7. Bölüm

ALT EKSTREMİTE İSKEMİ REPERFÜZYON MODELİ

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7.1. Alt Ekstremite Fizyolojisi

Alt ekstremite arterleri, abdominal aortun trifurkasyonundan ortak ilyaklara ve median sakral artere, dördüncü lomber vertebral gövdenin anterior ve soluna doğru ortak iliak arter orijinlerinden başlar (1). Ortak iliak arterler, iç ve dış iliak arterlere ayrılır. Dış iliak arter, ortak femoral arter olarak alt ekstremitelerde devam eder. İnguinal ligamanın üstündeki arter, eksternal iliak arter olarak bilinir ve altında ana femoral arter bulunur. Ana femoral arter, bifürkasyonundan önce yüzeyel epigastrik arter, eksternal pudendal arter ve yüzeyel sirkumfleks arter olmak üzere küçük dallar verir (2). Ana femoral arter, profunda femoris arter olarak da bilinen yüzeyel ve derin femoral artere çatallanır. Profunda femoris medial ve lateral sirkumfleks femoral arterlere ve uyluk kasına perforan dallar verir (2). Yüzeyel femoral arter, hunter kanalı olarak da bilinen addüktör kanalı boyunca uyluğun medial tarafı boyunca devam eder. Yüzeyel femoral arter addüktör kanalından çıkar, popliteal fossa bölgesinde addüktör hiatustan çıktıktan sonra popliteal arter adını alarak femurun alt ucunun arkasından seyreder (2). Yüzeyel femoral arter, addüktör hiatus öncesinde dizi besleyen ve aynı zamanda

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7.6. Alt Ekstremite İskemi Reperfüzyon Modellerinin Avantaj/Dezavantajları

Model	**Avantajları**	**Dezavantajları**
Fare	Üretimi ve transferi kolay Bakımı kolay Düşük maliyet Etik onay için uygun Sakrifikasyonu kolay Genetik çeşitlilik fazla	Kompleks prosedürler zor Kas dokusu daha az
Sıçan	Üretimi ve transferi kolay Bakımı kolay Düşük maliyet Etik onay için uygun Sakrifikasyonu kolay Kas dokusu fareye göre daha fazla	Genetik çeşitlilik fareye göre daha az
Tavşan	Üretimi ve transferi kolay Bakımı kolay Düşük maliyet Kompleks, yeni modeler denemeye daha elverişli	Basit iskemi oluşturmak için büyük bir model Etik onay alması zor Sakrifikasyonu sıçan ve fareye göre zor
Domuz		Üretim ve bakımı zor Transferi ve bakımı zor Maliyet yüksek Etik onay zor Sakrifikasyonu zor

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