

## Bölüm 9

# İNTRAOSSEÖZ VE İNTRATEKAL UYGULAMALAR

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### İNTRAOSSEÖZ UYGULAMALAR

Bu ilaç verme yöntemi, ilacın doğrudan kemik iliğine infüzyonunu içerir. İntraosseöz (IO) infüzyon, intravenöz (IV) erişimin zor olduğu durumlarda vasküler erişim için bir alternatif olarak kullanılır <sup>(1-5)</sup>. Genellikle bebeklerde, yeni yürümeye başlayan çocuklarda ve intravasküler erişimin sağlanamadığı hastalarda kullanılmaktadır. Vasküler kollaps durumunda IV erişim neredeyse imkânsız hale gelmektedir. Acil bir durumda IV erişim sağlanamadığında kullanılan alternatif bir ilaç uygulama yoludur <sup>(1)</sup>. Özellikle pediatrik kardiyο-respiratuar arrestlerde ilk erişimin sağlandığı yararlı bir uygulamadır. Hipovolemik şok veya kalp durması gibi acil durumlarda kritik hastalığı olan çocuklarda vasküler kollaps meydana gelebilir. Vasküler kollaps durumunda IV erişim neredeyse imkânsız hale gelmektedir <sup>(1-3,5)</sup>. Bu nedenle IO infüzyon, pediatrik kardiyοpulmoner resüsitasyon (CPR) kılavuzlarında önemli bir teknik olarak önerilmektedir<sup>(3)</sup>. İntraosseöz infüzyon, intravenöz erişimin sağlanamadığı hastalarda yararlı bir uygulama yoludur.

IO infüzyon, acil müdahale gerektiren durumlarda periferik intravenöz kateter en az üç kez denenip takılamadığında, tercih edilen hızlı ve güvenilir ilaç uygulama yollarından birisidir<sup>(5-10)</sup>. Uygulamada, ilik boşluğuna ulaşılan kadar genellikle lateral tibial shaftta özel olarak tasarlanmış bir iğne yerleştirilir. Bu yol, ilaç absorpsiyon hızı için intravenöz yola eşdeğer kabul edilir ve çoğu ilaç bu yolla verilebilir<sup>(2)</sup>. IO infüzyon ile belirli kemiklerin spongios kısımlarından iğne ile girilerek kemik içine ilaç, sıvı, kan ve kan ürünleri verilebilir. Özellikle kardiyak arrest ve şok durumunda damarlardaki daralma nedeniyle periferik

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