

DAFTAR PUSTAKA

- Ahrendt GM, *et al.* Intra-abdominal sepsis impairs colonic reparative collagen synthesis. 1996. *Am J Surg*; 171(1): pp.102-8.
- Bonanomi G, Prince JM, McSteen F, *et al.* Sealing effect of fibrin glue on the healing of gastrointestinal anastomoses: implications for the endoscopic treatment of leaks. 2004. *Surg Endosc*;18: pp. 1620–4.
- Bosmans *et al.* Colorectal anastomotic healing: why the biological processes that lead to anastomotic leakage should be revealed prior to conducting intervention studies. 2015. *BMC Gastroenterology* 15:180.
- Bosmans, JWAM. ‘Colorectal anastomotic leakage: a call for a different approach’, Doctoral Thesis, Universiteit Maastricht. 2017.
- Barbul, A. Efron, DT & Kavalukas, SL. ‘Wound healing’, in: Brunickardi, FC, Andersen, DK, Billiar, TR, Dunn, DL, Hunter, JG, Matthews, JB & Pollock, RE (ed.), *Schwartz’s Principles of Surgery*, 10ed. 2016. New York: McGraw-Hill Education. pp. 241–71.
- Bedeniuk A, Grytsenko Y, Grytsenko S, Horman M, Boiko H. The Evaluation Of Risk Factors of Anastomotic Leakage in Patients with Colorectal Cancer Complicated by Ileus. *Int J Surg Med*. 2017.
- Brasel KJ, Borgstrom DC, and Weigelt JA. Management of penetrating colon trauma: a cost-utility analysis. 1999. *Surgery*, vol. 125, no. 5, pp. 471–9.
- Buchs NC, Gervaz P, Secic M, Bucher P, Mugnier-Konrad B, Morel P. Incidence, consequences, and risk factors for anastomotic dehiscence after colorectal surgery: a prospective monocentric study. 2008. *Int J Colorectal Dis*; 23: pp. 265–70.

- Buyne OR, *et al.* 'A peritonitis model with low mortality and persisting intra-abdominal abscesses'. 2006. *International Journal of Experimental Pathology*, 87(5), pp. 361–8.
- Conrad JK, Ferry KM, Foreman ML, Gogel BM, Fisher TL, and Livingston SA. Changing management trends in penetrating colon trauma. 2000. *Diseases of the Colon and Rectum*, vol. 43, no. 4, pp. 466–71.
- Currie LJ, Sharpe JR, Martin R. The use of lem fibrin in skin grafts and tissue-engineered skin replacements: a review. 2001. *Plast Reconstr Surg*. Nov;108(6): pp. 1713–26.
- De Waard, JWD, Wobbes, T, de Man, BM, van der Linden, CJ & Hendriks, T. Post-operative levamisole may compromise early healing of experimental intestinal anastomoses. 1995. *British Journal of Cancer*, vol. 72, no. 2, pp. 456–60. Accessed 12 December 2018 <<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2034010/pdf/brjccancer0042-0204.pdf>>.
- Eckmann C & Bassetti, M. Prognostic factors for mortality in (fecal) peritonitis: back to the roots. 2014. *Intensive Care Medicine*, vol. 40, no. 2, pp. 269–71. Accessed 12 December 2018 <<https://link.springer.com/content/pdf/10.1007%2Fs00134-013-3155-x.pdf>>.
- Falanga, V. *et al.* Experimental approaches to chronic wounds. 1995. *Wound Repair and Regeneration*, 3(2), pp. 132–40.
- Fileanugraha, A., Budipramana, VS., Setiawan, A. The comparison of fibroblast count and collagen density score in ileal anastomosis with jelujur and interrupted suture technique in new zealand rabbit. 2019. *Bali Medical Journal*, 8(3), pp. 557-59.

- Galanos, C., & Freudenberg, MA. Bacterial endotoxins: biological properties and mechanisms of action. 1993. *Mediators of inflammation*, 2(7), pp. S11–6.
- Gordillo, G. M. and Sen, C. K. ‘Revisiting the essential role of oxygen in wound healing’. 2003. *American Journal of Surgery*, 186(3), pp. 259–63.
- Gorres KL and Raines RT. Prolyl4-hydroxylase. 2010. *Critical Review in Biochemistry and Molecular Biology*, 45: 106–124.
- Greenhalgh, D. G. The role of apoptosis in wound healing. 1998. *International Journal of Biochemistry and Cell Biology*, 30(9), pp. 1019–30.
- Harper D, Young A, McNaught CE. The physiology of wound healing. 2016. *Surgery*. 32(9): pp. 445-50.
- Hedlund CS. Surgery of The Small Intestine. In: Fossum TW, Hedlund CS, Hulse DA, Johnson AL, Seim HB, Willard MD, Carrol WL. 2002. *Small Animal Surgery*. 2nd ed. St Louis: Mosby Inc: pp. 369-98.
- Hendriks, T., Mastboom, W. J. B., and de Boer, H. H. M. Collagen changes around intestinal anastomoses in germ- free rats. 1990. *British Journal of Surgery*, 76(8), pp. 797–801.
- Henry-Stanley MJ, Hess DJ, Barnes AM, Dunny GM, Wells CL. Bacterial contamination of surgical suture resembles a biofilm. *Surg Infect (Larchmt)*. 2010 Oct;11(5):433-9.
- Hussain S, Aslam V, Rahman S. Single-Layer Continuous Versus Single-Layer Interrupted Extra Mucosal Techniques in Small Intestine Anastomosis. *P J M H S* Vol. 9, NO. 4, OCT – DEC 2015.
- Ignat'eva NY, Danilov NA, Averkiev SV, Obrezkova MV, Lunin VV, Sobol EN. Determination of *hydroxyproline* in tissues and the evaluation of the collagen content of the tissues. 2007. *Journal of Analytical Chemistry*. 62: pp. 51-7.

- Ikeuchi, D, Onodera, H, Aung, T, Kan, S, Kawamoto, K, Imamura, M & Maetani, S. Correlation of tensile strength with bursting pressure in the evaluation of intestinal anastomosis. 1999. *Digestive Surgery*, vol. 16, no. 6, pp. 478–85.
- Jiborn, H, Ahonen, J & Zederfeldt, B. Healing of experimental colonic anastomoses. II. Breaking strength of the colon after left colon resection and anastomosis. 1978. *The American Journal of Surgery*, vol. 136, no. 5, pp. 595–9.
- Kanellos I, Mantzoros I, Demetriades H, *et al.* Healing of colon anastomoses covered with fibrin glue after immediate postoperative intraperitoneal administration of 5-fluorouracil. 2004. *Dis Colon Rectum*;47: pp. 510 –5.
- Kang CY, Halabi WJ, Chaudhry OO, *et al.* Risk factors for anastomotic leakage after anterior resection for rectal cancer. 2013. *JAMA Surg*; 148: pp. 65-71.
- Kate, V. Intestinal Anastomosis Technique: Approach Considerations, Incision and Exposure, Bowel Resection 2018. Available at: URL <https://emedicine.medscape.com/article/1892319-technique> (accessed 12 April 2019).
- Khan, PS, Dar, LA & Hayat, H. Predictors of mortality and morbidity in peritonitis in a developing country. 2013. *Ulusal Cerrahi Dergisi*, vol. 29, no. 3, pp. 124–30. (Accessed 12 Desember 2018) <<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4379808/pdf/ucd-29-3-124.pdf>>
- Leong M and Phillips LG. Wound Healing. 2016. *Surgical Basic Principles*. 7(1): pp. 151-77.
- Leslie, A., & Steele, R. J. C. The interrupted serosubmucosal anastomosis - still the gold standard. 2003. *Colorectal Disease*. 5(4), pp. 362–6.

- Li YW, Lian P, Huang B, Zheng HT, Wang MH, Gu WL, Li XX, Xu Y, Cai SJ. Very Early Colorectal Anastomotic Leakage within 5 Post-operative Days: a More Severe Subtype Needs Relaparatomy. 2017. *Sci Rep*. Jan 13;7: pp. 39-6.
- Liakakos, T. *et al.* Peritoneal adhesions: Etiology, pathophysiology, and clinical significance - Recent advances in prevention and management. 2001. *Digestive Surgery*, 18(4), pp. 260–73.
- Lorenz HP and Longaker MT. *Wounds: Biology, Pathology, and Management*. 2003. Stanford University Medical Center.
- Månsson P, Zhang XW, Jeppsson B, Thorlacius H. Anastomotic healing in the rat colon: comparison between a radiological method, breaking strength and bursting pressure. 2002. *Int J Colorectal Dis*, 17: pp. 420–5.
- Martin, P. *Wound Healing--Aiming for Perfect Skin Regeneration*. 1997. *Science*, 276(5309), pp. 75–81.
- Martin, R., Sc, B. and Ph, D. Special Topic The Use of Fibrin Glue in Skin Grafts and Tissue-Engineered Skin Replacements : A Review. 2001. *Plastic and Reconstructive Surgery*, 108, No.6, pp. 1713–26.
- McAdams, A.J., Meikle, G. & Medina, R. An experimental comparison of inversion and eversion colonic anastomoses. 1969. *Dis Colon Rectum* 12, 1–6.
- McDermott, FD, Heeney, A, Kelly, ME, Steele, RJ, Carlson GL & Winter, DC. Systematic review of preoperative, intraoperative and postoperative risk factors for colorectal anastomotic leaks. 2015. *British Journal of Surgery*, vol. 102, no. 5, pp. 462–79.
- Midwood KS, Williams LV, Schwarzbauer JE. Tissue repair and the dynamics of the extracellular matrix. 2004. *The International Journal of Biochemistry & Cell Biology*. 36: pp. 1031-7.

- Mike M, Kano N. Reappraisal of the Vascular Anatomy of the Colon and Consequences for the Definition of Surgical Resection. 2013. *Dig. Surg.* 30, pp. 383–92.
- Mortensen, N.J., Ashraf, S., n.d. *Intestinal Anastomosis in: ACS Surgery: Principles and Practices*. 2008. BC Decker Inc. pp. 1-14.
- Munireddy S., Sandra L. Kavalukas, Barbul A. *Intra-abdominal Healing: Gastrointestinal Tract and Adhesions*. 2010. *Surgical Clinics of North America*.
- Napolitano, LM. Sepsis 2018: definitions and guideline changes. 2018. *Surgical Infections*, vol. 19, no. 2, pp. 117–25.
- NasirKhan MU, Abir F, Longo W, Kozol R. Anastomotic disruption after large bowel resection. 2006. *World J Gastroenterol WJG* Apr 28;12(16): pp. 2497–504.
- Nordentoft, T. *et al.* Fibrin glue does not improve healing of gastrointestinal anastomoses: A systematic review. 2015. *European Surgical Research*, 54(1–2), pp. 1–13.
- Ordoñez, CA & Puyana, JC. Management of peritonitis in the critically ill patient. 2016. *Surgical Clinics of North America*, vol. 86, no. 6, pp. 1323–49. (Accessed on 13 December 2018 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3413265/pdf/nihms210302.pdf>).
- Perdanakusuma D.S. *Anatomi Fisiologi Kulit Dan Penyembuhan Luka*. 2007. Surabaya: Airlangga University School Of Medicine – Dr. Soetomo General Hospital: 1-8.
- Podolsky DK, Kanai M, Rosenberg I. Cytokine regulation of fibroblast growth factor receptor 3 IIIb in intestinal epithelial cells. 1997. *American Journal of Physiology-Gastrointestinal and Liver Physiology*, 272(4), pp. G885–93.

- Qiu B, Wei F, Sun X, Wang X, Duan B, Shi C, Mu W. Measurement of *hydroxyproline* in collagen with three different methods. 2014. *Molecular Medicine Reports*, 10(2), pp. 1157–63.
- Verwaest C, Fa-Si-Oen PR, Buitenweg J, Putter H, de Waard JW, van de Velde CJH & Roumen RMH. Effect of mechanical bowel preparation with polyethyleneglycol on bacterial contamination and wound infection in patients undergoing elective open colon surgery. *Clin Microbiol Infect* 2005; 11: 158–160
- Ramalingam M, Murugesan A, Senthil K, Pai MG. A Comparison of Continuous and Interrupted Suturing in Laparoscopic Pyeloplasty. 2014. *JSLS* 18, pp. 294–300.
- Rassweiler JJ, Teber D, Frede T. Complications of Laparoscopic Pyeloplasty. 2006. *World J Urol* 26: pp. 539–47.
- Reddy GK & Enwemeka CS. A Simplified Method for The Analysis of *Hydroxyproline* in Biological Tissue. 1996. *Clin Biochem*; 29(3): pp. 225-9.
- Robson MC, Steed DL, Franz MG. Wound healing: biologic features and approaches to maximize healing trajectories. 2001. *Curr Probl Surg*. Feb 38(2): pp. 72-140.
- Rudd KE, Delaney A & Finfer S. Counting sepsis, an imprecise but improving science. 2017. *Journal of American Medical Association*, vol. 318, no. 13, pp. 1228–9.
- Saravanan K, Muthukumar A. A Prospective Comparative Study of Single-layered Versus Double-layered Intestinal Anastomosis. *Int J Sci Stud* 2019;6(12):220-222

- Schiff A, Roy S, Pignot M, Fegelman EJ. Diagnosis and management of intraoperative colorectal anastomotic leaks: a global retrospective patient chart review study. *Hindawi Surgery Research and Practice*, Volume 2017, Article ID 3852731, 9 pages
- Senol M, *et al.* The Effect of Fibrin Glue on the Intensity of Colonic Anastomosis in the Presence and Absence of Peritonitis: An Experimental Randomized Controlled Trial on Rats. 2013. *ISRN Surgery*, pp. 1–6.
- Santhini, Myla, Sajani, Usharani. Screening of *Micrococcus Sp* from oil contaminated soil with reference to bioremediation. 2009. *Bot. Res. Int.*, 2(4): pp. 248-52.
- Shi J, Wu Z, Li Z, Ji J. Roles of Macrophage Subtypes in Bowel Anastomotic Healing and Anastomotic Leakage. 2018. *Journal of Immunology Research*, Article ID 6827237, 8 pages.
- Shikata S, Yamagishi H, Taji Y, *et al.* Single versus two layer intestinal anastomosis: a meta-analysis of randomized controlled trials. 2006. In: *Database of Abstracts of Reviews of Effects (DARE): Quality-assessed Reviews [Internet]*. York (UK): Centre for Reviews and Dissemination (UK); 1995-.
- Shrum, B. *et al.* A robust scoring system to evaluate sepsis severity in an animal model. 2014. *BMC Research Notes*, 7(1), pp. 1–11.
- Slieker JC, Daams F, Mulder IM, Jeckel J, Lange JF. Systematic review of the technique of colorectal anastomosis. *JAMA Surg.* 2013;148(2):190-201
- Snyder RJ, Lantis J, Kirsner RS, Shah V, Molyneaux M, Carter MJ. Macrophages: A review of their role in wound healing and their therapeutic use. 2016. *Wound Repair Regen Off Publ Wound Heal Soc Eur Tissue Repair Soc.* 24(4): pp. 613–29.

- Srivastava, KA., Khare, P., Kumar Nagar, H., Raghuwanshi, N., & Srivastava, R. *Hydroxyproline: A Potential Biochemical Marker and Its Role in the Pathogenesis of Different Diseases*. 2016. *Current Protein & Peptide Science*, 17(6), pp. 596–602.
- Stadelmann WK, Digenis AG and Tobin GR. Physiology and healing dynamics of chronic cutaneous wounds. 1998. *American Journal of Surgery*, 176(2 A), pp. 26S-38S.
- Stoilov I, Starcher BC, Mecham RP & Broekelmann TJ. Measurement of elastin, collagen, and total protein levels in tissues. In: *Methods in Cell Biology*. 2018. *Methods in Cell Biology*; Vol. 143. Academic Press Inc. pp. 133-46.
- Suding PN *et al.* Definitive risk factors for anastomotic leak in open elective colon resection. 2003. *Journal of the American College of Surgeons*, 205(3), pp. S20.
- Thomson ABR & Shaffer EA. *First Principles of Gastroenterology and Hepatology*. 2012. Canadian Academic Publisher Ltd
- Thompson SK, Chang EY & Jobe BA. Clinical review: healing in gastrointestinal anastomoses, part I. 2006. *Microsurgery*, vol. 26, no. 3. pp. 131–6.
- Thornton FJ, Barbul A. Healing in the gastrointestinal tract. 1997. *Surg Clin North Am* 77: pp. 549–73.
- Uludag, M. *et al.* Effects of amniotic membrane on the healing of normal and high-risk colonic anastomoses in rats. 2009. *International Journal of Colorectal Disease*, 24(7), pp. 809–17.
- Van Ruler, O & Boermeester, MA. Surgical treatment of secondary peritonitis: a continuing problem. 2017. *Der Chirurg*, vol. 88, sup. 1. pp. S1–S6,

- Velnar T, Bailey T, S. V. The Wound Healing Process: An Overview of the Cellular and Molecular Mechanisms. 2009. *J Int Med Res* 37 (5):1528–1542. , 37(5), pp. 1528–42.
- Verhofstad MJ, Lange WL, van der Laak JM, Verhofstad AJ, Hendriks T. Microscopic analysis of anastomotic healing in the intestine of normal and diabetic rats. 2001. *Dis Colon Rectum*, 44: pp. 423-31.
- Werner S and Grose R. Regulation of Wound Healing by Growth Factors and Cytokines. 2003. *Physiol Rev*; 83: pp. 835-70.
- Xiao Z, Wilson C, Robertson HL, Robert DJ, Ball CG, Jenne CN & Kirkpatrick AW. Inflammatory mediators in intra-abdominal sepsis or injury – a scoping review. *Crit Care*. 2015; 19: 373.
- Yauw STK *et al.* Serosal abrasion of bowel ends does not enhance anastomotic healing. 2015. *Journal of Surgical Research* 193, pp. 634 – 41.
- Zografos GC, Martis K & Morris DL. Laser Doppler flowmetry in evaluation of cutaneous wound blood flow using various suturing techniques. 1992. *Annals of surgery*, 215(3), pp. 266–8.