BÖLÜM 6

ENDODONTİK İRRİGASYONDA BİTKİSEL AJANLAR: ANTİMİKROBİYAL ETKİNLİKLER VE KLİNİK POTANSİYEL

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Kök kanal tedavisinin temel amacı, pulpa boşluğunda yer alan vital ya da nekrotik dokular ile mikroorganizmaların etkin bir şekilde elimine edilmesidir(1). Bu süreçte, kök kanallarının şekillendirilmesi ve temizlenmesi amacıyla çeşitli endodontik enstrümanlardan yararlanılmaktadır. Ancak, kök kanal sisteminin karmaşık morfolojisi ve bazı anatomik bölgelerin aletlerle erişilemez oluşu, mekanik temizlik işleminin tek başına yeterli olmasını engellemektedir. Bu nedenle, kimyasal ajanların da dâhil edildiği kemo mekanik temizlik zorunlu hâle gelmiştir. İrrigasyon işlemi, kök kanalında bulunan mikroorganizmaların ve sert ya da yumuşak doku kalıntılarının fiziksel ve kimyasal yollarla uzaklaştırılmasını hedeflemektedir(2). İrrigasyon için yıllardır birçok farklı solüsyon kullanılmıştır. Bu solüsyonlarda istenilen özellikler şunlardır;

- Yüksek antimikrobiyal özelliğe sahip olmalı
- Toksik olmamalı
- Anafilaktik şoka neden olmamalı
- Smear tabakasının oluşumunu engellemeli
- Periapikal dokularla biyouyumlu olmalı
- Nekrotik dokuları çözebilmeli
- Hoş bir tada ve kokuya sahip olmalı
- Düşük maliyetli olmalı
- Düşük yüzey gerilimine sahip olmalı

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