BÖLÜM 9

ENDODONTİ EĞİTİMİNDE YAPAY ZEKÂ VE DİJİTAL TEKNOLOJİLERİN ROLÜ

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Endodonti, diş pulpası ve periapikal dokuların sağlığını koruma ve tedavi etme açısından temel bir klinik disiplindir. Pulpanın korunması, dişin fonksiyonel olarak ağızda tutulabilmesini sağlayarak bireyin yaşam kalitesini doğrudan etkiler . Bu nedenle endodonti, hem diş hekimliği eğitiminin hem de meslek içi gelişim süreçlerinin vazgeçilmez bir parçası olmuştur(1).

Son yıllarda sağlık alanında yaşanan dijital dönüşüm, diş hekimliği gibi multidisipliner uygulama gerektiren klinik branşlarda çarpıcı bir ivme kazanmıştır. Bu dönüşümün en önemli bileşenlerinden biri, yapay zekâ (YZ) (1) teknolojilerinin klinik karar destek sistemlerine entegre edilmesidir. Tıp ve diş hekimliğinde tanı, tedavi planlaması ve uygulama süreçlerinde giderek artan bir şekilde kullanılan YZ algoritmaları; hızlı, güvenilir ve standartlaştırılmış veri analizleriyle hekimlerin karar süreçlerini desteklemektedir(2).

Geleneksel olarak endodontik eğitim, temel bilgi aktarımı, simülasyonlarla klinik beceri gelişimi ve doğrudan hasta uygulamalarıyla sürdürülmektedir (3). Ancak son yıllarda eğitimde dijitalleşme, hibrit yaklaşımlar ve yapay zekâ destekli teknolojiler gibi yenilikçi araçlar, öğretim süreçlerini önemli ölçüde dönüştürmektedir (4).

Bu eğitimsel çerçevenin ötesinde, özellikle pandemi sonrası dijital dönüşümün hız kazanmasıyla birlikte, YZ tabanlı sohbet robotları ön plana çıkmaktadır. Bu

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DOI: 10.37609/akya.3813.c708

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