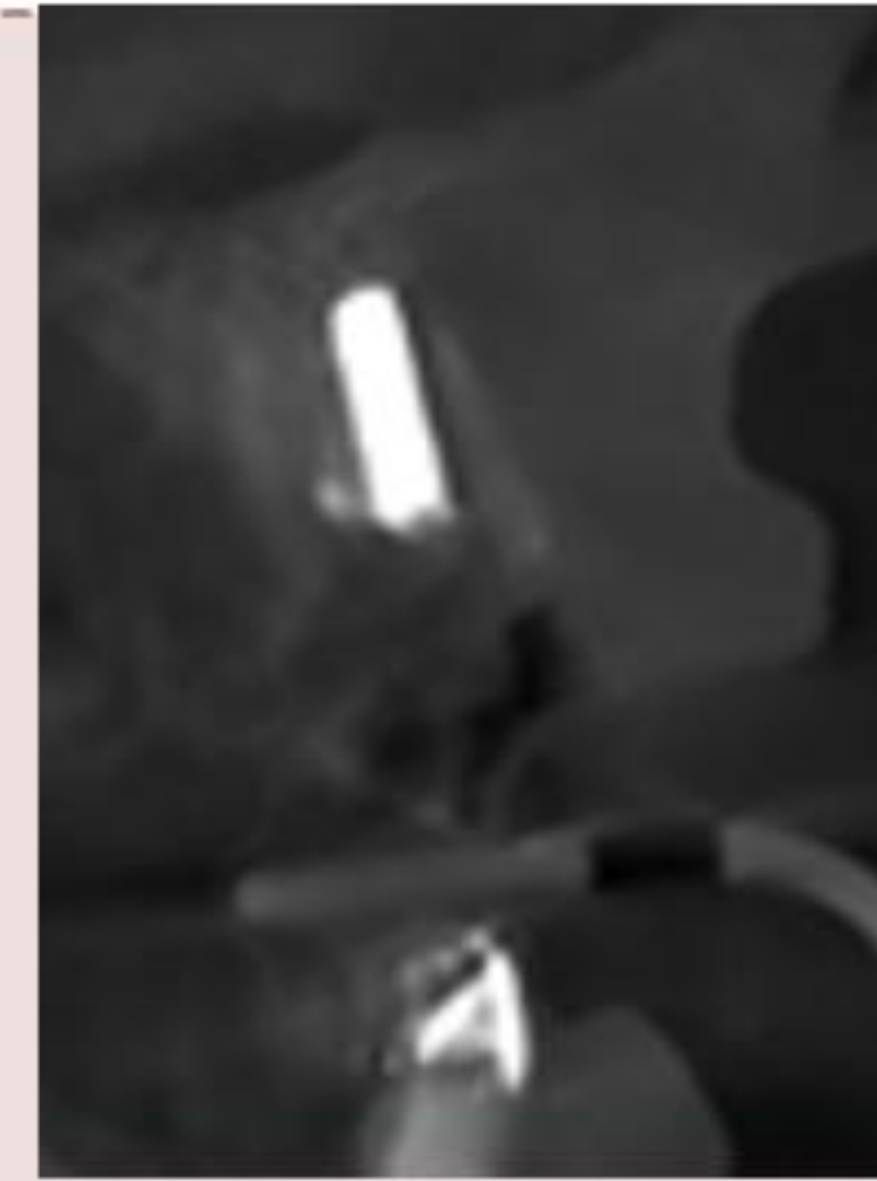
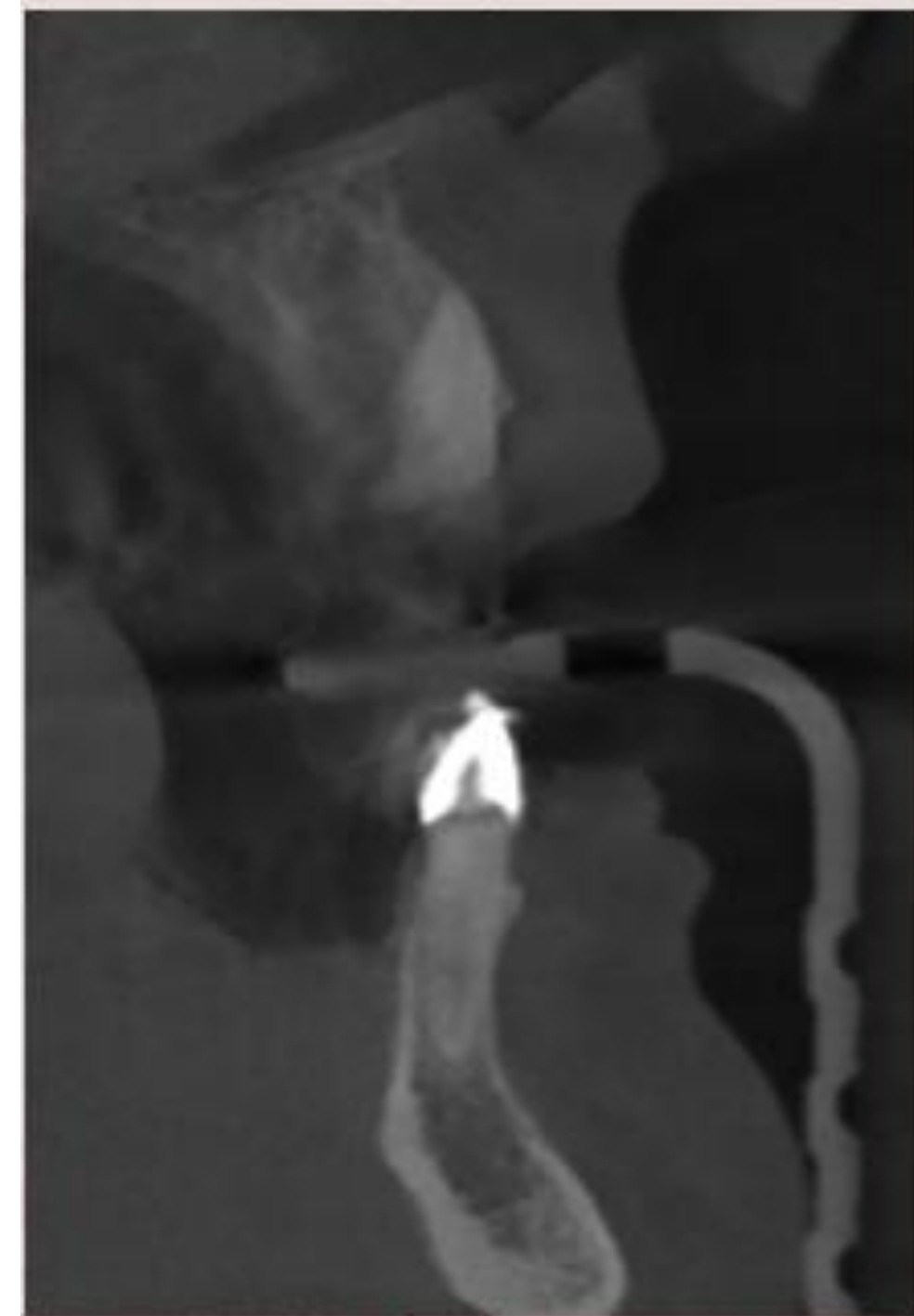
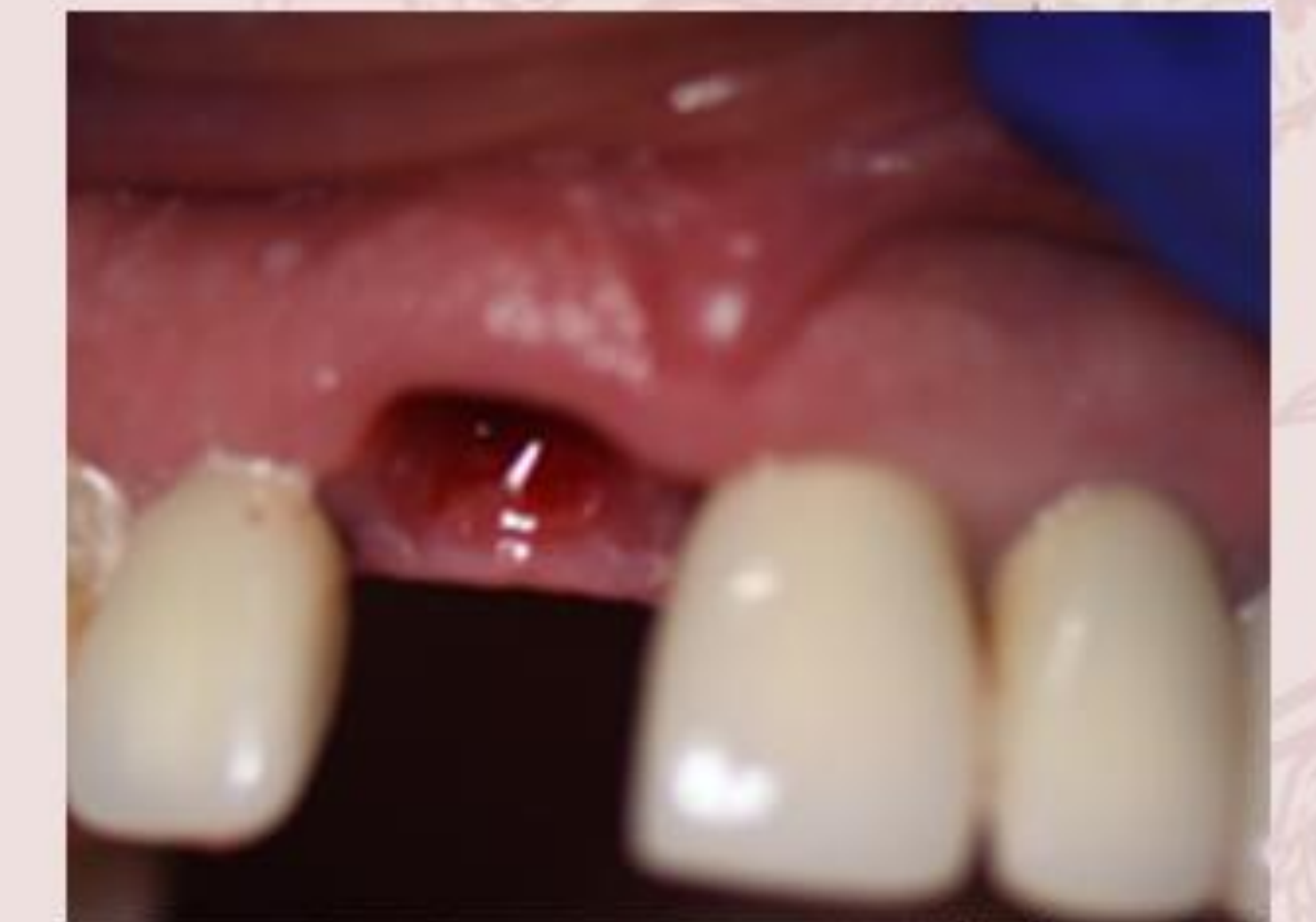
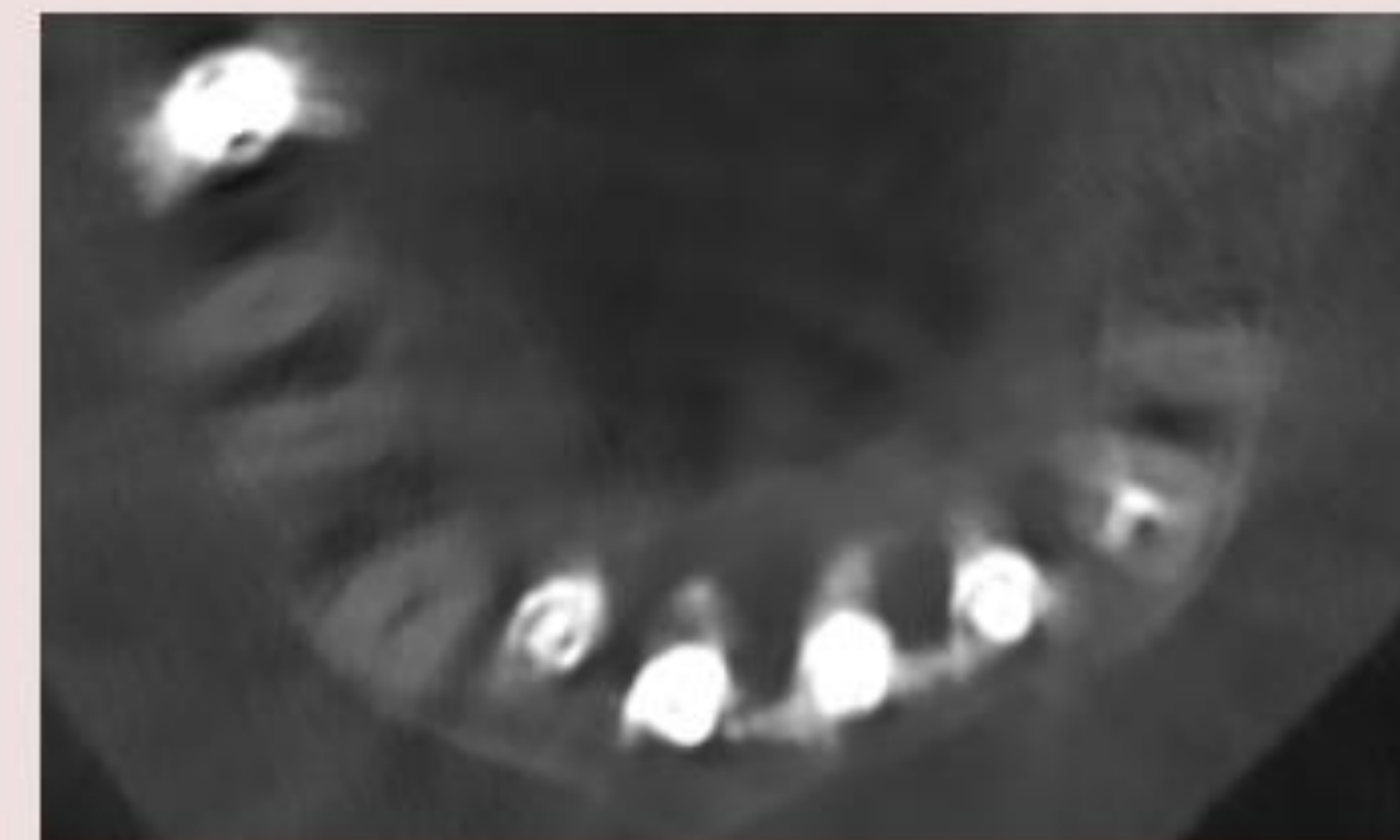
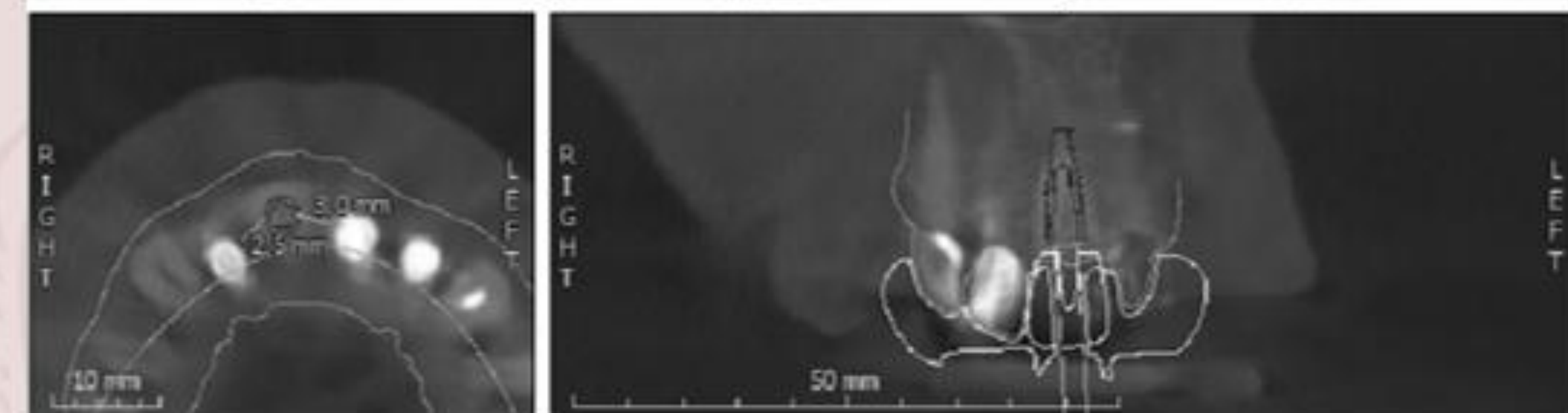
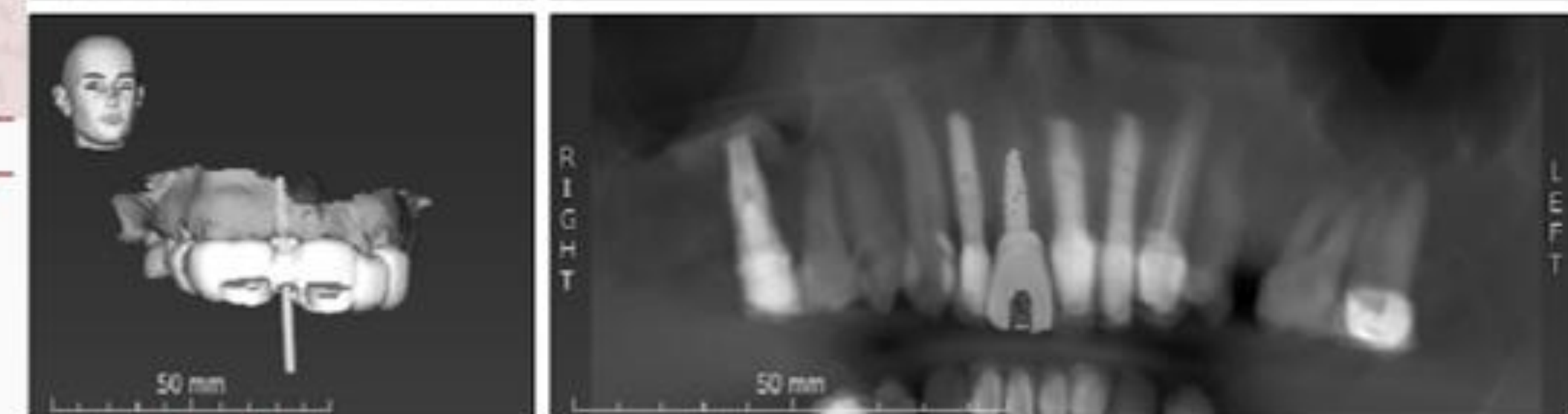
INTRODUCTION: Adjacent dental implants create surgical and prosthetic challenges that require critical attention to detail, pre-surgical planning, and flawless execution to achieve results to satisfy provider and patient expectations.

METHODS : Four patients presented for placement and restoration of adjacent dental implants. All surgical planning was completed digitally, and casts were analyzed. In these cases, either extraction and immediate implant placement or delayed implant placement was completed. In all cases, a full thickness flap was reflected, all implants were placed following respective manufacturer's protocols, initial stability of minimum 32ncm was achieved, all were temporized following completion of osseointegration and porcelain fused to metal crowns were delivered.

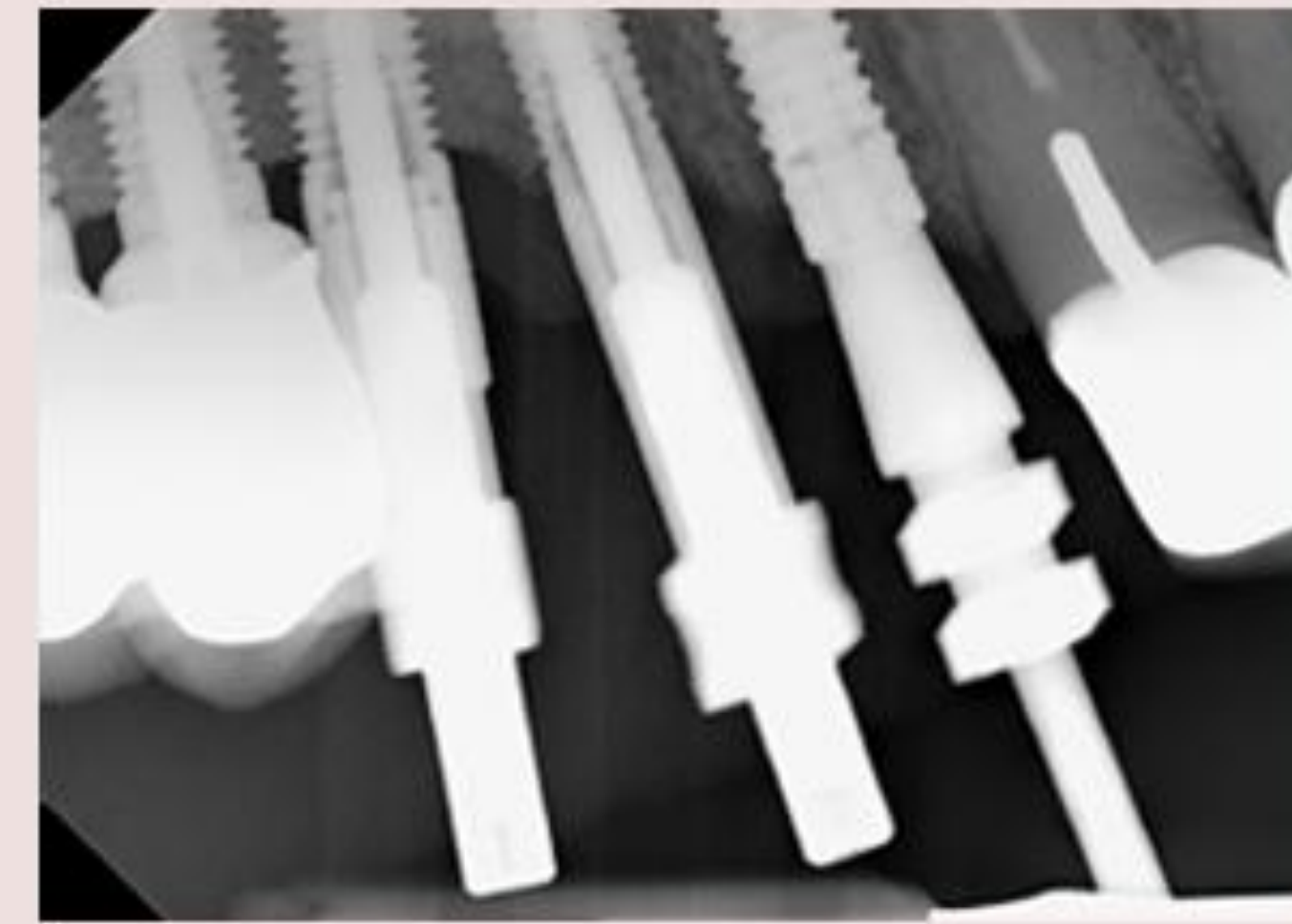
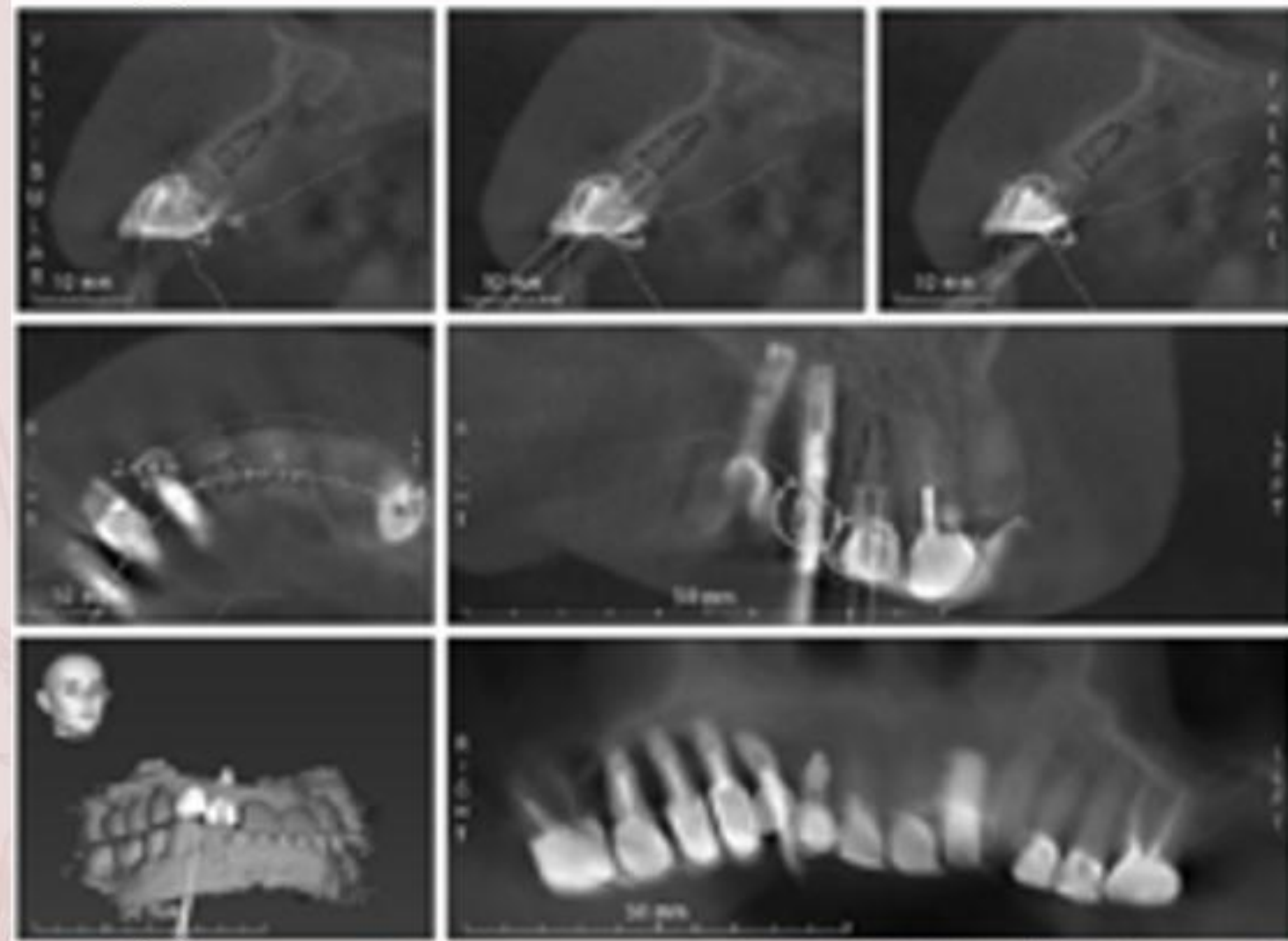
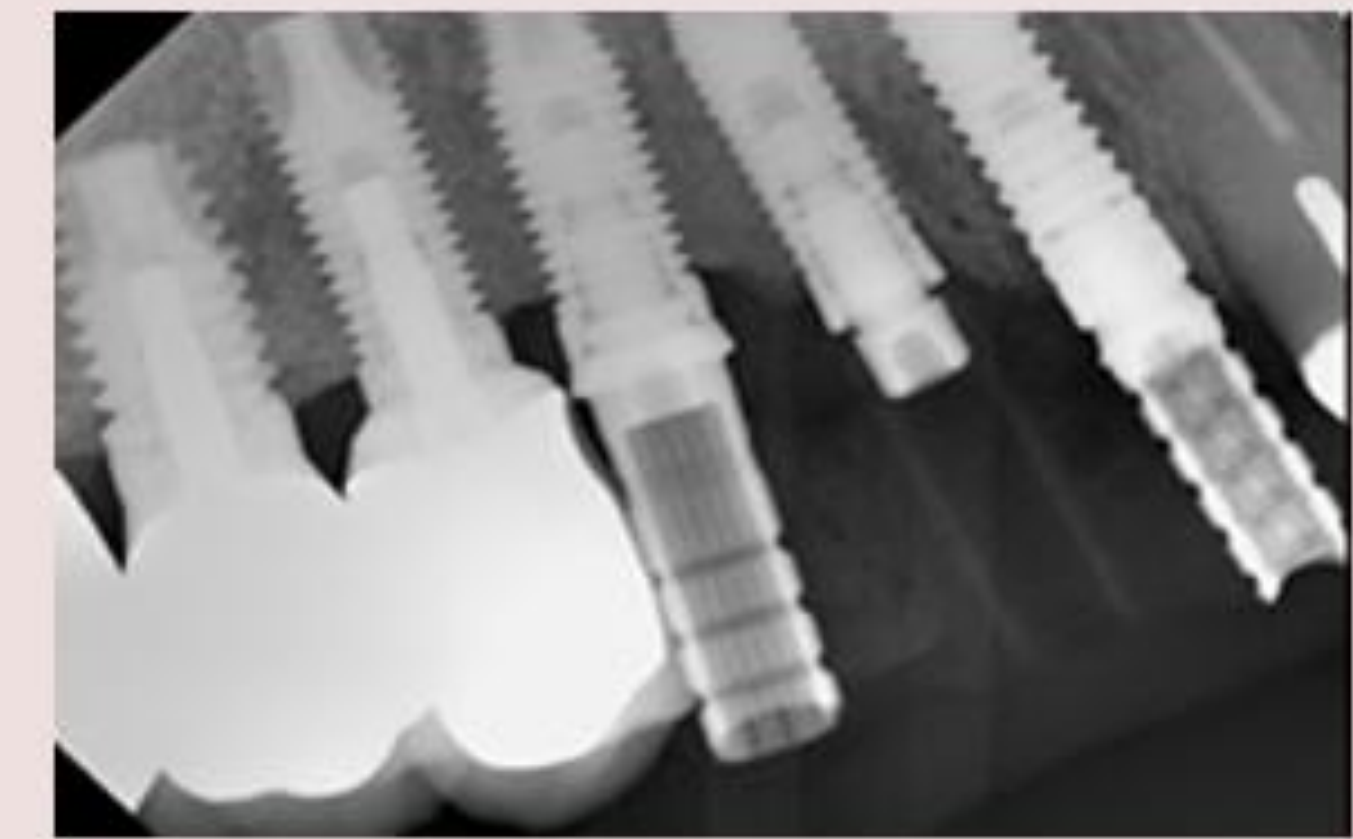
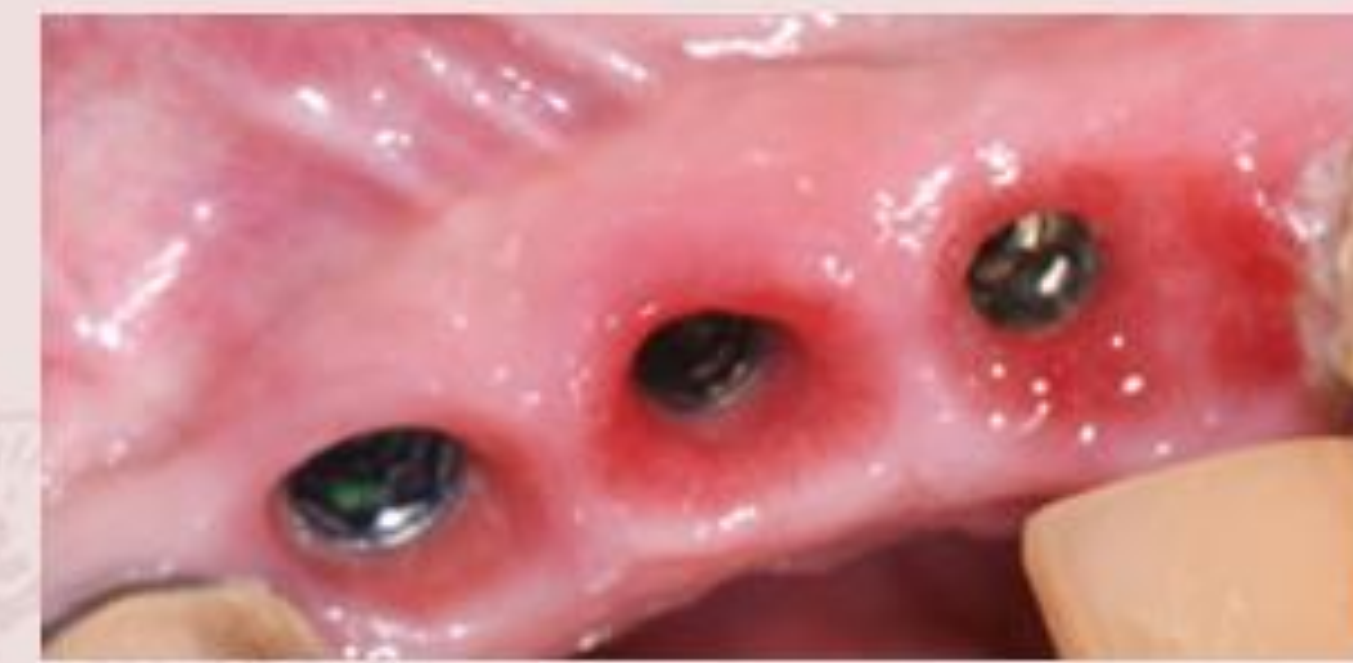
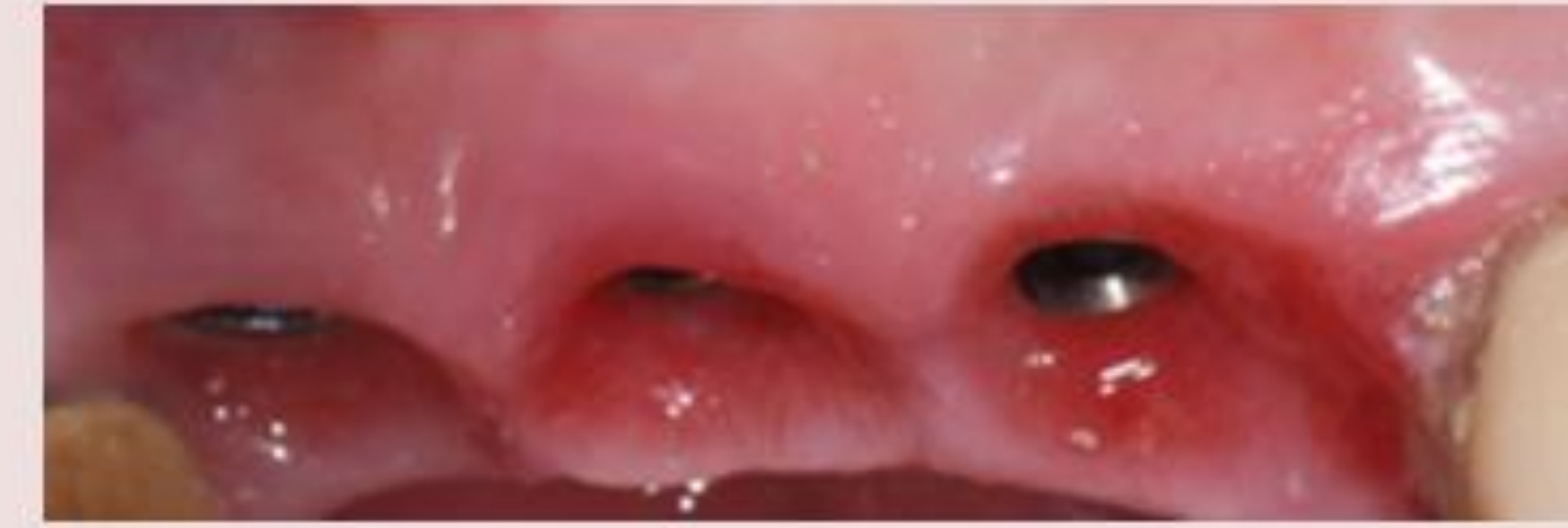
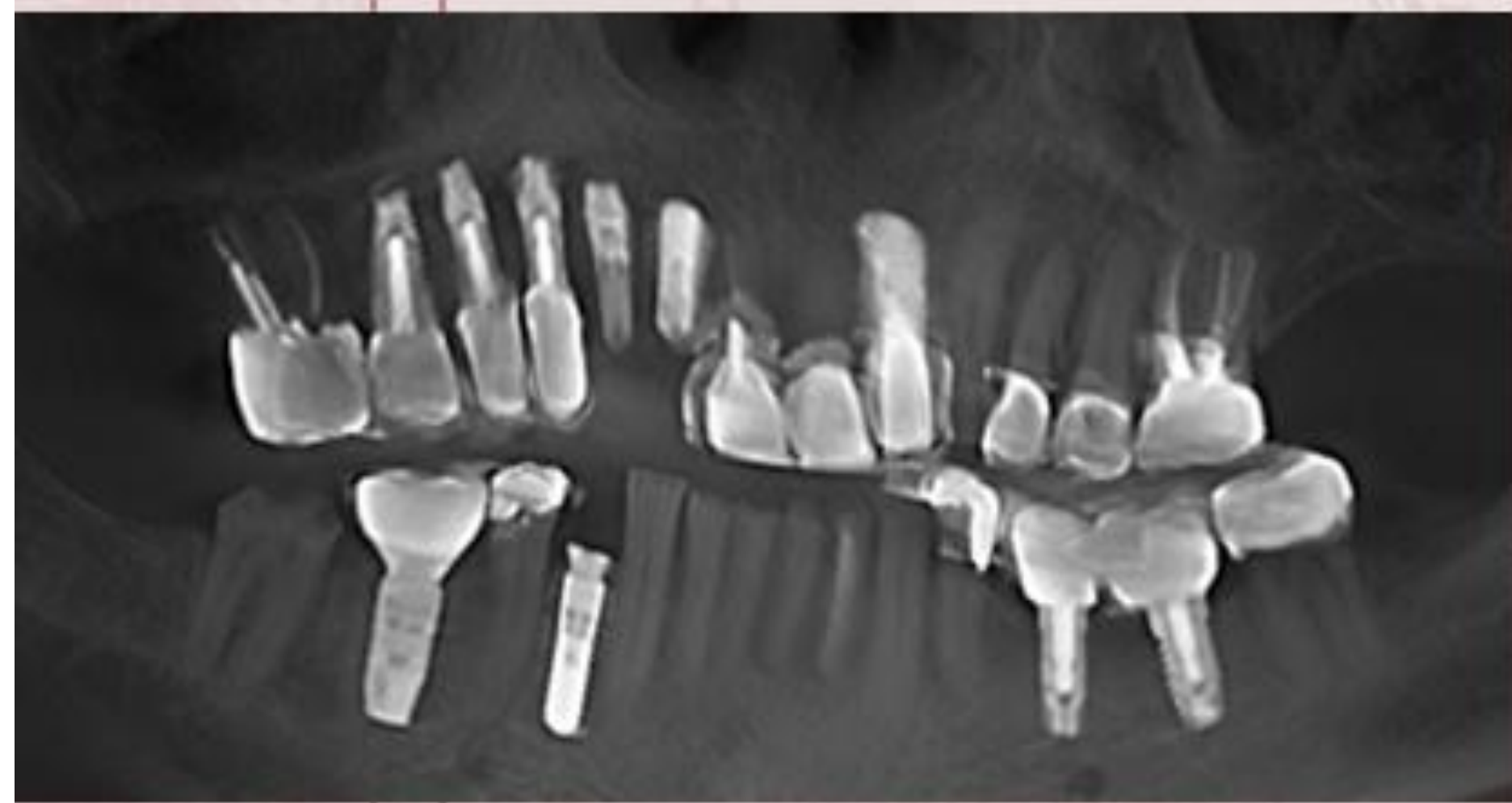
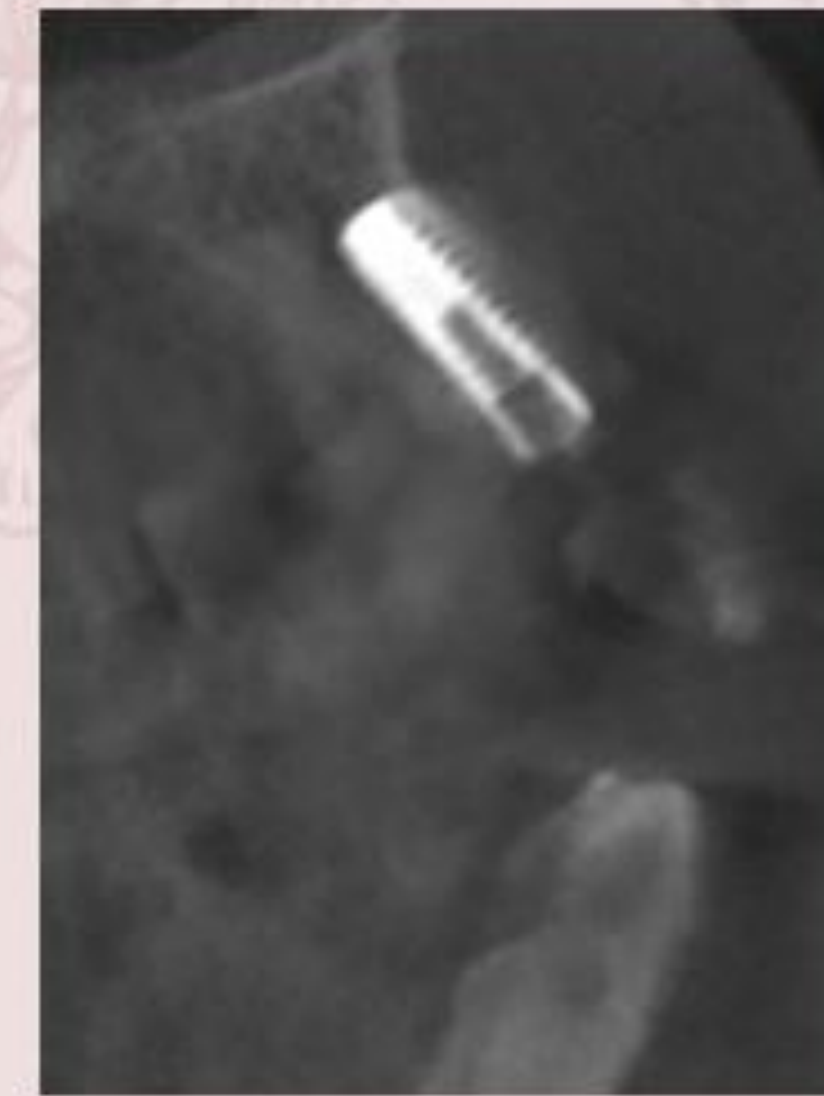
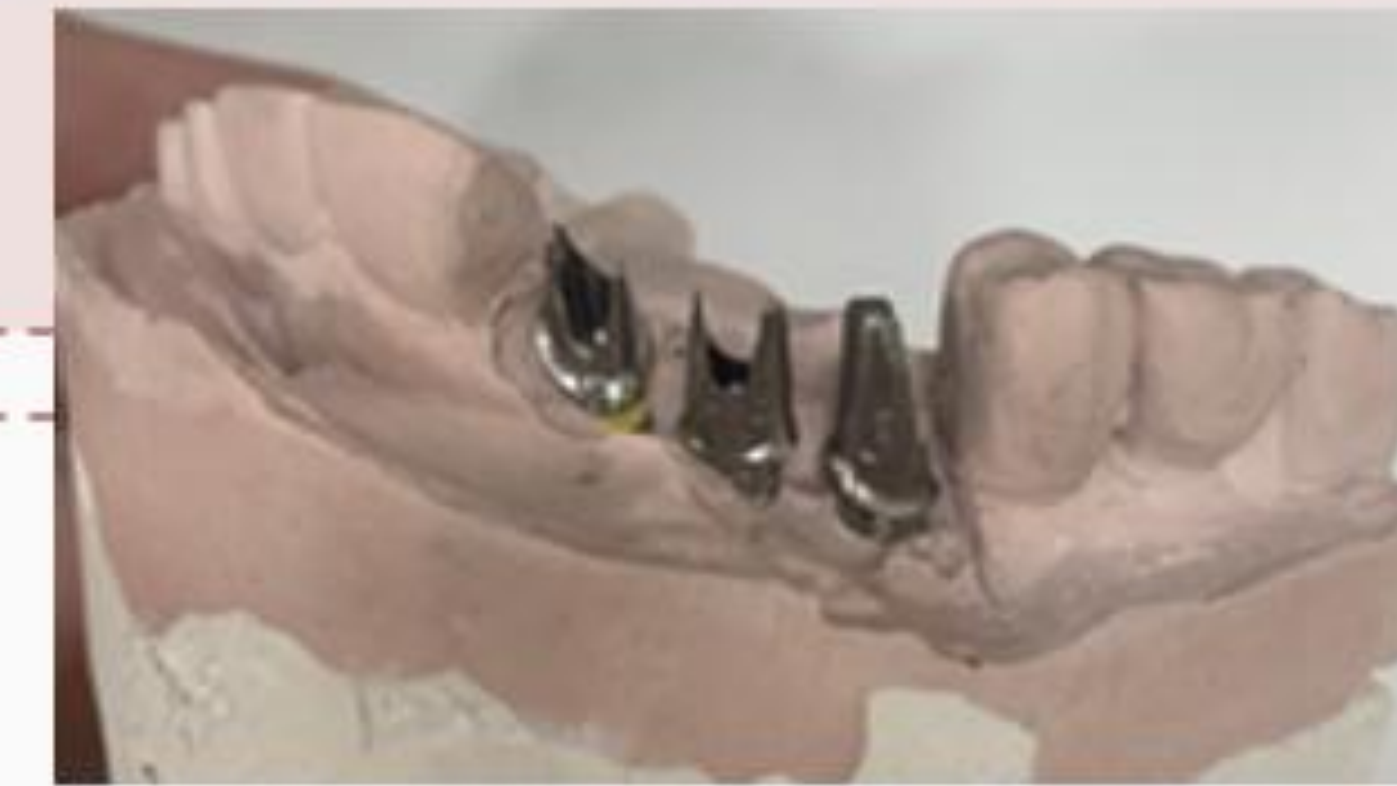
RESULTS AND CONCLUSIONS:

In all four cases, adjacent dental implants created many challenges that can be complicated by personal oral hygiene, gingival architecture, embrasure spaces, and a high standard for esthetic outcome that complements the patient's existing dentition. In these cases, temporary restorations were critical for shaping gingival architecture and perfecting the patients' personal oral hygiene and occlusion prior to the final restorations. As clinicians, it is critical to be able to recognize and address these challenges and customize treatment to your patient's specific needs to provide them with a predictable, esthetic, and functional solution. Adjacent dental implants create unique surgical and prosthetic challenges that require critical attention to detail, pre-surgical planning, flawless execution, and patient education to achieve a long-term and predictable result.

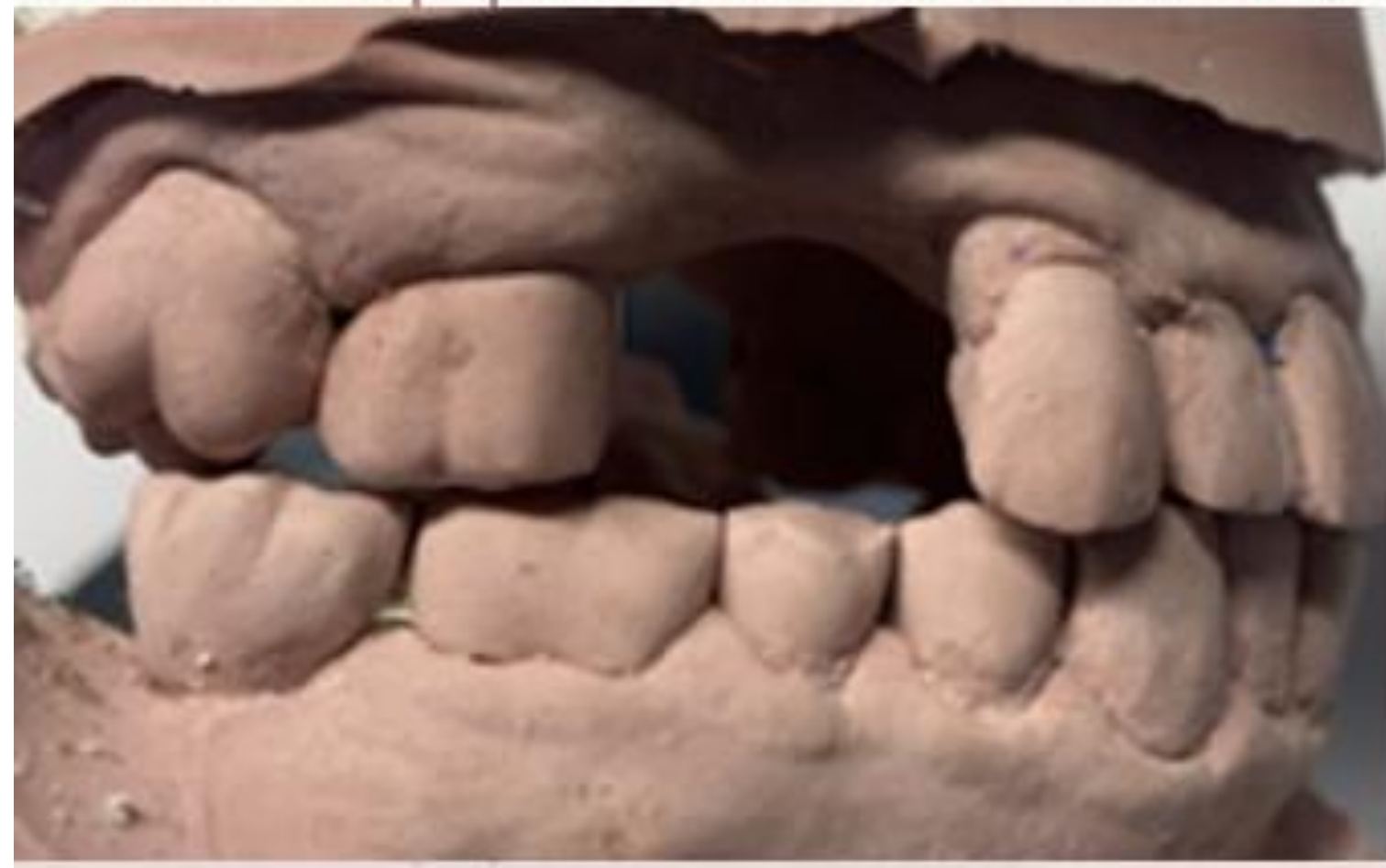
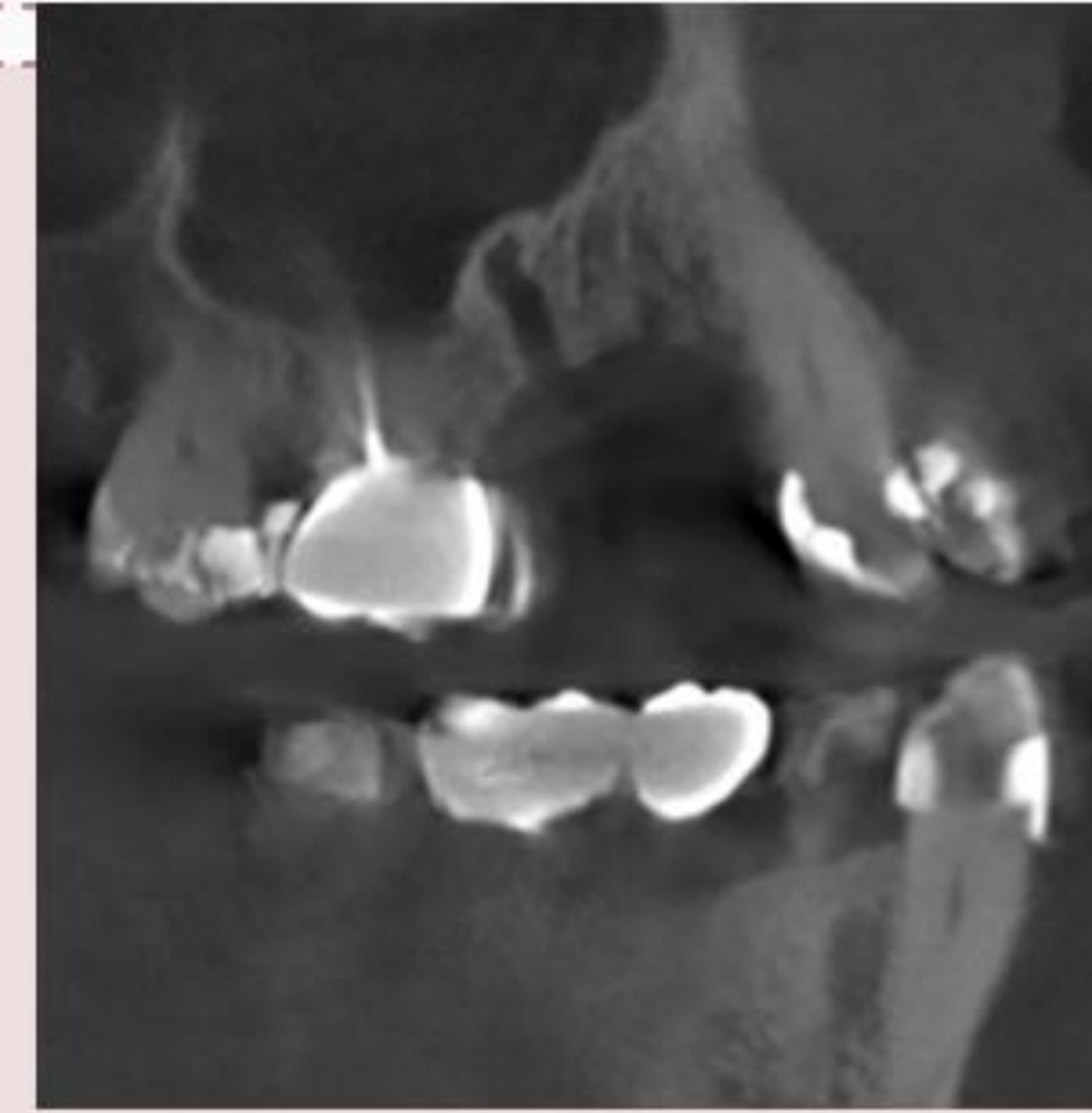
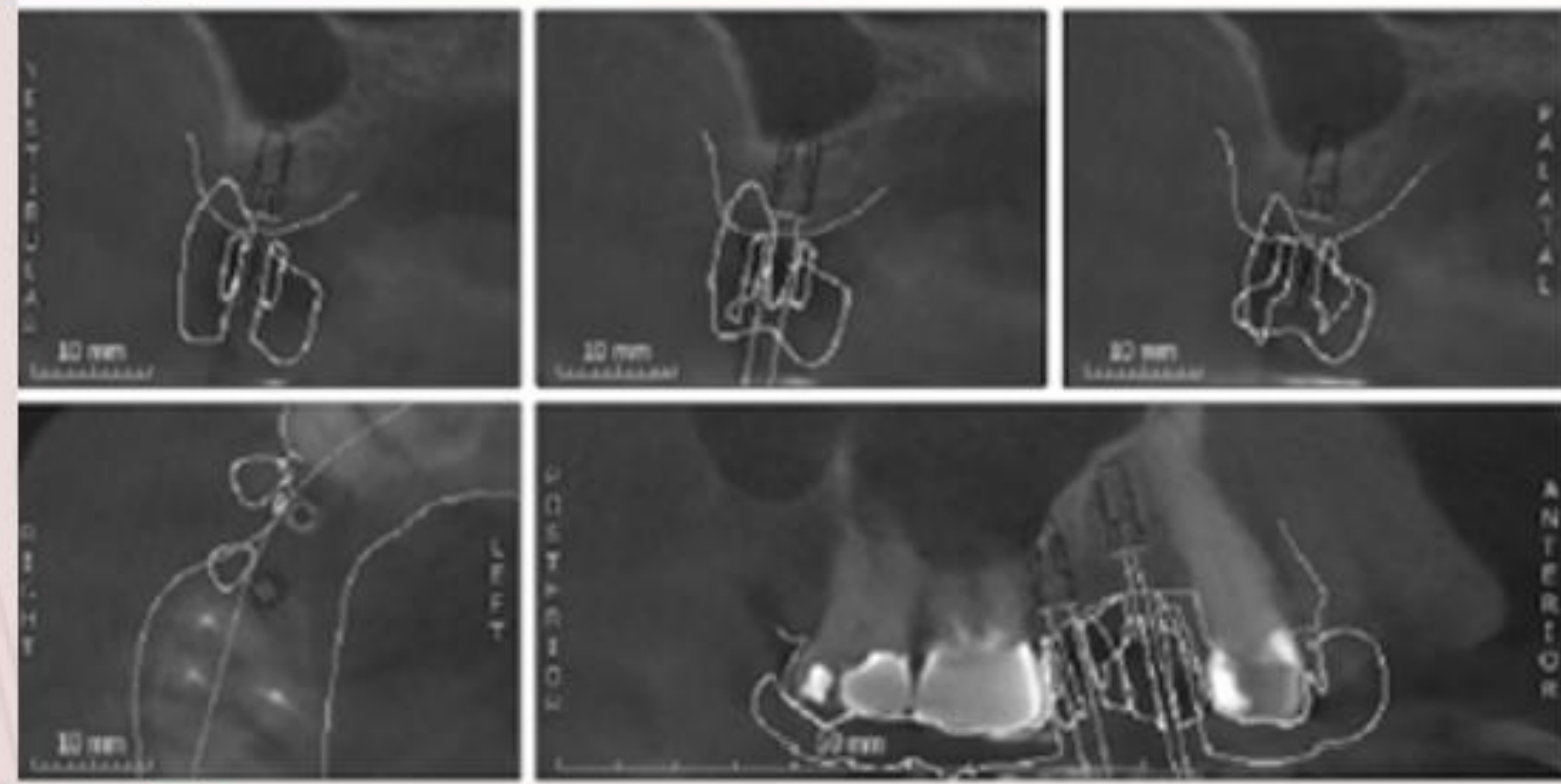
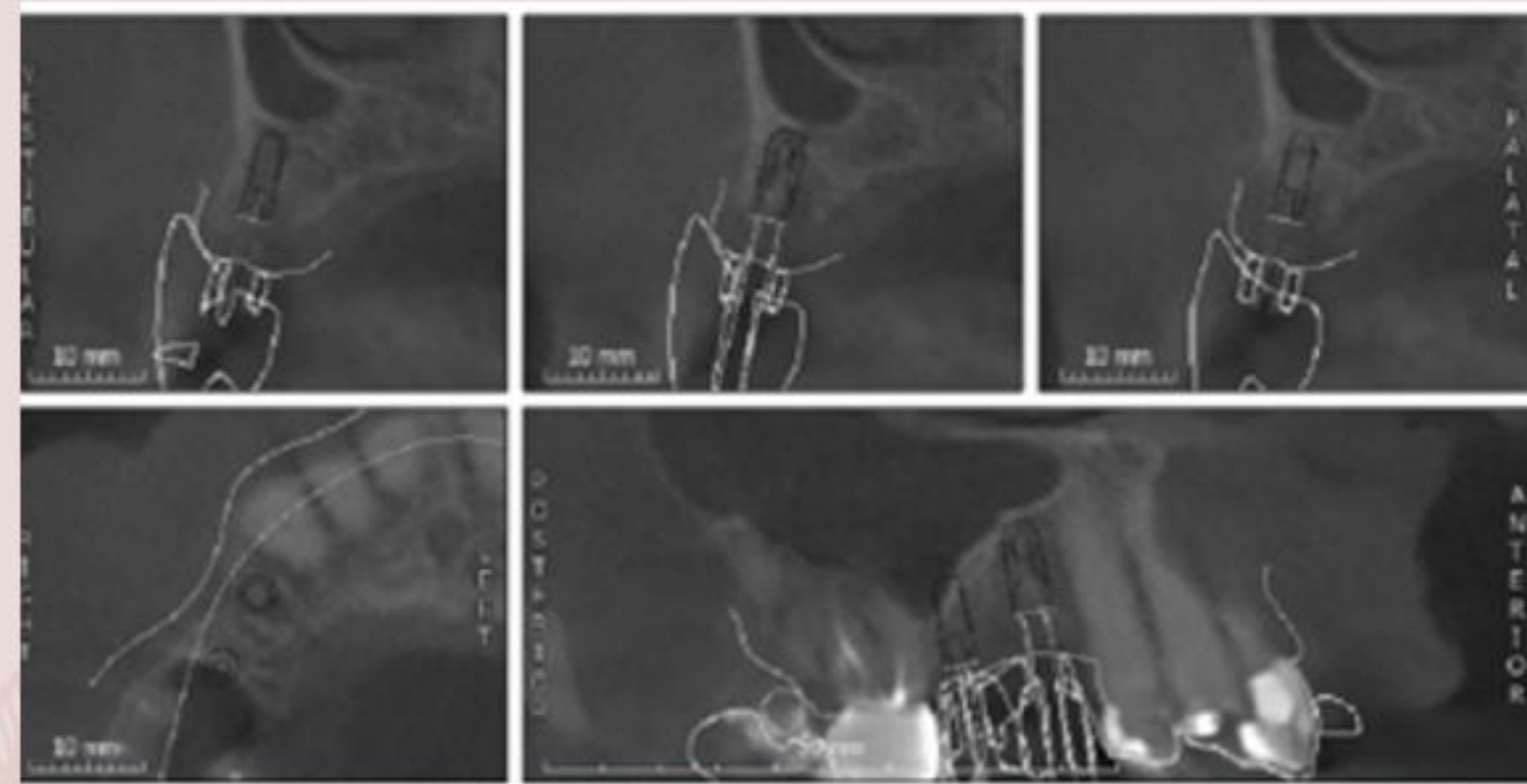
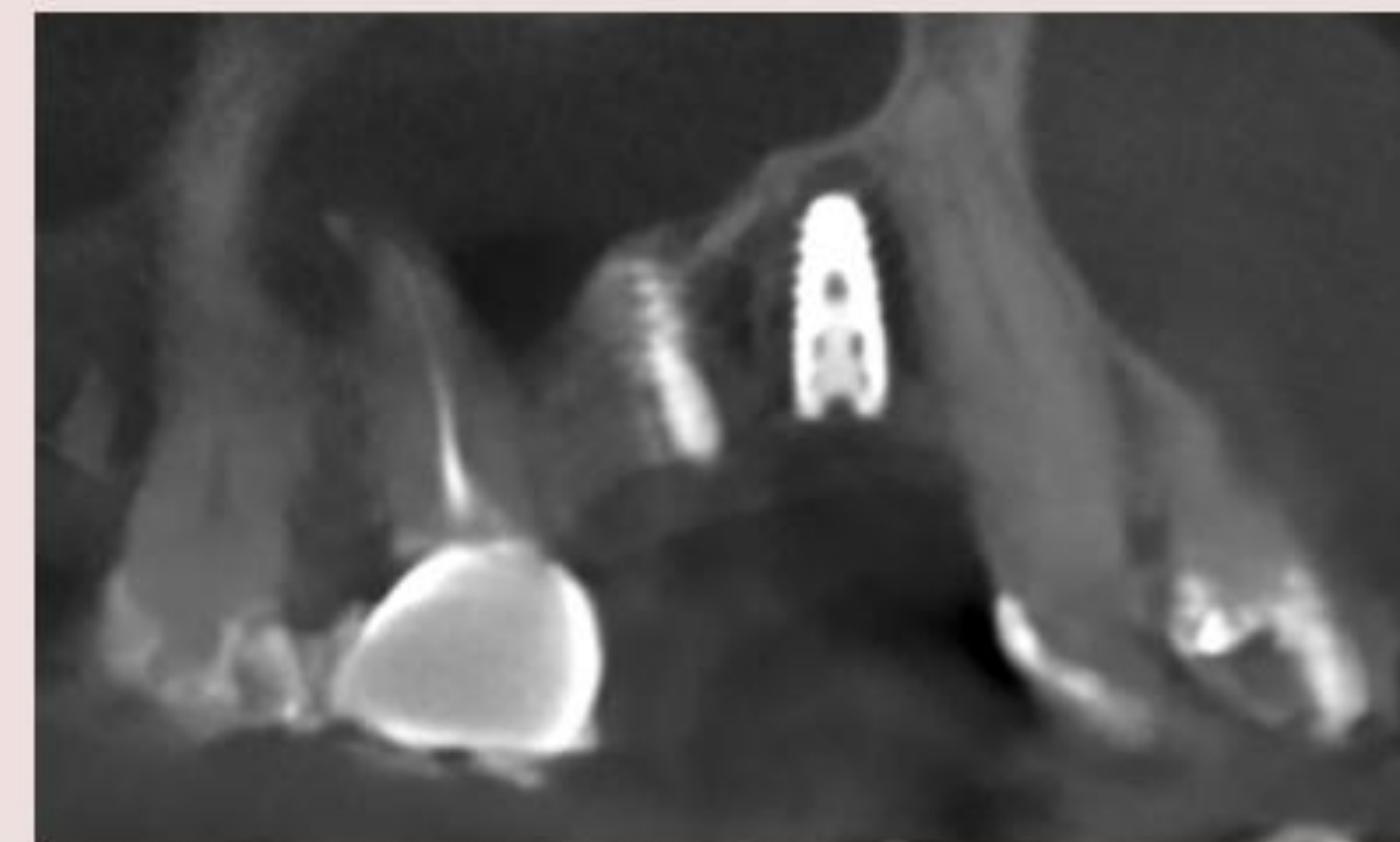
CASE 1 – Extraction and Immediate Implant Placement #8



CASE 2 – Extraction and Immediate Implant Placement #7, Implant Restorations 5-7



CASE 3 – Implants Placement and Restoration #4 and 5



CASE 4 – Implant Placement and Restoration #6

