

Bölüm 18

PERİTONEAL ENDOMETRİOZİS İNFLAMATUAR BİR HASTALIKTIR

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Endometriozis tedavisinin etkinliğini optimize etmek amacıyla gelecek tedavilerin farklı hedeflere yönelmesi gerektiğine inanıyoruz. Endometriozisle ilişkili inflamasyonda olası patolojik yolların tanımlanması, özellikle makrofaj disfonksiyonun ve peritoneal demir yollarının bilinmesi, diğer inflamatuvar patolojilerde olduğu gibi, bu hastalığın tedavisinde önemli kanıtlar sunabilir. İnflamasyon ve demirin etyolojideki rollerini ayrıntılarıyla kaleme alan bu yazı Jacques Donnez'in çalışma grubundaki "Jean-Christophe Lousse et al. Peritoneal endometriosis is an inflammatory disease [Frontiers in Bioscience E4, 23-40, January 1, 2012]" isimli derlemenin çevirisidir. **Editorial**

Özet

Peritoneal endometriozis artmış miktarda peritoneal makrofaj ve bunların salgı ürünleri ile karakterize kronik inflamatuvar bir hastalıktır. İnflamasyon endometrizis ile ilişkili ağrı ve infertilitede major rolü oynar, ama peritoneal lezyon gelişimine yol açan moleküler olaylar zincirinde büyük ölçüde rol alır. Günümüzde peritoneal oksidatif stresin endometrizis ile ilişkili inflamatuvar cevapta major kurucu faktör olduğu düşünülmektedir. Endometriozisde peritoneal makrofajları demir yüklenmesinin uyardığı nitrik oksid aşırı salınımına neden olmaktadır. Peritoneal oksidatif stress, endometrial hücrelerin makrofajlar tarafından bozulmuş klirensine neden

olur. Bu durum peritoneal endometrial hücrelerin gelişimi ile sonuçlanır. Peritoneal demir artışından, retrograde menstruasyondaki kan ile ektopik endometrium içeren lezyonların kanamasından kaynaklandığı gösterilmiştir. Retrograd menstruasyon süresince hem ve demir gibi pro-oksidanların peritoneal akımına sekonder reaktif oksijen ürünlerinin aşırı salınımı, nükleer kapp B aktivasyonu yoluyla artmış hücre hasara ve artmış proinflatuar gen ekspresyonuna yol açabilir. Özellikle, prostoglandin biosentetik enzim ekspresyonu bu transkripsiyonel faktör ile düzenlenir, ve endometriziste artmış peritoneal prostoglandin düzeyleri gösterilmiştir. Hem hastaların biyopsisinden elde edilen verilerin hemde in vitro ve in vivo çalışmaların ışığı altında, endometriozis patogeneğinde demir, nükleer faktör kapp ve prostoglandinlerin kendilerinin ve potansiyel etkileşimleri araştırıldı ve tartışıldı. Peritoneal makrofajların anahtar rolü vurgulanarak, potansiyel terapötik hedefler araştırıldı.

Giriş

Endometriozis, üreme çağındaki kadınların yaklaşık %10'unu etkileyen ağrı ve infertilite ile ilişkili olan sık görülen benign jinekolojik rahatsızlıktır (1). Endometrial dokunun uterin kavite dışında özellikle pelvik periton bazende overler ve rektovajinal septumda olması ile karakterizedir (2). En sık tanı alan jinekolojik hastalıklardan olmasına

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