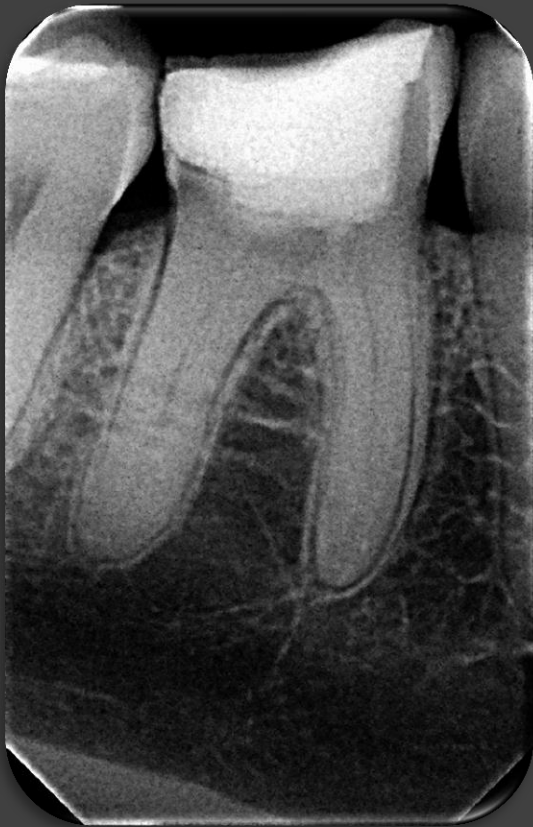


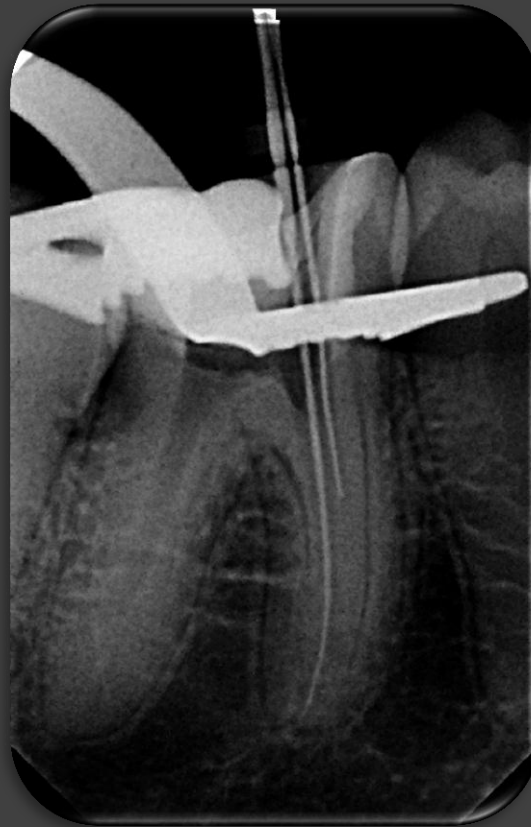
Endodontic treatment of tooth #46
with calcified mesial root canals.
CBCT guided decision making on
treating the ML root canal

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Female patient, 20 y.o. referred for endodontic treatment of **tooth 46** because her dentist couldn't locate the root canals. Extensive **calcification** of the pulp chamber and the coronal part of the canals was found. Despite the use of U/S under high magnification the **ML rc** was impossible to negotiate...



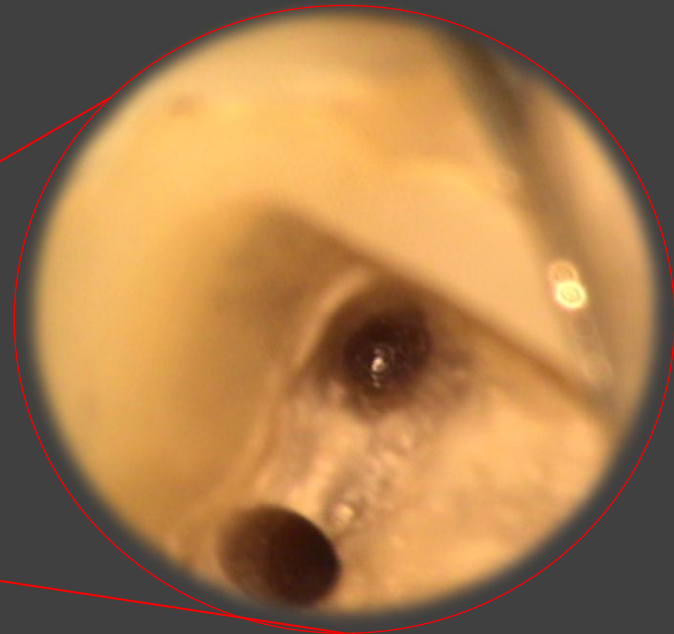
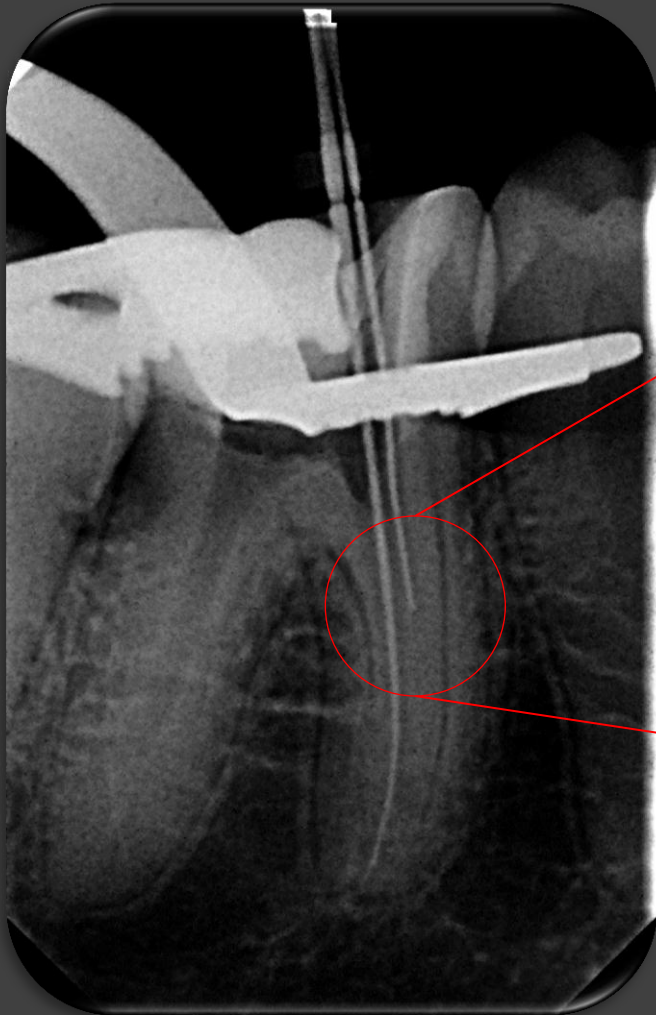
Pre-op x-ray

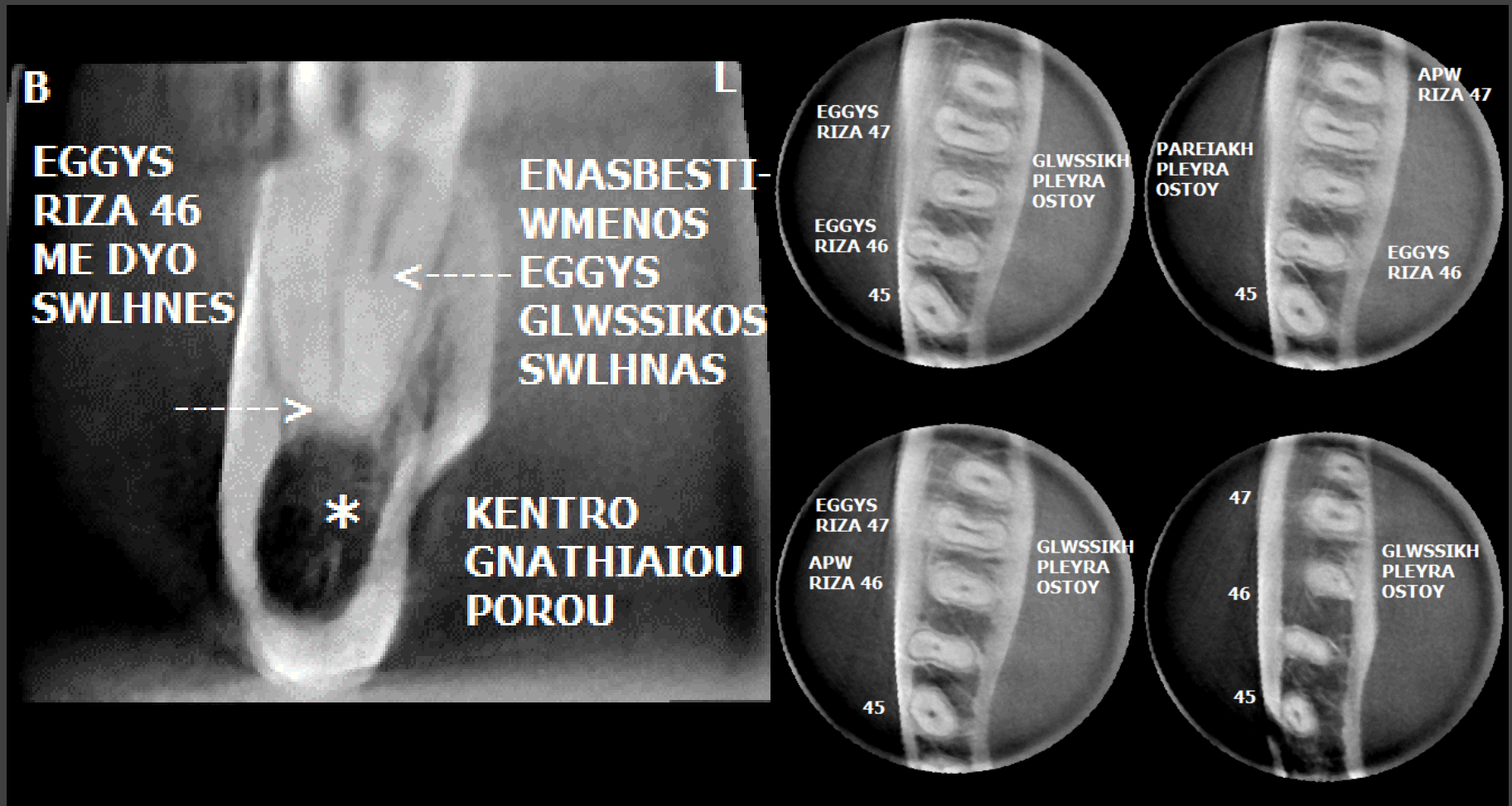


Working length x-rays



Try to go deeper in the canal with U/S?

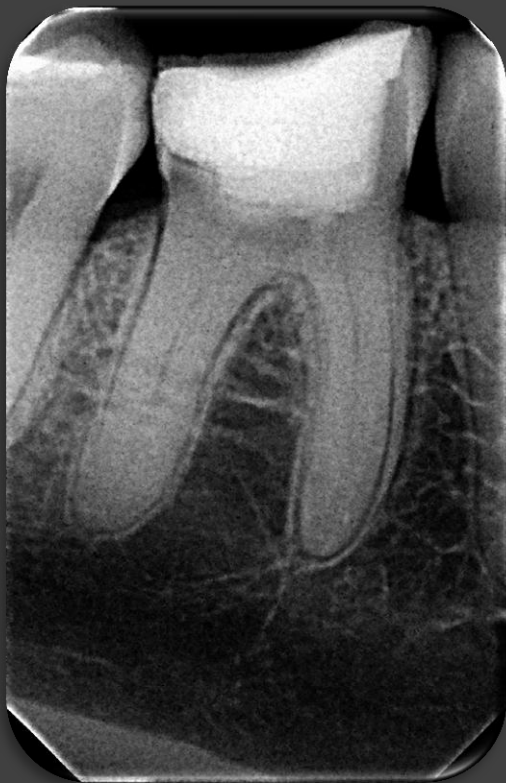




CBCT images clearly show that the mesial root canals have one single foramen and that the ML RC is severely calcified.



The final decision was **not to try to negotiate** the remaining part of the root canal and the patient was sent back to the dentist for the final restoration. The factors that led to this decision were: **1.** the vital pre-op status of the pulp, **2.** the possibility of an iatrogenic perforation and **3.** the fact that the mesial root has Vertucci's type II configuration.



Pre-op x-ray



Master cone x-ray



Post-op x-ray