

## Recent Advances in Root Canal Therpay : Potential applications in clinical practice

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### Abstract

The past couple of decades have witnessed one of the most rapid and extensive technological evolutions in dentistry. This period has presented some remarkable developments of endodontic technologies. The current presentation is aimed to concisely review some of these advances pertinent to endodontic imaging, root canal preparation, root canal disinfection and root filling materials. A root canal is the naturally occurring space within a tooth that consists of the pulp chamber, the main canal(s) and the more intricate anatomical branches that may connect it to each other or to the surface of the root. Root canal treatment not only corrects the damaged tooth but also restores the aesthetics, phonetics and function of the tooth. Proper treatment should be done to avoid any complications and to make tooth appear more natural. Contemporary endodontic has seen an unprecedented advance in technology and materials. This presentation aimed to highlight some of the challenges and advances under following sections: 1) Root canal preparation, (2) Root canal disinfection, (3) Root canal filling materials, and (4) regenerative endodontic procedures (REPs). Jointly, these advances are aimed at improving the state of the art and science of advanced root canal treatment.

### Introduction:

The past couple of decades have witnessed one of the most rapid and extensive technological evolutions in dentistry. This period has presented some remarkable developments of endodontic technologies. The current article is aimed to concisely review some of these advances pertinent to endodontic imaging, root canal preparation, root canal disinfection, root filling, and regenerative endodontic procedures (REPs).

### Conclusion:

Recent advances in root canal disinfection using new technology

and on the basis of recent studies may improve the ability to disinfect the root canal system. However, conventional methods are still helpful for obtaining good prognosis.