

technical procedures - such as the increase in apical preparation and a more effective system of irrigation delivery and activation of irrigant - can promote and make more predictable the reduction of intracanal bacteria, especially in complex anatomical and not instrumented areas of the root canal system.

Resumo

A irrigação do canal radicular é coadjuvante na desinfecção e remoção de debris, contribuindo para o sucesso do tratamento endodôntico. Este artigo apresenta uma visão geral das tecnologias atuais indicadas para melhorar a limpeza e desbridamento do canal radicular.

Foi realizado um levantamento bibliográfico eletrônico no site Pubmed utilizando palavras-chave específicas ao tema a fim de abordar literatura relevante. Após busca eletrônica, artigos completos foram revisados e os mais apropriados ao tema foram incluídos nesta revisão. Diferentes sistemas de ativação mecânica foram considerados: agitação manual com cone de guta-percha, instrumentos e escovas endodônticas, sistemas de vibração ativados por peças manuais em baixa rotação ou por energia sônica e subsônica, ultrassom, laser, assim como sistemas de irrigação que utilizam pressão apical negativa. Além disso, esta revisão descreve outros meios indicados para ampliar a descontaminação endodôntica por meio de agentes químicos como ozônio e desinfecção por meio de luz. A ativação ultrassônica do hipoclorito de sódio ainda permanece o padrão ouro e nos estudos é usada como controle na comparação aos demais sistemas que empregam agitação mecânica. A presente revisão mostra vantagens de diversos sistema de irrigação e associações entre eles, podendo aumentar a efetividade da irrigação endodôntica.

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