BÖLÜM 1

ADEZİV REZİNLERDEKİ GÜNCEL GELİŞMELER

Halime ÇETİNER [1]
Hacer BALKAYA [2]
Sezer DEMİRBUĞA [3]

GİRİŞ

Dişlerin restorasyonu; çürüğün temizlenmesi, mine ve dentinin asitle pürüzlendirilmesi, adeziv rezin uygulanması ve nihayetinde kompozit rezin kullanılarak dişlerin form, fonksiyon ve estetik olarak yeniden şekillendirilmesini içermektedir (1). Kompozit rezin, doğrudan diş yüzeyine yapıştırılamayacak kadar yüksek viskoziteli bir materyaldir; bu nedenle diş yüzeylerine bağlanabilmesi için daha düşük viskoziteli bir adeziv rezin kullanılması gerekmektedir (1).

Adeziv rezin içeriğindeki bağlanma ajanları, diş dokularıyla hibritleşerek mikro-mekanik bir kenetlenme oluşturur ve açıkta kalan kollajen fibril iskeletine yayılır. Adeziv rezinin, asitle pürüzlendirilmiş dentine sızması ve demineralize dentin kolajenine infiltrasyonu "hibridizasyon" olarak tanımlanmakta; bu süreç sonucunda oluşan yapıya ise "hibrit tabaka" denilmektedir (2). Bu kavram, ilk kez 1982 yılında Nakabayashi ve ark. tarafından tanıtılmıştır (2). Günümüzde hibrit tabakanın, ideal rezin-dentin bağlantısı için temel bağlanma mekanizması olduğu geniş çapta kabul edilmektedir (3,4).

İdeal hibrit tabakanın oluşması için demineralize dentin kolajeninin tamamen adeziv rezin ile kaplanmış olması istenirken, bu yapının in vivo koşullarda elde edilmesi genellikle mümkün değildir (5,6). Bu başarısızlığın, kısmi adeziv rezin infiltrasyon derinliği ile demineralize dentin kolajen derinliği arasındaki tutarsız-

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DOI: 10.37609/akya.3816.c742

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