

BÖLÜM 35

Fistüllerde Önleyici Tedavi

Büşra EKİNCİ BİÇKİCİ¹

GİRİŞ

Postoperatif fistül oluşumunun önlenmesi her zaman için fistül tedavisinin ilk basamağıdır. Perioperatif dönemde fistül önlenmesi açısından gerekli tedbirlerin alınması morbiditeyi azaltıp, hastanede yatış süresini de azaltarak hastaların daha erken günlük aktivitelerine dönebilmesini sağlar. Fistül oluşumunda önleyici tedavi temel olarak; perioperatif dönemdeki nütrisyon desteği, solunum desteği, antibiyotik profilaksisi, diğer komplikasyonların erken tedavisi ve uygun cerrahi tekniğin uygulanmasıdır(1).

Postoperatif fistüllerin gelişmesinde prediktif faktörler dikkatle değerlendirilmeli ve değiştirilebilecek faktörler önceden belirlenip gerekli tedavi ya da önleyici yöntem uygulanmalıdır. Bu prediktif faktörlerin başında hastanın ameliyat öncesi nütrisyonel durumu gelmektedir. Preoperatif albümin değeri ile postoperatif pankreatik, biliyer ve gastrointestinal fistüller arasında önemli bir korelasyon bulunmuştur(2,3). Bu nedenle hastaların nütrisyonel durumu ameliyat öncesi iyi değerlendirilmeli ve hastalara perioperatif dönemde uluslararası klavuzlarda belirtildiği şekilde gerekli nütrisyon desteği sağlanmalıdır.

¹ As. Dr., Sağlık Bilimleri Üniversitesi Haseki Eğitim ve Araştırma Hastanesi, Genel Cerrahi Kliniği, busra-ekinci@hotmail.com

KAYNAKLAR

1. Han Y, Zhao H, Xu HR, et al. Cure and prevention strategy for postoperative gastrointestinal fistula after esophageal and gastric cardiac cancer surgery. *Hepatogastroenterology* [Internet]. 2014 [cited 2022 Oct 17];61(133):1253–6. Available from: <https://pubmed.ncbi.nlm.nih.gov/25436292/>
2. Gruppo M, Angriman I, Martella B, et al. Perioperative albumin ratio is associated with post-operative pancreatic fistula. *ANZ J Surg* [Internet]. 2018 Jul 1 [cited 2022 Nov 6];88(7–8):E602–5. Available from: <https://pubmed.ncbi.nlm.nih.gov/29194898/>
3. Bradley MJ, DuBose JJ, Scalea TM, et al. Independent predictors of enteric fistula and abdominal sepsis after damage control laparotomy: results from the prospective AAST Open Abdomen registry. *JAMA Surg* [Internet]. 2013 Oct [cited 2022 Oct 17];148(10):947–54. Available from: <https://pubmed.ncbi.nlm.nih.gov/23965658/>
4. Lai ECH, Lau SHY, Lau WY. Measures to prevent pancreatic fistula after pancreatoduodenectomy: a comprehensive review. *Arch Surg* [Internet]. 2009 Nov [cited 2022 Oct 17];144(11):1074–80. Available from: <https://pubmed.ncbi.nlm.nih.gov/19917946/>
5. Callery MP, Pratt WB, Vollmer CM. Prevention and management of pancreatic fistula. *J Gastrointest Surg* [Internet]. 2009 Jan [cited 2022 Oct 17];13(1):163–73. Available from: <https://pubmed.ncbi.nlm.nih.gov/18496727/>
6. Kuroki T, Tajima Y, Kanematsu T. Surgical management for the prevention of pancreatic fistula following distal pancreatectomy. *J Hepatobiliary Pancreat Surg*. 2005 Aug;12(4):283–5.
7. Kajiyama Y, Tsurumaru M, Udagawa H, et al. Quick and simple distal pancreatectomy using the GIA stapler: report of 35 cases. *Br J Surg* [Internet]. 1996 [cited 2022 Nov 7];83(12):1711. Available from: <https://pubmed.ncbi.nlm.nih.gov/9038547/>
8. Suzuki Y, Fujino Y, Tanioka Y, et al. Randomized clinical trial of ultrasonic dissector or conventional division in distal pancreatectomy for non-fibrotic pancreas. *Br J Surg* [Internet]. 1999 [cited 2022 Nov 7];86(5):608–11. Available from: <https://pubmed.ncbi.nlm.nih.gov/10361178/>
9. Poon RTP, Lo SH, Fong D, et al. Prevention of pancreatic anastomotic leakage after pancreaticoduodenectomy. *Am J Surg*. 2002;183(1):42–52.
10. Cocolini F, Ceresoli M, Kluger Y, et al. Open abdomen and entero-atmospheric fistulae: An interim analysis from the International Register of Open Abdomen (IROA). *Injury* [Internet]. 2019 Jan 1 [cited 2022 Oct 17];50(1):160–6. Available from: <https://pubmed.ncbi.nlm.nih.gov/30274755/>
11. di Saverio S, Tarasconi A, Walczak DA, et al. Classification, prevention and management of entero-atmospheric fistula: a state-of-the-art review. *Langenbecks Arch Surg* [Internet]. 2016 Feb 1 [cited 2022 Oct 17];401(1):1–13. Available from: <https://pubmed.ncbi.nlm.nih.gov/26867939/>
12. Bradley MJ, DuBose JJ, Scalea TM, et al. Independent predictors of enteric fistula and abdominal sepsis after damage control laparotomy: Results from the prospective AAST open abdomen registry. *JAMA Surg*. 2013 Oct;148(10):947–54.
13. Baucom RB, Poulouse BK, Herline AJ, et al. Smoking as dominant risk factor for anastomotic leak after left colon resection. *Am J Surg* [Internet]. 2015 Jul 1 [cited 2022 Nov 7];210(1):1–5. Available from: <https://pubmed.ncbi.nlm.nih.gov/25910885/>
14. Volk A, Kersting S, Held HC, et al. Risk factors for morbidity and mortality after single-layer continuous suture for ileocolonic anastomosis. *Int J Colorectal Dis* [Internet]. 2011 Mar [cited 2022 Nov 7];26(3):321–7. Available from: <https://pubmed.ncbi.nlm.nih.gov/20697722/>
15. Ziegler MA, Catto JA, Riggs TW, et al. Risk factors for anastomotic leak and mortality in

- diabetic patients undergoing colectomy: analysis from a statewide surgical quality collaborative. *Arch Surg* [Internet]. 2012 Jul [cited 2022 Nov 7];147(7):600–5. Available from: <https://pubmed.ncbi.nlm.nih.gov/22430091/>
16. Abou Rached A, Basile M, el Masri H. Gastric leaks post sleeve gastrectomy: review of its prevention and management. *World J Gastroenterol* [Internet]. 2014 Oct 14 [cited 2022 Nov 7];20(38):13904–10. Available from: <https://pubmed.ncbi.nlm.nih.gov/25320526/>
 17. Fang AH, Chao W, Ecker M. Review of Colonic Anastomotic Leakage and Prevention Methods. *J Clin Med* [Internet]. 2020 Dec 1 [cited 2022 Nov 7];9(12):1–17. Available from: <https://pubmed.ncbi.nlm.nih.gov/pmc/articles/PMC7765607/>
 18. Choy PYG, Bissett IP, Docherty JG, et al. Stapled versus handsewn methods for ileocolic anastomoses. *Cochrane Database Syst Rev* [Internet]. 2011 Sep 7 [cited 2022 Nov 7];(9). Available from: <https://pubmed.ncbi.nlm.nih.gov/21901690/>
 19. Guyton KL, Hyman NH, Alverdy JC. Prevention of Perioperative Anastomotic Healing Complications: Anastomotic Stricture and Anastomotic Leak. *Adv Surg* [Internet]. 2016 Sep 1 [cited 2022 Nov 7];50(1):129–41. Available from: <https://pubmed.ncbi.nlm.nih.gov/27520868/>
 20. Cira K, Stocker F, Reischl S, et al. Coating of Intestinal Anastomoses for Prevention of Postoperative Leakage: A Systematic Review and Meta-Analysis. *Front Surg* [Internet]. 2022 Apr 22 [cited 2022 Nov 7];9. Available from: <https://pubmed.ncbi.nlm.nih.gov/35769150/>
 21. Liu CD, Glantz GJ, Livingston EH. Fibrin glue as a sealant for high-risk anastomosis in surgery for morbid obesity. *Obes Surg* [Internet]. 2003 Feb 1 [cited 2022 Oct 17];13(1):45–8. Available from: <https://pubmed.ncbi.nlm.nih.gov/12630612/>
 22. Márquez MF, Ayza MF, Lozano RB, et al. Gastric leak after laparoscopic sleeve gastrectomy. *Obes Surg* [Internet]. 2010 Sep [cited 2022 Nov 7];20(9):1306–11. Available from: <https://pubmed.ncbi.nlm.nih.gov/20574787/>
 23. Iossa A, Abdelgawad M, Watkins BM, et al. Leaks after laparoscopic sleeve gastrectomy: overview of pathogenesis and risk factors. *Langenbecks Arch Surg* [Internet]. 2016 Sep 1 [cited 2022 Nov 7];401(6):757–66. Available from: <https://pubmed.ncbi.nlm.nih.gov/27301373/>
 24. Baker L, Williams L, Winter R, et al. Influence of adjuvant antibiotics on fistula formation following incision and drainage of anorectal abscesses: A systematic review protocol. *Syst Rev*. 2019 Apr 15;8(1).
 25. Ghahramani L, Minaie MR, Arasteh P, et al. Antibiotic therapy for prevention of fistula in-ano after incision and drainage of simple perianal abscess: A randomized single blind clinical trial. *Surgery* (United States). 2017 Nov 1;162(5):1017–25.