

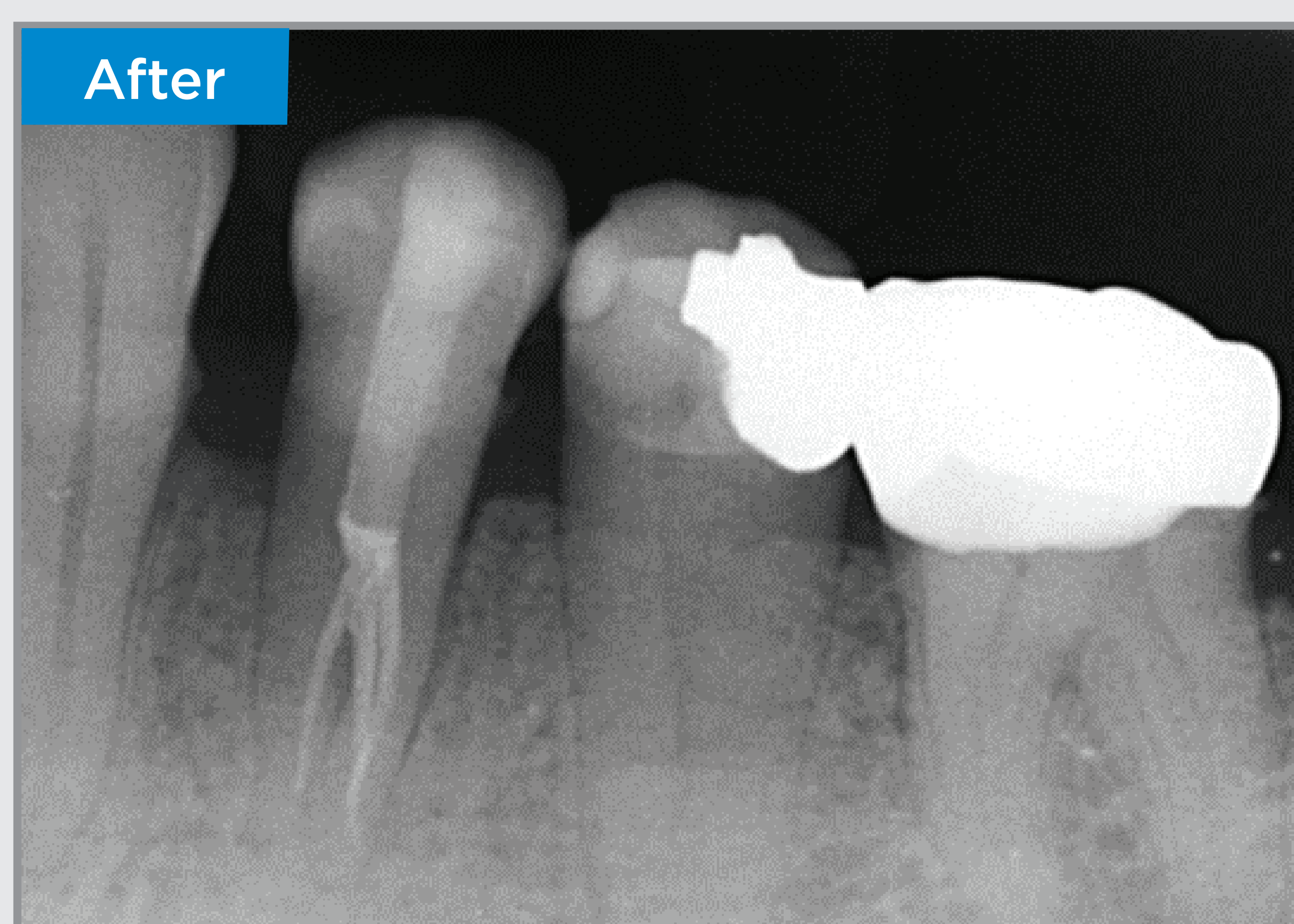
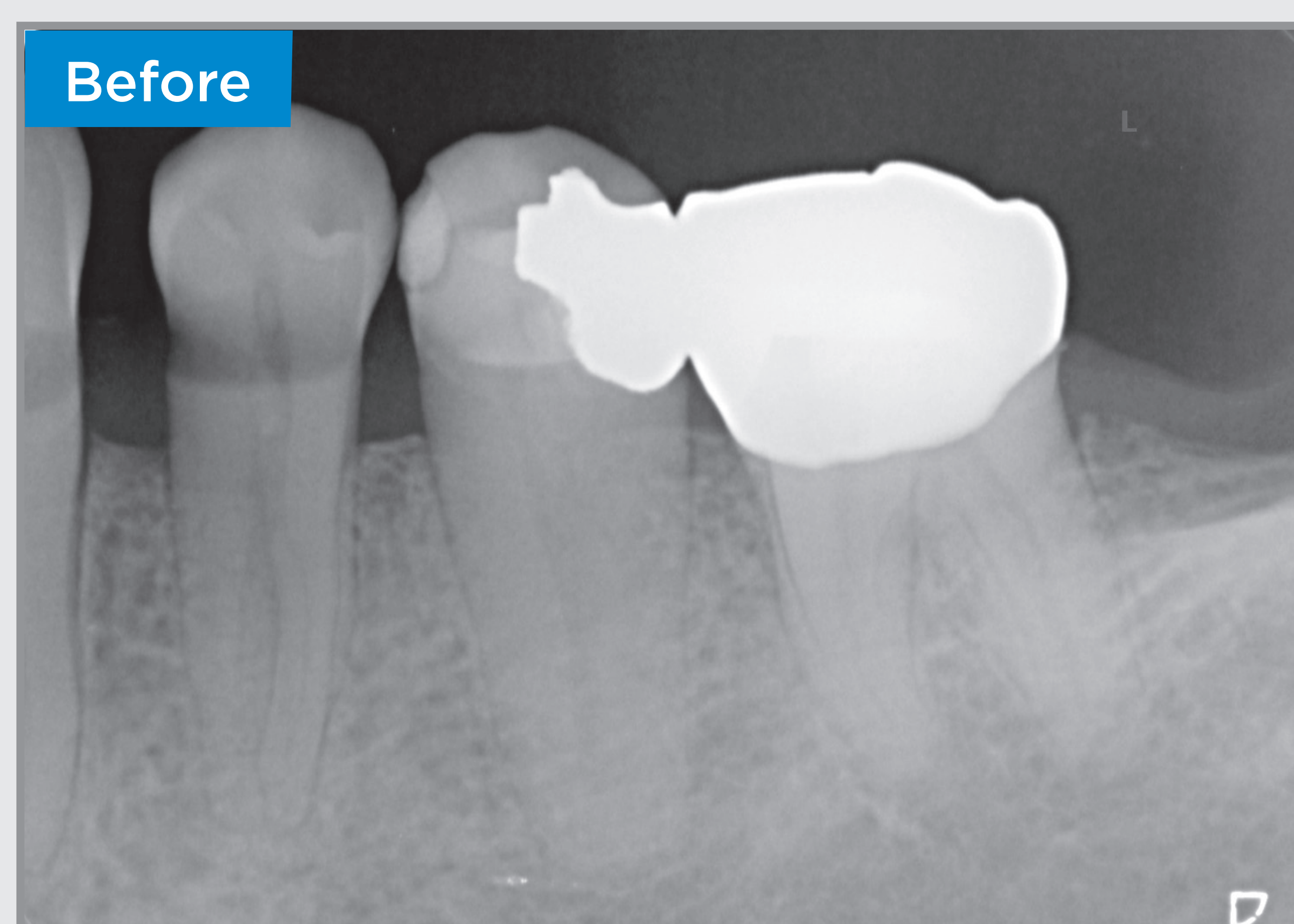
Clinical Case Spotlight

Conserving tooth structure through appropriate file selection

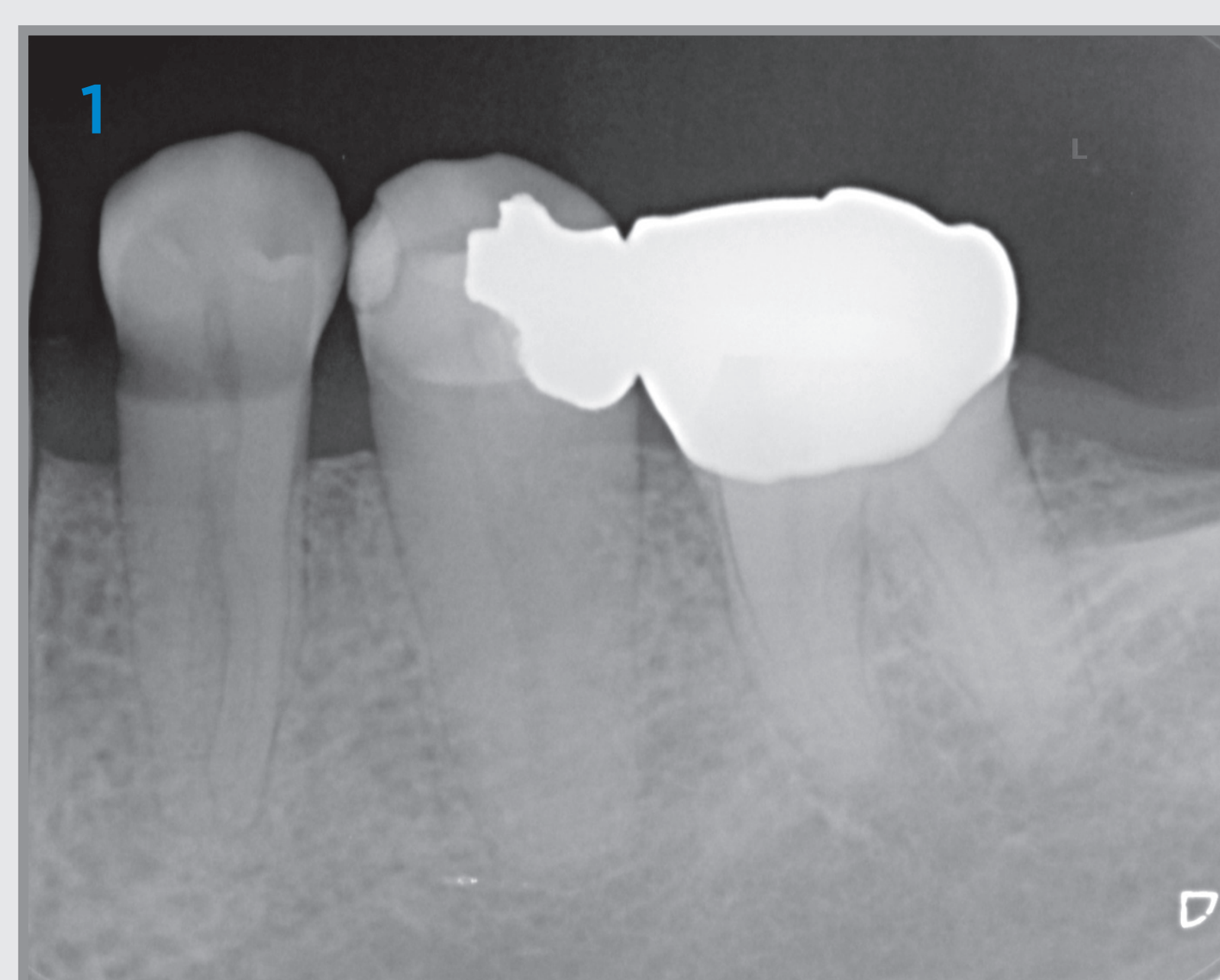
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Introduction to the case

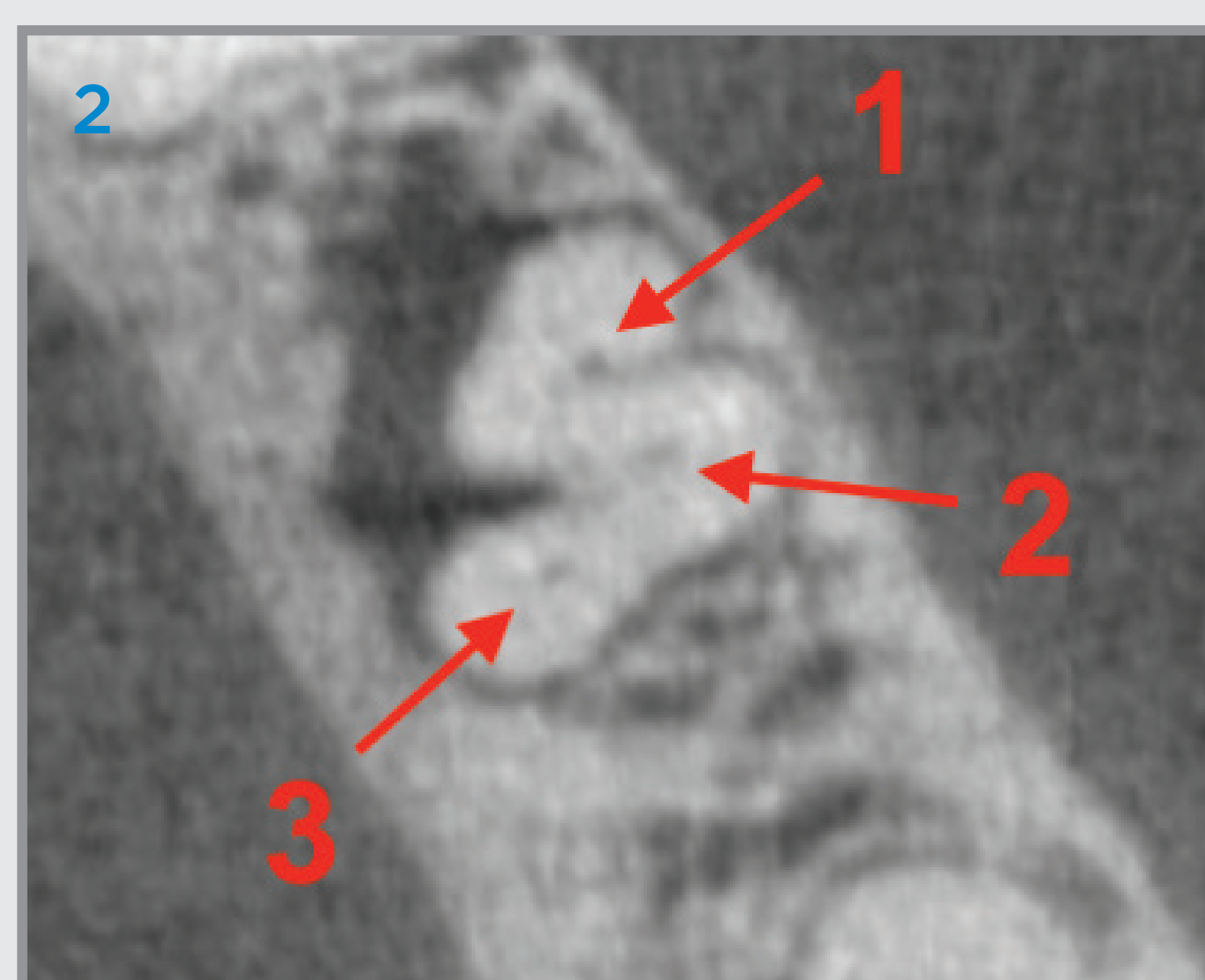
The patient presented with asymptomatic apical periodontitis on tooth 34. From the pre-op radiograph, tooth 34 was noted with two visible roots. However, a CBCT scan confirmed a three rooted premolar, and the canals divided into three at the mid root. A careful file selection is critical for this delicate tooth.



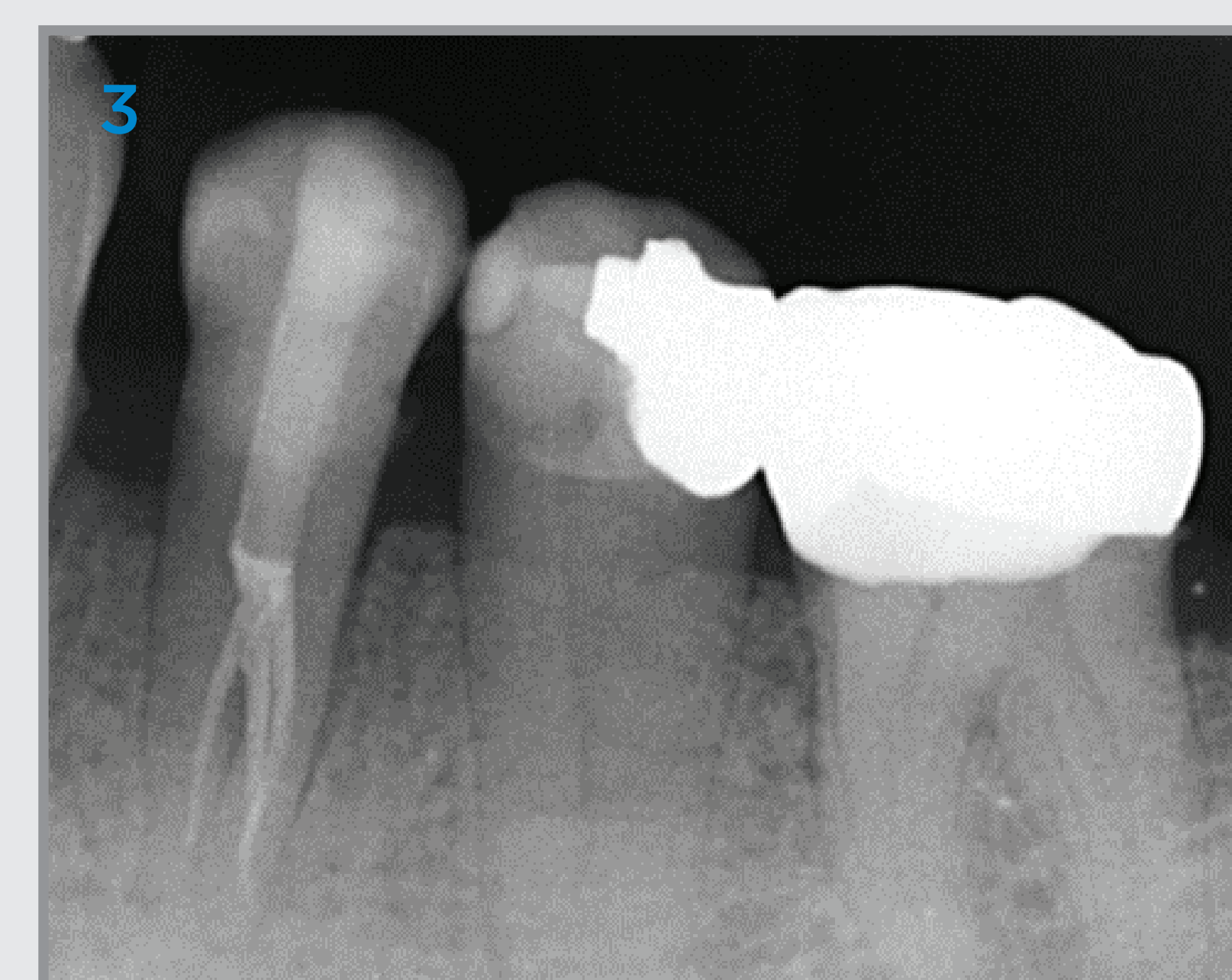
Treatment steps



Pre-op radiograph showed tooth 34 has multiple roots branch from the mid root.



The CBCT scan has confirmed three roots/canal premolar and radiolucency.



Conservative Endo Cavity (CES) was prepared, three canals were negotiated, glide path established. All three canals were prepared with TruNatomy Small.

Material and Method

TruNatomy Small file preparation and GP coated with AH Plus. Coronal seal with GIC filling material using extension tip and cement in the access cavity.

Discussion and Conclusion

Using TruNatomy Small allows preservation of the root structure. However, the insertion of the GP points at the obturation can be a challenge.