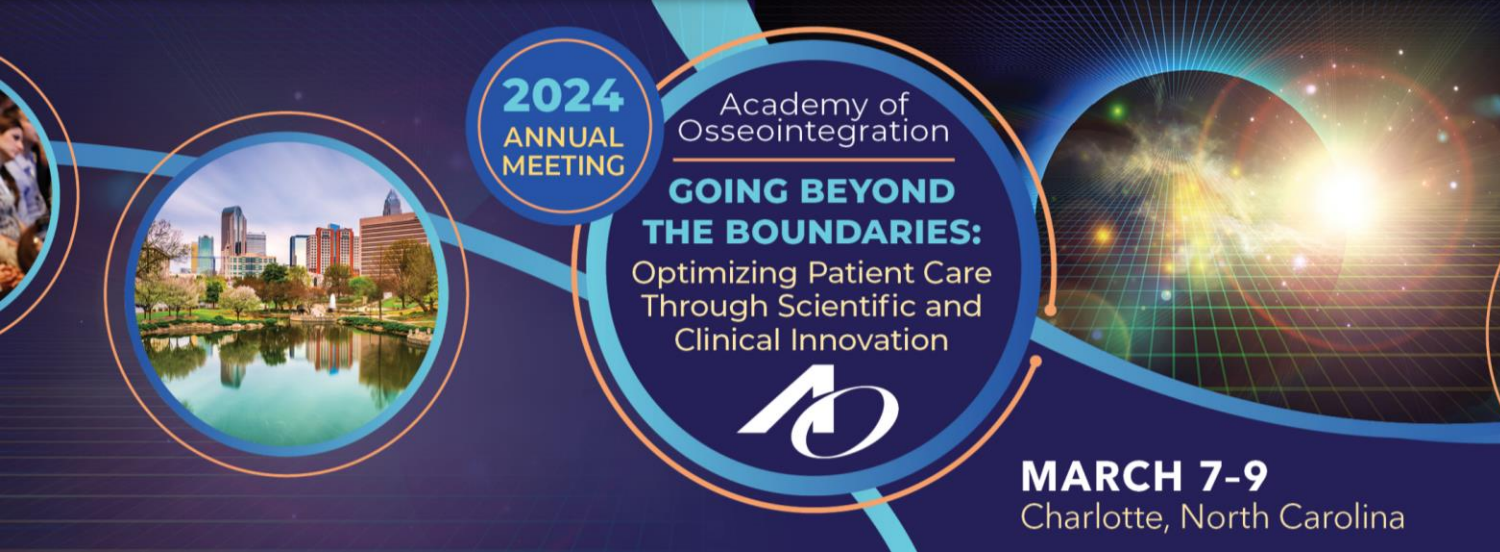




Case Series of Implant Treatment for Maxillary Impacted Canines

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Impacted maxillary canines pose unique challenges in dental treatment planning and management. This case series investigates the outcomes of implant treatment in six patients with impacted maxillary canines, ranging in age from 29 to 60 years, with four male and two female individuals included in the study. The primary objective was to evaluate the success and complications associated with implant-based rehabilitation in this patient group.

The cases spanned a treatment duration of 1 to 7 years, showcasing both successful and challenging scenarios. Notably, three cases had previously undergone failed orthodontic treatments in an attempt to reposition the impacted canines, highlighting the complexities of orthodontic management in such cases.

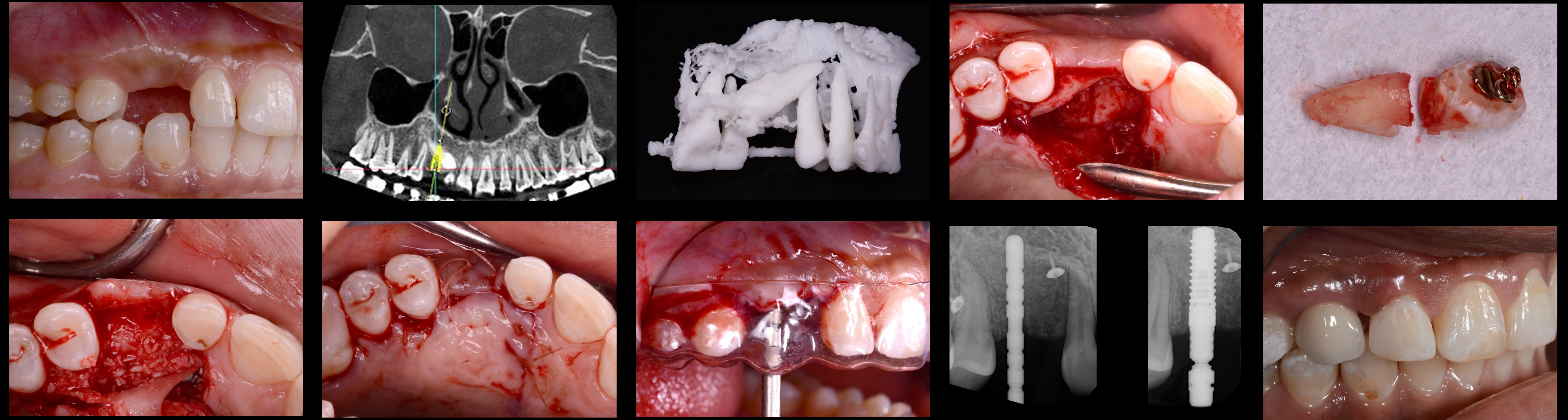
Two cases in the series involved implant placement through the roots of the impacted canines. This innovative approach was undertaken due to the unique anatomy and limitations presented by the impacted teeth. These cases

required meticulous surgical planning and execution to ensure implant stability and avoid damage to adjacent structures.

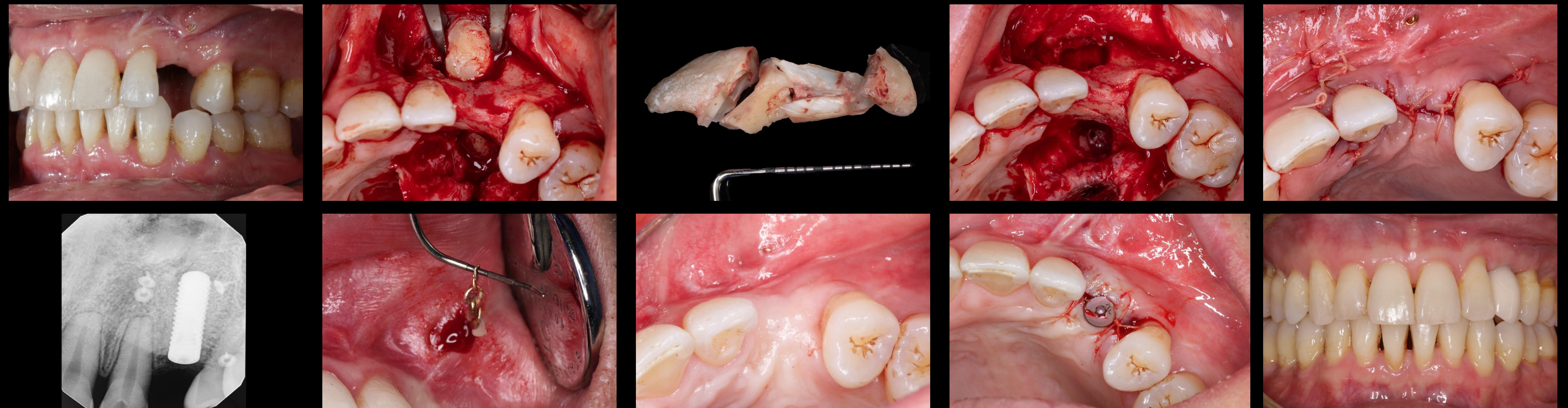
Conversely, in four cases, extraction of the impacted canines was performed as the initial step, followed by bone grafting to restore the deficient alveolar ridge, and subsequently, implant placement. This conventional approach allowed for predictable and stable implant placement, leading to successful outcomes.

The study's findings underscore the importance of careful patient selection, treatment planning, and a customized approach tailored to the specific challenges posed by impacted maxillary canines. The varying treatment modalities and outcomes presented in this case series provide valuable insights into the complexities and successes of implant-based rehabilitation in this unique patient population. Further research and larger-scale studies are needed to refine treatment protocols and enhance predictability in achieving favorable outcomes for impacted maxillary canines.

Case 1: Impacted canine #6, failed orthodontic forced eruption



Case 2: Impacted canine #11, failed orthodontic forced eruption



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