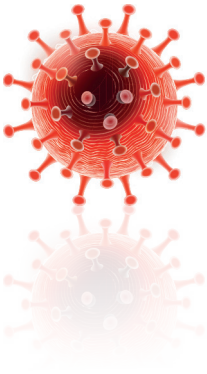

28. Bölüm

COVID-19 ve Radyoloji

Yıldız KILAR SÖZEL[1]

GİRİŞ

Koronavirüs hastalığı-2019 (COVID-19), bir koronavirüs suşu olan şiddetli akut solunum sendromu koronavirüs 2'nin (SARS-CoV-2) neden olduğu bulaşıcı bir hastalıktır (1–3). Küresel olarak yayılmadan önce ilk vakalar Aralık 2019›da Çin›in Wuhan kentinde görüldü. Mevcut salgın, 11 Mart 2020›de Dünya Sağlık Örgütü (WHO) tarafından resmen bir pandemi olarak kabul edildi.

COVID-19 etkeni SARS-CoV-2 tanısı için altın standart boğaz sürüntüsünde bakılan gerçek zamanlı polimeraz zincir reaksiyonu (RT-PCR) testidir. Özellikle hastalığın erken döneminde veya viral yük düşük olduğunda nazofarengeal sürüntü RT-PCR testleri negatif olabilir ve bu dönemde bilgisayarlı tomografi (BT), COVID-19 tanısında önemli bir rol oynar (4). Fang ve arkadaşlarının çalışmasında BT'nin COVID-19 tanısında duyarlılığı %98 saptanırken, altın standart tanı testi olan RT-PCR'nin erken dönemde duyarlılığı %71 olarak saptanmıştır (5). RT-PCR testi COVID-19 tanısı için altın standart olmasına rağmen, akciğer grafisi ve BT, pnömoninin tanı, takip ve evrelemesinde önemli bir role sahiptir (6–9). Akciğer grafisi ve toraks BT COVID-19 için görüntülemede en sık kullanılan radyolojik yöntemlerdir. Toraks ultrasonografisi de bazı merkezlerde tanı ve takip amacıyla kullanılmıştır.

Spesifik olmayan görüntüleme bulguları en sık atipik veya organize pnömonidir, ve bulgular tipik olarak bilateral, periferal ve bazal ağırlıklı dağılım gösterir.

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Bir çalışma, CO-RADS'nin altın standart olarak RT-PCR kullanarak COVID-19 teşhisi için hassas ve spesifik olduğunu buldu (69).

COVID-RADS

Nisan 2020'de, Güney Kaliforniya Üniversitesi'ndeki Amerikalı radyologlar, CO-RADS ile benzer bir ada sahip olan COVID-19 görüntüleme raporlama ve veri sistemini (COVID-RADS) önerdiler (60).

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