

## Bölüm 18

# ÖZOFAGUS KAYNAKLI GÖĞÜS AĞRISI

**Enver AVCI<sup>19</sup>**

## GİRİŞ

Non kardiyak göğüs ağrısı(NKGA) iskemik kalp hastalığına bağlı ağrıdan ayırmayı bazen güç olan ve ayırım için bir dizi çalışma gerektiren tekrarlayan göğüs ağrısı olarak tanımlanır (1). Tekrarlayan göğüs ağrısı anlamlı şekilde yaşam kalitesini etkileyebilmekte ve sağlık tesislerinin devamlı kullanımını nedeniyle büyük bir ekonomik yük sebebi olabilmektedir (2).

NKGA etyolojisi için gerekli tetkikler öncesinde kardiyak nedenlerin mutlaka ekarte edilmiş olması gerekmektedir.

Hastanın öyküsü ve özellikleri kardiak yada nonkardiyak ağrıyı birbirinden ayırmada güvenilir değildir (3). Yinede NKGA olan hastalar daha genç ve bayan olma eğilimindedir ve yaşla birlikte prevelansı azalmaktadır (5). Özofagus kaynaklı göğüs ağrısı(ÖKGA) olan hastalar göğüs ağrısını substernal yanma ve sıkma olarak tarif edebilirler. Ağrı kalp kaynaklı olan ağrıdan ayırtılacak şekilde sırtta, boyuna, kollara ve çeneye yayılabilir (4-6).

ÖKGA en sık nedeni gastro-özofagial reflü hastalığı olup tahmini prevelans %30-60 arasındadır (7).GÖRH de PPI ile yüksek doz tedavi esastır. GÖRH dışı ÖKGA da özofageal dismotilité daha az rastlanan etyolojidir. Tedavide düz kas gevşeticiler, endoskopik olarak botulinum toksin enjeksiyonu yada peroral endoskopik myotomi ve cerrahi olarak Heller myotomi yapılabilir (8).Fonksiyonel göğüs ağrısı tanısı ÖKGA nedeni olabilecek tüm etyolojiler ekarte edildikten sonra Roma 4 kriterlerine göre konulur (9).

<sup>19</sup> Uzman Doktor, Bilecik Devlet Hastanesi Gastroenteroloji,enver.a.dr@gmail.com

**Tablo 3. Özofagus Kaynaklı Göğüs Ağrısında Tedavi**

**Hastalık İlaçlı tedavi İlaç dışı tedaviler**

**GÖRH PPİ Endoskopik Tedavi**

Antireflü Cerrahi

**Dismotilité Nitratlar POEM**

Kalsiyum kanal blk Botulinium Enj

Simetropium Cerrahi Miyotomi

İpratropium

Fosfodiesteraz inh

Benzodiazepinler

**Fonksiyonel Göğüs SSRI BDT**

**Ağrısı SNRI Hipnoterapi**

TcA Biofeedback

Teofilin

## KAYNAKLAR

1. Fass R, Achem SR. Noncardiac chest pain: epidemiology, natural course and pathogenesis. *J Neurogastroenterol Motil* 2011; 17:110–123.
2. Richter JE, Bradley LA, Castell DO. Esophageal chest pain: current controversies in pathogenesis, diagnosis, and therapy. *Ann Intern Med* 1989;110:66.
3. Jerlock M, Welin C, Rosengren A et al. Pain characteristics in patients with unexplained chest pain and patients with ischemic heart disease. *Eur J Cardiovasc Nurs* 2007;6:130-6.
4. Eslick G D. Usefulness of chest pain character and location as diagnostic indicators of an acute coronary syndrome. *Am J Cardiol* 2005; 95: 1228–31.
5. Nevens F, Janssens J, Piessens J, et al. Prospective study on prevalence of esophageal chest pain in patients referred on an elective basis to a cardiac unit for suspected myocardial ischemia. *Dig Dis Sci* 1991; 36:229–35.
6. Richter JE. Chest pain and gastroesophageal reflux disease. *J Clin Gastroenterol* 2000; 30: S39–41.
7. Park SH, Choi JY, Park EJ, et al. Prevalence of gastrointestinal diseases and treatment status in noncardiac chest pain patients. *Korean Circ J* 2015;45:469–472.
8. Yamasaki T, Fass R. Noncardiac chest pain: diagnosis and management. *Curr Opin Gastroenterol*. 2017 Jul;33(4):293-300.
9. Aziz Q, Fass R, Gyawali CP, et al. Functional esophageal disorders. *Gastroenterology* 2016; 150:1368–1379.
10. Glombiewski JA, Rief W, Bosner S, et al. The course of nonspecific chest pain in primary care:symptom persistence and health care usage. *Arch Intern Med* 2010; 170: 251–255.
11. Locke GR III, Talley NJ, Fett SL, Zinsmeister AR, Melton LJ III. Prevalence and clinical spectrum of gastroesophageal reflux: a population-based study in Olmsted County, Minnesota. *Gastroenterology*. 1997;112(5):1448-1456.
12. Eslick GD, Jones MP, Talley NJ. Non-cardiac chest pain: prevalence, risk factors, impact and consulting—a population-based study. *Aliment Pharmacol Ther*. 2003;17(9):1115-1124.
13. Kim JH, Rhee PL. Recent Advances in noncardiac chest pain in Korea. *Gut Liver*. 2012;6(1):1-9.9-(13).

14. Heinrich H,Sweis R. The role of oesophageal physiological testing in the assesment of noncardiac chest pain.The Adv Chronic Dis 2018;9(12):257-267.
15. Fass R, Achem R. Noncardiac chest pain:diagnostic evaluation.Disease of the Esophagus.2012;25:89-101.
16. Richter JE. Typical and atypical presantations of gastroesophageal reflux. The role of esophageal testing in diagnosis and management. Gastroenterol Clin North Am 1996;25:75.
17. Flook NW, Moayyedi P, Dent J, et al. Acidsuppressive therapy with esomeprazole for relief of unexplained chest pain in primary care: a randomized, double-blind, placebo-controlled trial. Am J Gastroenterol 2013; 108: 56-64.
18. Vardar R and Keskin M. What is the place of empirical proton pump inhibitor testing in the diagnosis of gastroesophageal reflux disease? (Description, duration, and dosage). Turk J Gastroenterol 2017; 28: S12-S15.
19. Katz P O, Dalton C B, Richter J E, et al. Esophageal testing of patients with noncardiac chest pain or dysphagia. Results of three years' experience with 1161 patients. Ann Intern Med 1987; 106: 593-7.
20. Dekel R, Pearson T, Wendel C et al. Assessment of oesophageal motor function in patients with dyspepsia or chest pain – the Clinical Outcomes Research Initiative experience. Aliment Pharmacol Ther 2003; 18:1083–9.
21. Min YW, Rhee PL. Esophageal hypersensitivity in noncardiac chest pain. Ann N Y Acad Sci 2016; 1380:27-32.
22. Peiris D.C, Tarbox J.A. Eosinophilic Esophagitis. JAMA 2019;321(14):1418.
23. Zografos G. N., Georgiadou D., Thomas D., et al. Drug-induced esophagitis. Diseases of the Esophagus. 2009;22(8):633–637.
24. Kim S. H., Jeong J. B., Kim J. W., et al. Clinical and endoscopic characteristics of drug-induced esophagitis. World Journal of Gastroenterology. 2014;20(31):10994–10999.
25. Abid S., Mumtaz K., Jafri W., et al. Pill-induced esophageal injury: endoscopic features and clinical outcomes. Endoscopy. 2005;37(8):740–744.
26. Alsomali MI, Arnold MA, Frankel WL, Graham RP, Hart PA, Lam-Himlin DM, Naini BV, Voggio L, Arnold CA. Challenges to “Classic” Esophageal Candidiasis: Looks Are Usually Deceiving. Am. J. Clin. Pathol. 2017 Jan 01;147(1):33-42.
27. Walsh TJ, Hamilton SR, Belitsos N. Esophageal candidiasis. Managing an increasingly prevalent infection. Postgrad Med. 1988 Aug;84(2):193-6, 201-5.
28. Pate JW,Walker WA,Cole FH et al. Spontaneous rupture of the esophagus a 30-year experience. Ann Thorac Surg. 1989;47-689.
29. Herbella FA, Matone J,Del Grande JC. Eponyms in esophageal surgery.part 2 .Dis Esophagus2005;18:4.
30. Wilson RF,Saryer EJ,Arbulu A et al. Spontaneous perforation of the esophagus .Ann Thorac Surg 1971;12-291.
31. Larsen K,Skov Jensen B,Axelsen F. Perforation and rupture of the esophagus. Scand J Thorac Cardiovasc Surg.1983;17:311.
32. Sengupta JN.An overview of esophageal sensory receptors. Am J Med 2000;108Suppl 4a:87S.
33. Maradey –Romero C,Fass R. New therapies for non-cardiac chest pain. Curr Gastroenterol Rep 2014;16:390.
34. Goldman L,Kirtane AJ.Triage of patients with acutechest pain and possible cardiac ischemia:the elusive search for diagnostic perfection.Ann Intern Med 2003;139:987.
35. Wertli MM,Ruchti KB,Steurer J, et al. Diagnostic indicators of non-cardiovascular chest pain a systemic review and meta-analysis.BMC Med.2013;8:11:239.
36. Achem SR,Almansa C,Krishna M,et al.Oesophageal eosinophilic infiltration in patients with noncardiac chest pain.Aliment Pharmacol Ther 2011;33:1194.
37. Eraslan E. Non Kardiyak Göğüs Ağrısı:Tanı ve Güncel Tedavi.Güncel Gastroenteroloji 2016;20/4: 455-61.

38. Castell DO,Katz PO.The acid suppression test for unexplained chest pain. Gastroenterology 1998;115:222.
39. Dekel R, Pearson T, Wendel C, et al. Assessment of oesophageal motor function in patients with dyspepsia or chest pain – the Clinical Outcomes Research Initiative experience. Aliment Pharmacol Ther 2003; 18:1083–9.
40. Richter J E, Dalton C B, Bradley L A, et al. O. Oral nifedipine in the treatment of noncardiac chest pain in patients with the nutcracker esophagus. Gastroenterology.1987; 93: 21–8.
41. Miller LS, Pullela SV, Parkman HP, et al. Treatment of chest pain in patients with noncardiac, nonreflux,nonachalasia spastic esophageal motor disorders using botulinum toxin injection into the gastroesophageal junction. Am J Gastroenterol 2002; 97:1640–6.
42. Vanuytsel T, Bisschops R, Farre R, et al. Botulinum Toxin Reduces Dysphagia in Patients With Nonachalasia Primary Esophageal Motility Disorders. Clin Gastroenterol Hepatol 2013; 11: 1115–21.
43. Irving JD, Owen WJ, Linsell J,et al. Management of diffuse esophageal spasm with balloon dilation. Gastrointest Radiol 1992 Summer; 17:189–92.
44. Sharata AM, Dunst CM, Pescarus R, et al. Peroral endoscopic myotomy (POEM) for esophageal primary motility disorders: analysis of 100 consecutive patients. J Gastrointest Surg 2015; 19: 161–70; discussion 70.
45. Hershcovali T, Achem SR, Jha LK, Fass R. Systematic review: the treatment of noncardiac chest pain. Aliment Pharmacol Ther 2012; 35:5–14.
46. Dickman R, Maradey-Romero C, Fass R. The role of pain modulators in esophageal disorders: no pain no gain. Neurogastroenterol Motil 2014; 26:603–610.
47. Varia I, Logue E, O'Connor C, et al. Randomized trial of sertraline in patients with unexplained chest pain of noncardiac origin. Am Heart J. 2000;140(3):367-372.
48. Lee H, Kim JH, Min BH, et al. Efficacy of venlafaxine for symptomatic relief in young adult patients with functional chest pain: a randomized, double-blind, placebo-controlled, crossover trial. Am J Gastroenterol. 2010;105(7):1504-1512.
49. Rao SS, Mudipalli RS, Mujica V, et al. An open-label trial of theophylline for functional chest pain. Dig Dis Sci. 2002;47(12):2763-2768.
50. Rao SS, Mudipalli RS, Remes-Troche JM,et al. Theophylline improves esophageal chest pain—a randomized, placebo-controlled study. Am J Gastroenterol 2007; 102: 930–8.
51. Schey R,Villareal A,Fass R.Noncardiac chest pain;current treatment. Gastroenterol Hepatol.2007;3(4):255-62.
52. Kim JH, Rhee PL.Recent advances in noncardiac chest pain in Korea.Gut Liver.2012;6(1):1-9.