

Bölüm 7

GEÇMİŞTEN GÜNÜMÜZE DENTAL ADEZİV SİSTEMLER

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GİRİŞ

Günümüzde kompozit rezinler diş çürüğünün tedavisinde en çok kullanılan materyallerdendir (1). Kompozit rezinler rezin-diş dokusu ara yüzünde diş yapılarına etkili bir şekilde bağlanmayı sağlayan adeziv rezin uygulaması gerektirirler.

Adeziv sistemler, elli yıldan fazla bir süre önce tanıtılmıştır ve tanıtılmasından bu yana hızla gelişmektedir. Adeziv sistemler için asıl zorluk farklı yapıdaki iki sert dokuya eşit derecede etkili bağlanmayı sağlamaktır. Mine dokusuna bağlanmanın uzun ömürlü olduğu kanıtlanmıştır. Ancak dentin dokusuna bağlanma daha karmaşıktır. Buna ek olarak zaman alıcı ve kompleks uygulama prosedürlerini içermektedir. Bu nedenle mevcut adeziv sistemler teknik hassasiyet gerektirirler. Klinik uygulama prosedüründeki en küçük hata erken marjinal bozulma ya da bağlanmanın kopması ile sonuçlanabilir. Bu nedenle klinisyenlerin, adeziv sistemlerin kullanımının daha kolay ve basit olması yönündeki taleplerinin artması sebebiyle yeni adeziv sistemler hızla geliştirilmektedir (2). Üretici firmalar buradan yola çıkarak “üniversal adezivler” adı altında yeni bir adeziv sistem geliştirmiş ve tüm dental işlemlerde kullanılabileceğini iddia etmişlerdir.

Dental adeziv sistemler, rezin-diş dokusu arasında etkileşimi sağlayan rezin monomerlerdir (3). Adeziv sistemler hem hidrofilik hemde hem de hidrofobik grupları olan monomerlerden oluşmaktadır. Bunlardan ilki diş sert dokularının ıslanabilme özelliğini arttırırken, ikincisi de restoratif materyal ile ko-polimerizasyona ve etkileşime izin verir (4). Adeziv rezinler kimyasal içerik olarak başlatıcılar, inhibitörler veya stabilizatörler, solventler ve bazı durumlarda inorganik doldurucular içerirler (4).

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likte mineye olan bağlanma, asidik monomer tarafından sağlanan hidroksiapatite kimyasal olarak bağlanmayı tamamlayacak kuvvetli bir mikro mekanik bağlanma için hala asitle pürüzlendirmeyi gerektirebilir.

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