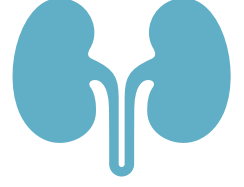


# Bölüm 2c

## Böbrek Kanserinde Mikrodalga Ablasyon



Mehmet Yiğit YALÇIN<sup>1</sup>  
Erdem KISA<sup>2</sup>

### GİRİŞ

Küçük renal kitlelerin (KRK) tedavisinde termal ablasyon kullanılan perkütan yaklaşım giderek daha baskın hale gelmektedir (1-4). Tümör ablasyonu, kitlenin eradikasyon veya önemli tümör yıkımı sağlamak için bir tümöre termal veya termal olmayan (elektriksel, kimyasal) tedavilerin doğrudan uygulanması olarak tanımlanır.

Radyofrekans ablasyon (RFA) veya kriyoablasyon (KA) gibi geleneksel ablatif teknikler tümör boyutu 3-4 cm'den büyük oldukça etkinlikleri sınırlı hale gelmektedir. Bu konuda yeni ablatif teknik olan mikro dalga ablasyon (MDA) öne çıkmaktadır (5-9). Ancak çalışmalar, MDA'nın uygulanabilirliğini ve etkinliğini göstermiş olsa da Avrupa Üroloji kılavuzu MDA'yı hala deneysel bir tedavi yöntemi olarak kabul etmektedir (10).

**Mikro Dalga Ablasyon:** Mikro dalga ablasyonu (MDA), en az 900 MHz frekanslı cihazlar kullanarak tümör yıkımını başlatmak için tüm elektromanyetik yöntemlerin kullanılması anlamına gelir. MDA, RFA'nın birçok faydasını sunar ve tümörlerin tedavisinde etkinliğini artırabilecek başka teorik avantajlara sahiptir. Mikrodalga teknolojisinin potansiyel faydaları arasında tutarlı bir şekilde daha yüksek intratümöral sıcaklıklar, daha büyük tümör ablasyon hacimleri, daha hızlı

<sup>1</sup> Op. Dr., Şanlıurfa Eğitim ve Araştırma Hastanesi, Üroloji Kliniği, Şanlıurfa yigityalcin@hotmail.com

<sup>2</sup> Doç. Dr., İzmir SBÜ Tepecik Eğitim ve Araştırma Hastanesi, Üroloji Kliniği, İzmir derdemkisa@hotmail.com

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