

# BÖLÜM 3

## NÖRAL KÖK HÜCRELER VE NÖRODEJENERATİF HASTALIKLARDA KULLANIMI

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### **NÖRAL KÖK HÜCRELER VE NÖRODEJENERATİF HASTALIKLARDA KÖK HÜCRE UYGULAMALARI**

Çağlar boyunca insanoğlunun en önemli hedefi sağlığı bozan, ölüme neden olan hastalıklara çare bulmak olmuştur. Zaman zaman bitkilerden derman aranmış, hastalıkların tedavisinde hazırlanan karışımlar kullanılmıştır. En büyük amaç ise insanoğluna ölümsüzlüğü sağlayacak ilacı bulmak olmuştur. Günümüze kadar insanoğlunun bilinçaltında yatan bu büyük isteği tıp biliminin lokomotifi olarak görmemiz yanlış olmaz. Günümüzde tıp biliminde yaşanan en büyük gelişmelerden birisi de şüphesiz ki “Kök Hücrelerin” tedavi edici gücünün keşfi olmuştur. Pek çok hastalığın temelinde yatan hücresel bozulmaların tamiri amacıyla hücrelerin yenilenebilmesi ve bu güce de kök hücrelerin sahip olması araştırmacıları bu alanda araştırma yapmaya itmiştir.

Kök hücre araştırmaları konusunda bugüne kadar ulaşılan nokta gelecek için büyük umut vadetmektedir. Kök hücrelerin, hasar gören doku ve organların yenilenmesi amacıyla kullanımı önemli bir konu olarak gündemi işgal etmektedir. Sinir biliminde kök hücrelerin kullanımına ilişkin çalışmalar gözden geçirildiğinde, santral sinir sistemi ve çevresel sinir sistemi hastalıklarında son zamanlarda gelişen kök hücre kültürleri ve potansiyel rolünün araştırılması büyük ilgi uyandırmaktadır. İnsan

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