EXPLORING COPPER SULFIDE PENETRATION IN MANDIBULAR ANTERIOR TEETH

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OBJECTIVE: Providing valuable insights into intricate root canal treatments and assessing the effectiveness of electrophoresis when combined with Cupral[®] and a finely dispersed $Ca(OH)_2$ paste. Additionally, we aimed to examine the copper sulfide penetration process in intact mandibular anterior teeth during electrophoresis and offer insights into its distribution patterns and effects within dental tissues through macroscopic and histological analysis.



CONCLUSIONS: Observing histologically how copper sulfide permeates the root canal system, can pave the way for innovative techniques and materials that enhance the success of endodontic treatments and reduce their failure rate.