

BÖLÜM 34

Bariatrik Cerrahi



Ahmet KÖDER¹

GİRİŞ

Obezite çok ciddi sağlık sorunlarına yol açmaktadır. Tüm dünyada sıklığı giderek artmaktadır. 2013 yılında Amerikan Tıp Derneği (AMA) obeziteyi kronik bir hastalık olarak sınıflandırmıştır. Dünya Sağlık Örgütü (WHO) aşırı kilo ve obeziteyi, aşırı yağ birikimi sonucu oluşan bir sağlık sorunu olarak tanımlamaktadır. Vücut kitle indeksi (VKI) kişinin ağırlığının boyunun karesine bölünmesiyle elde edilir. VKI 25 in üzerindeki kişiler fazla kilolu, 30 un üstündeki kişiler obez, 40 in üzerindeki kişiler de morbid obez olarak kabul edilir. Uyku apnesi, obezite ve diyabet ile güçlü bir şekilde ilişkilidir. Uyku apnesi pulmoner hipertansiyona ve sağ kalp hipertrofisine yol açabilir. Karın basıncının artması nedeniyle, obez hastalarda rezidüel hacim artar akciğer kompliyansı azalır. Obstrüktif uyku apnesi ve obezite hipoventilasyonu sendromu önemli morbiditeye neden olur ve ayrıca hem tıbbi açıdan hem de hastaneye yatış ve bakım giderleri açısından sağlık sistemine yüksek maliyetler oluşturur. Morbid obez kişiler diyabet, hipertansiyon, gastroözefagial reflü, uyku apnesi, kanser gibi hastalıklar açısından en yüksek risk gurubudur. Cerrahi prosedürler 1991 yılından beri morbid obez hastalar için tedavinin standart bir parçası olmuştur. Obezite prevelansının yıllar içerisinde ciddi şekilde artması ve cerrahideki gelişmeler obezitede cerrahi tedavinin payını artırmıştır. Bariatrik cerrahi morbid obezite de kanıtlanmış etkili bir tedavi yöntemidir. Geleneksel kilo verme yöntemlerinden (diyet ve egzersiz) kısa ve uzun vadede daha iyi kilo kaybı sağlar. Bariatrik cerrahinin birinci amacı vücut ağırlığını azaltmaktır. Bariatrik cerrahi ile kişi tek bir ameliyatla obstrüktif

¹ Op. Dr., Düzce Atatürk Devlet Hastanesi KBB Kliniği ahmetkoder@yahoo.com

KAYNAKLAR

1. Ogden CL, Carroll MD, Kit BK, Flegal KM. (2012) Prevalence of obesity in the United States, 2009–2010. NCHS Data Brief (82): 1–8.
2. World Health Organization. Fact Sheet. Obesity and overweight. Available at: <http://www.who.int/mediacentre/factsheets/fs311/en/Updated June 2021>
3. Whitlock G, Lewington S, Sherliker P, et al. Prospective Studies Collaboration. Body-mass index and cause-specific mortality in 900 000 adults: collaborative analyses of 57 prospective studies. *Lancet*. 2009; 373(9669):1083–1096
4. Guidelines for Clinical Application of Laparoscopic Bariatric Surgery. Available at: <http://www.sages.org/publications/guidelines/guidelines-for-clinical-application-of-laparoscopic-bariatric-surgery/Accepted: 25 March 2008 ©SAGES 2008>
5. International Federation for the Surgery of Obesity and Metabolic Disorders. Are you a candidate. Selection criteria. Available at: <http://www.ifso.com/are-you-a-candidate/> ©2014
6. National Institutes of Health (1991) Gastrointestinal surgery for severe obesity. National Institutes of Health Consensus Development Conference Draft Statement. *Obes Surg* 1:257–265
7. Ikramuddin S, Korner J, Lee WJ, et al. Roux-en-Y gastric bypass vs. intensive medical management for the control of type 2 diabetes, hypertension, and hyperlipidemia: the diabetes surgery study randomized clinical trial. *JAMA*. 2013;309(21):2240–2249.
8. Buchwald H, Estok R, Fahrbach K, et al. Weight and type 2 diabetes after bariatric surgery: systematic review and meta-analysis. *Am J Med*. 2009;122(3):248–256.
9. Kriwanek S, Schermann M, Ali Abdullah S, Roka R. Band slippage a potentially life threatening complication after laparoscopic adjustable gastric banding. *Obes Surg*. 2006;15(1):133–136.
10. Carrodeguas L, Szomstein S, Zundel N, Lo Menzo E, Rosenthal R. Gastrojejunal anastomotic strictures following laparoscopic Roux-en-Y gastric bypass surgery: analysis of 1291 patients. *Surg Obes Relat Dis*. 2006;2(2):92–97.
11. Angrisani L, Santonicola A, Iovino P, Formisano G, Buchwald H, Scopinaro N. Bariatric surgery worldwide 2013. *Obes Surg*. 2015. Apr 4 Epub ahead of print.
12. Bellanger DE, Greenway FL. Laparoscopic sleeve gastrectomy, 529 cases without a leak: short term results and technical considerations. *Obes Surg*. 2011;21(2):146–150.
13. Weiner RA, El-Sayes IA, Theodoridou S, Weiner SR, Scheffel O. Early post-operative complications: incidence, management, and impact on length of hospital stay. A retrospective comparison between laparoscopic gastric bypass and sleeve gastrectomy. *Obes Surg*. 2013;23(12):2004–2012.
14. Dixon JB, Straznicki NE, Lambert EA, Schlaich MP, Lambert GW. Laparoscopic adjustable gastric banding and other devices for the management of obesity. *Circulation*. 2012;126(6):774–785.
15. Dixon AF, Dixon JB, O'Brien PE. Laparoscopic adjustable gastric banding induces prolonged satiety: a randomized blind crossover study. *J Clin Endocrinol Metab*. 2005;90(2):813–819.
16. Scopinaro N, Marinari G, Camerini GB, et al. Specific effect of biliopancreatic diversion on the major components of metabolic syndrome: a long-term follow-up study. *Diabetes Care*. 2005;28:2406–2411.
17. Strain GW, Gagner M, Pomp A, Dakin G, Inabnet WB, Saif T. Comparison of fat-free mass in super obesity (BMI \geq 50 kg/m²) and morbid obesity (BMI < 50 kg/m²) in response to different weight loss surgeries. *Surg Obes Relat Dis*. 2012;8(3):255–259.
18. Nanni G, Familiari P, Mor A, et al. Effectiveness of the Transoral Endoscopic Vertical Gastroplasty (TOGa®): a good balance between weight loss and complications, if compared with gastric bypass and biliopancreatic diversion. *Obes Surg*. 2012;22:1897–1902.

19. Ibrahim AM, Ghaferi AA, Thumma JR, Dimick JB. Variation in outcomes at bariatric surgery centers of excellence. *JAMA Surg*. Published online April 26, 2017. <https://doi.org/10.1001/jamasurg.2017.0542>.
20. Coblijn UK, et al. Predicting postoperative complications after bariatric surgery: the Bariatric Surgery Index for Complications, *BASIC Surg Endosc* 2017. <https://doi.org/10.1007/s00464-017-5494-0>. [Epub ahead of print].
21. Lim RB. Complications of gastric bypass and repair. In: Fischer JE, editor. *Fischer's mastery of surgery*. 6th ed. Philadelphia: Lippincott Williams & Wilkins; 2012.
22. Aghajani E, Nergaard BJ, Leifson BG, et al. The mesenteric defects in laparoscopic roux-en-Y gastric bypass: 5 years follow-up of non-closure versus closure using the stapler technique. *Surg Endosc*. 2017. Published online February 15, 2017. <https://doi.org/10.1007/s00464-017-5415-2>.
23. Gebhart A, Young M, Phelan M, Nguyen NT. Impact of accreditation in bariatric surgery. *Surg Obes Relat Dis*. 2014;10(5):767–73.
24. Telem DA, et al. Rates and risk factors for unplanned emergency department utilization and hospital readmission following bariatric surgery. *Ann Surg*. 2016;263(5):956–60.
25. Kushner R. Managing the obese patient after bariatric surgery: a case report of severe malnutrition and review of the literature. *JPEN J Parenter Enteral Nutr*. 2000;24(2):126–132.
26. Mechanick JI, Youdim A, Jones DB, et al. Clinical practice guidelines for the perioperative nutritional, metabolic, and nonsurgical support of the bariatric surgery patient—2013 update: cosponsored by American Association of Clinical Endocrinologists, the Obesity Society, and American Society for Metabolic and Bariatric Surgery. *Surg Obes Rel Dis*. 2013;9(2):159–191.
27. Wood GC, Chu X, Manney C, Sgtrodel W, Petrick A, Gabrielsen J, et al. An electronic health record-enabled obesity database. *BMC Med Inform Decis Mak*. 2012;12:45. <https://doi.org/10.1186/1472-6947-12-45>.
28. Schwartz, A.R., Patil, S.P., Laffan, A.M. et al. (2008). Obesity and obstructive sleep apnoea: pathogenic mechanisms and therapeutic approaches. *Proc Am Thorac Soc* 5(2): 185–192.
29. Schwartz, A.R., Gold, A.R., Schubert, N. et al. (1991). Effect of weight loss on upper airway collapsibility in obstructive sleep apnoea. *Am Rev Respir Dis* 144(3 Pt 1): 494–498.
30. Ashrafian H, Toma T, Rowland SP, et al. Bariatric surgery or non-surgical weight loss for obstructive sleep apnoea? A systematic review and comparison of meta-analyses. *Obes Surg*. 2015; 25(7):1239–1250
31. Ravesloot MJ, Hilgevoord AA, van Wagenveld BA, de Vries N. Assessment of the effect of bariatric surgery on obstructive sleep apnea at two postoperative intervals. *Obes Surg*. 2014; 24(1):22–31
32. Buchwald, H., Avidor, Y., Braunwald, E. et al. (2004). Bariatric surgery: a systematic review and meta-analysis. *JAMA* 292(14): 1724–1737.
33. Varela, J.E., Hinojosa, M.W., Nguyen, N.T. (2007). Resolution of obstructive sleep apnoea after laparoscopic gastric bypass. *Obes Surg* 17(10):1279–1282.
34. Dixon, J.B., Schachter, L.M., O'Brien, P.E. (2001). Sleep disturbance and obesity: changes following surgically induced weight loss. *Arch Intern Med* 161(1): 102–106.