

BÖLÜM 4

ÇOCUKLARDA ERKEN DÖNEMDE ŞEFFAF PLAK TEDAVİLERİ

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GİRİŞ

Dişlerin uygunsuz dizilimi ve anormal kraniyofasiyal ilişkiler olarak tanımlanan maloklüzyon, küresel ölçekte önemli bir ağız sağlığı sorunu olarak kabul edilmektedir (1). Erken teşhis ve zamanında müdahale, kalıcı dişlerin sürmesine rehberlik etmede, dengeli kraniyofasiyal büyümeyi desteklemede ve ergenlik veya yetişkin dönemde kapsamlı ortodontik tedavi ihtiyacını azaltmada kritik bir rol oynar.

Son yıllarda, şeffaf plaklar geleneksel sabit ve hareketli apareylere modern bir alternatif olarak ortaya çıkmıştır. Bu çıkarılabilir termoplastik apareyler estetik, konfor ve dijital hassasiyeti bir araya getirerek, çocuklar ve ebeveynleri için yeni bir tedavi yaklaşımı sunar.

Şeffaf plakların erken dönemde kullanımı, özellikle sürme rehberliği, çapraşıklığın düzeltilmesi ve transversal uyumsuzlukların minimal invaziv yöntemlerle yönetilebildiği karma dişlenme döneminde hızla yaygınlaşmaktadır. Ayrıca, 3 boyutlu görüntüleme, bilgisayar destekli tasarım / bilgisayar destekli imalat (Computer-Aided Design / Computer-Aided Manufacturing, CAD/CAM) ve yapay zekâ destekli tedavi planlaması gibi dijital teknolojilerin entegrasyonu, şeffaf plak tedavisinin öngörülebilirliğini ve tekrarlanabilirliğini desteklemektedir. Bu bölüm, çocuklarda erken dönem şeffaf plak kullanımına genel bir bakış sunmayı, klinik uygulamalarına, avantajlarına ve sınırlamalarına ve bu apareylerin pediatrik ortodontik bakıma modern bir yaklaşım olarak gelişen rolüne odaklanmayı amaçlamaktadır.

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olduğu unutulmamalıdır. Uygun vaka seçimi ve düzenli kontrollerle şeffaf plak tedavisi, çocuklarda yalnızca fonksiyonel ve estetik iyileşme sağlamakla kalmaz, aynı zamanda psikososyal açıdan da önemli yararlar sunar. Bu yönleriyle, erken dönemde şeffaf plak uygulamaları çocuk ortodontisinde modern, güvenilir ve etkili bir tedavi alternatifi olarak değerlendirilmektedir.

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