

2.1.f. Mezenter Arter

2.1.f.1. Arter Patolojilerinin Medikal Tedavi Seçenekleri (Mezenter Arter)

Çiğdem TEL ÜSTÜNİŞK¹

Giriş

Mezenter iskemi, çölyak, superior ve inferior mezenterik arterlerde farklı nedenlerle gelişen patolojilere bağlı ince bağırsakta metabolik ihtiyacın karşılanamaması ve buna bağlı oluşan iskemik tabloyu ifade etmektedir (1). Sebep olan temel patolojiler arteriyel emboli ve tromboz, mezenterik venöz tromboz, tıkalıcı olmayan nedenler, düşük kalp debisine bağlı hipoperfüzyon veya mezenterik arteriyel vazokonstrüksiyon ve dıştan bası sonucu iskemi gelişmesi olarak sayılabilir (2). Bağırsak hasarı mezenterik kan akışındaki azalmaya orantılı olarak geri dönüşümlü iskemi, transmural infarkt, nekroz ya da perforasyon şeklinde görülebilir (3). Hastalarda en sık görünen semptom karın ağrısı olup, ağrı fizik muayene ile uyumsuzluk gösterebilmektedir (1). Mezenterik dolaşımın etkilenme süresi, şiddeti, kollateral dolaşımın yeterliliği, iskemik durumun süresi ağrının karakterini belirler (4). Fizik muayenede erken dönemde bulgular genellikle spesifik olmasa da klinik şüpheyeyle erken tanı konulması ve tedavinin organizasyonu hayat kurtarıcidır.

Mezenter iskemi 1000 hastaneye yatiştan 1'inden daha azını oluşturan karın ağrısının nadir bir nedeni olmasına rağmen, yanlış veya gecikmiş bir tanı catastrofik komplikasyonlara neden olabilir; bağırsak nekrozu, sepsis ve ölüm

¹ Uzm. Dr., İstanbul Üniversitesi-Cerrahpaşa, Cerrahpaşa Tıp Fakültesi, Kalp ve Damar Cerrahisi AD., cigdem.telustunistik@iuc.edu.tr

Kaynaklar

1. Björck M, Koelemay M, Acosta S, et al. Editor's Choice – Management of the Diseases of Mesenteric Arteries and Veins: Clinical Practice Guidelines of the European Society of Vascular Surgery (ESVS). *European Journal of Vascular and Endovascular Surgery*. 2017;53(4): 460–510.
2. Bobadilla JL. Mesenteric ischemia. *The Surgical Clinics of North America*. 2013;93(4): 925–940, ix.
3. Van den Heijkant TC, Aerts BAC, Teijink JA, et al. Challenges in diagnosing mesenteric ischemia. *World Journal of Gastroenterology*. 2013;19(9): 1338–1341.
4. Terlouw LG, Moelker A, Abrahamsen J, et al. European guidelines on chronic mesenteric ischaemia – joint United European Gastroenterology, European Association for Gastroenterology, Endoscopy and Nutrition, European Society of Gastrointestinal and Abdominal Radiology, Netherlands Association of Hepatogastroenterologists, Hellenic Society of Gastroenterology, Cardiovascular and Interventional Radiological Society of Europe, and Dutch Mesenteric Ischemia Study group clinical guidelines on the diagnosis and treatment of patients with chronic mesenteric ischaemia. *United European Gastroenterology Journal*. SAGE Publications; 2020;8(4): 371–395.
5. Clair DG, Beach JM. Mesenteric Ischemia. *New England Journal of Medicine*. Massachusetts Medical Society; 2016;374(10): 959–968.
6. Kassahun WT, Schulz T, Richter O, et al. Unchanged high mortality rates from acute occlusive intestinal ischemia: six year review. *Langenbeck's Archives of Surgery*. 2008;393(2): 163–171.
7. Bala M, Kashuk J, Moore EE, et al. Acute mesenteric ischemia: guidelines of the World Society of Emergency Surgery. *World journal of emergency surgery: WJES*. 2017;12: 38.
8. Bozkurt AK, Akay HT, Çalkavur İT, et al. National guidelines on the management of venous thromboembolism: Joint guideline of the Turkish Society of Cardiovascular Surgery, National Society of Vascular and Endovascular Surgery, and Phlebology Society. *Turk Gögüs Kalp Damar Cerrahisi Dergisi*. 2021;29(4): 562–576.
9. Klar E, Rahaman PB, Bücker A, et al. Acute Mesenteric Ischemia: a Vascular Emergency. *Deutsches Ärzteblatt International*. 2012;109(14): 249–256.
10. Ärzteblatt DÄG Redaktion Deutsches. *Prognose des Mesenterialinfarkts: Ist eine Verbesserung möglich?*. (Online) Deutsches Ärzteblatt. <https://www.aerzteblatt.de/archiv/30632/Prognose-des-Mesenterialinfarkts-Ist-eine-Verbesserung-moeglich>
11. Tilsed JVT, Casamassima A, Kurihara H, et al. ESTES guidelines: acute mesenteric ischaemia. *European Journal of Trauma and Emergency Surgery*. 2016;42: 253–270.
12. Mastoraki A, Mastoraki S, Tziava E, et al. Mesenteric ischemia: Pathogenesis and challenging diagnostic and therapeutic modalities. *World Journal of Gastrointestinal Pathophysiology*. 2016;7(1): 125–130.
13. Pecoraro F, Rancic Z, Lachat M, et al. Chronic mesenteric ischemia: critical review and guidelines for management. *Annals of Vascular Surgery*. 2013;27(1): 113–122.
14. Björnsson S, Resch T, Acosta S. Symptomatic mesenteric atherosclerotic disease-lessons learned from the diagnostic workup. *Journal of Gastrointestinal Surgery: Official Journal of the Society for Surgery of the Alimentary Tract*. 2013;17(5): 973–980.
15. Takiguchi T, Nakajima M, Ohbe H, et al. Vasodilator Therapy and Mortality in Nonocclusive Mesenteric Ischemia: A Nationwide Observational Study. *Critical Care Medicine*. 2020;48(5): e356.

16. Filsoufi F, Rahmanian PB, Castillo JG, et al. Predictors and outcome of gastrointestinal complications in patients undergoing cardiac surgery. *Annals of Surgery*. 2007;246(2): 323–329.
17. Klotz S, Vestring T, Rötker J, et al. Diagnosis and treatment of nonocclusive mesenteric ischemia after open heart surgery. *The Annals of Thoracic Surgery*. 2001;72(5): 1583–1586.
18. Mensink PBF, Moons LMG, Kuipers EJ. Chronic gastrointestinal ischaemia: shifting paradigms. *Gut*. 2011;60(5): 722–737.
19. Mitsuyoshi A, Obama K, Shinkura N, et al. Survival in Nonocclusive Mesenteric Ischemia: Early Diagnosis by Multidetector Row Computed Tomography and Early Treatment With Continuous Intravenous High-dose Prostaglandin E: 1. *Annals of Surgery*. 2007;246(2): 229–235.
20. Berland T, Oldenburg WA. Acute mesenteric ischemia. *Current Gastroenterology Reports*. 2008;10(3): 341–346.
21. Russell CE, Wadhera RK, Piazza G. Mesenteric venous thrombosis. *Circulation*. 2015;131(18): 1599–1603.
22. Harnik IG, Brandt LJ. Mesenteric venous thrombosis. *Vascular Medicine (London, England)*. 2010;15(5): 407–418.
23. McCUNE WS, Keshishian JM, Blades BB. Mesenteric thrombosis following blunt abdominal trauma. *Annals of Surgery*. 1952;135(5): 606–614.
24. Singal AK, Kamath PS, Tefferi A. Mesenteric venous thrombosis. *Mayo Clinic Proceedings*. 2013;88(3): 285–294.
25. Kumar S, Sarr MG, Kamath PS. Mesenteric venous thrombosis. *The New England Journal of Medicine*. 2001;345(23): 1683–1688.
26. Condat B, Pessione F, Helene Denninger M, et al. Recent portal or mesenteric venous thrombosis: increased recognition and frequent recanalization on anticoagulant therapy. *Hepatology (Baltimore, Md.)*. 2000;32(3): 466–470.