



BÖLÜM 4

YARA TEDAVİSİNDE KULLANILAN PASİF KAPAMA YÖNTEMLERİ VE YARA BAKIM MATERYALLERİ

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İçindekiler

- Giriş
- İdeal Yara Örtüsü Özellikleri
- Pasif Kapamalar
- Cilt Koruyucular
- Hidrokolloid Örtüler
- Hidrojel Örtüler
- Film Örtüler (Yarı geçirgen)
- Köpük Örtüler
- Hidroaktif Örtüler
- Kalsiyum Aljinatlar
- Hidrofiber Örtüler
- Kollajen Örtüler
- Antimikrobiyal Örtüler
- Koku Giderici Örtüler
- Biyoaktif Yara Örtüleri
- Kompozit Yara Örtüleri

- Temas Tabaka Örtüleri
- İlaçlı Örtüler
- Doku Mühendisliği Ürünleri
- Sonuç
- Bilgimizi Sınayalım
- Kaynaklar

Neler Öğreneceğiz

- Yara bakımında kullanılan örtüleri
- Yara bakım örtülerinin özelliklerini
- İdeal pansumanın özelliklerini
- Yara örtüsü seçimi ve hastanın değerlendirilmesi

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Aşağıdaki tedavi seçeneklerinden hangisi aşırı akıntılı bir yara için uygun bir tedavi seçeneği değildir?

- A. Negatif basınç tedavisi
- B. Köpük pansuman
- C. Kalsiyum aljinat pansuman
- D. Hidrojel amorf jel

Cevap: D

KAYNAKLAR

1. Boateng JS, Matthews KH, Stevens HN, Eccleston, GM. Wound healing dressings and drug delivery systems: a review. *Journal of Pharmaceutical Sciences*, 2008; 97 (8):2892-2923. doi: 10.1002/jps.21210.
2. Ghomi ER, Khalili S, Khorasani SN, et. al. Wound dressings: Current advances and future directions. *Journal of Applied Polymer Science*,2019; 136(27): 47738. DOI: 10.1002/app.47738
3. Jones V, Grey JE, Harding KG. Wound dressings, *BMJ*, 2006; 332(7544): 777-780. 10.1136/bmj.332.7544.777
4. Zhang M, Zhao X. Alginate hydrogel dressings for advanced wound management. *International Journal of Biological Macromolecules*,2020;162:1414–1428. doi.org/10.1016/j.ijbiomac.2020.07.311
5. Weir D, Brindle T. Wound Dressings. In: Hamm RL (eds.) *Text and Atlas of Wound Diagnosis and Treatment*. United States: McGraw-Hill Education; 2015.p.343-384. ISBN: 978-0-07-180721-0.
6. Kumar PTS, Abhilash S, Manzoor SK, et. al. Preparation and characterization of novel beta-chitin/nanosilver compositescaffolds for wound dressing applications. *Carbohydrate Polymers*. 2010: 761-767. doi.org/10.1016/j.carbpol.2009.12.024.
7. Ying W, Tan J, Chen C, et.al. Biofabrication of silver nanoparticles and its application for development of wound dressing system in nursing care for burn injuries in children. *Journal of Drug Delivery Science and Technology*, 2019;54: 101236. doi.org/10.1016/j.jddst.2019.101236
8. Santhanam R, Rameli MAP, Jeffri AA, Wan Ismail WI. Bovine based collagen dressings in wound care management. *Journal of Pharmaceutical Research International*.2020; 32(33): 48-63. DOI: 10.9734/JPRI/2020/v32i33330949
9. Erdoğan B. Yara Bakım Ürünleri. Topalan M, Aktaş Ş (Ed.), Güncel Yönleriyle Kronik Yara içinde 1. Baskı. Ankara: Aygül Ofset Matbaacılık San. Tic. Ltd. Şti; 2010. p.143-171.
10. Niezgoda JA, Baranoski S, Ayello EA, McIntosh A, Montoya L, Ostler M. Wound Treatment Options. In: Baranoski S, Ayello EA (eds.) *Wound Care Essentials Practice Principles*. 5th ed. China: Wolters Kluwer;2020. P.536-683.
11. Kamińska MS, Cybulska AM, Skonieczna-Żydecka K, et al. Effectiveness of Hydrocolloid Dressings for Treating Pressure Ulcers in Adult Patients: A Systematic Review and Meta-Analysis. *Int. J. Environ. Res. Public Health*. 2020;17:7881; doi:10.3390/ijerph17217881.
12. Dhivyaa S, Padma VV, Santhini E. Wound dressings – a review. *BioMedicine*,2015;5(4):24-28. DOI 10.7603/s40681-015-0022-9
13. Kennedy JF, Bunko K. The use of 'smart' textiles for wound care. In: Rajendran S (eds.) *Advanced Textiles for Wound Care*, 2nd ed Sawton, Cambridge, UK: Woodhead Publishing; 2019. pp. 289-311.

14. Weller C. Interactive dressings and their role in moist wound management. In: Rajendran S (eds.) *Advanced Textiles for Wound Care*. 2nd ed Sawton, Cambridge, UK: Woodhead Publishing; 2019. pp. 105–134.
15. Weller CD, Team V, Sussman G. First-Line Interactive Wound Dressing Update: A Comprehensive Review of the Evidence. *Front. Pharmacol.* 2020;11:155. doi: 10.3389/fphar.2020.00155.
16. Vowden K, Vowden P. Wound dressings: principles and practice. *Surgery*, 2017; 35 (9), 489–494. doi: 10.1016/j.mpsur.2017.06.005
17. Ezzelarab MH, Nouh O, Ahmed AN, et.al. A Randomized Control Trial Comparing Transparent Film Dressings and Conventional Occlusive Dressings for Elective Surgical Procedures, *Macedonian Journal of Medical Sciences*. 2019, 15;7(17):2844-2850.
18. Dumville JC, Deshpande S, O'Meara S, Speak K. Foam dressings for healing diabetic foot ulcers. *Cochrane Database of Systematic Reviews* 2013, Issue 6. Art. No.: CD009111. DOI: 10.1002/14651858.CD009111.pub3.
19. Nielsen J, Fogh K. Clinical utility of foam dressings in wound management: a review. *Chronic Wound Care Management and Research*. 2015;2:31–38.
20. Augustin M, Herberger K, Kroeger K, et.al. Cost-effectiveness of treating vascular leg ulcers with UrgoStart® and UrgoCell® Contact. *International Wound Journal*, 2016;13(1):82–87. doi: 10.1111/iwj.12238
21. Abdelrahman T, Newton H. Wound dressings: Principles and Practice. *Surgery* 2011;29(10):491–495. doi.org/10.1016/j.mpsur.2011.06.007
22. Mirasoğlu B. Yara bakım ürünleri. *TOTBİD Dergisi*, 2015; 14:456–461 doi: 10.14292/totbid.dergisi.2015.65
23. Dabiri G, Damstetter E, Phillips T. Choosing a wound dressing based on common wound characteristics. *Adv. Wound Care*, 2016; 5 (1):32–41. doi: 10.1089/wound.2014.0586
24. Vachhrajani V, Khakhkhar P. *Science of Wound Healing and Dressing Materials*. Singapore: Springer Nature; 2020.p. 73-84. ISBN 978-981-32-9236-9 (eBook)
25. Holloway S, Enoch S, Grey JE. Dressings and Devices. In: Price A, Grey JE, Patel GK, Harding KG (eds.) *ABC of Wound Healing*. 2nd ed. Hoboken: John Wiley & Sons Ltd; 2022.p.85-94.
26. Sood A, Kogan S, Granick MS. Wound Dressings and Comparative Effectiveness Data. In: Shiffman MA, Low M (eds.) *Chronic Wounds, Wound Dressings and Wound Healing*. Switzerland: Springer Nature; 2021.p.185-205.
27. Sorushanova A, Delgado ALM, Wu Z, et. al. The collagen suprafamily: from biosynthesis to advanced biomaterial development, *Adv. Mater.* 2019; 31, 1801651. <https://doi.org/10.1002/adma.201801651>.
28. Koehler J, Brandl FP, Goepferich AM. Hydrogel wound dressings for bioactive treatment of acute and chronic wounds. *European Polymer Journal*.2018;100:1-11. doi.org/10.1016/j.eurpolymj.2017.12.046
29. Rodríguez-Cabello JC, de Torre IG, Ibañez-Fonzeca, et.al. Bioactive scaffolds based on elastin-like materials for wound healing. *Advanced Drug Delivery Reviews*, 2018;129:118-133. doi.org/10.1016/j.addr.2018.03.003
30. Borda LJ, Macquhae FE, Kirsner RS. Wound Dressings: A Comprehensive Review. *Curr Derm Rep*. 2016;5:287–297. DOI 10.1007/s13671-016-0162-5

31. Mutlu S, Yılmaz E. (2019). Yara Yönetiminde Yenilikçi Yaklaşımlar. *Gümüşhane Üniversitesi Sağlık Bilimleri Dergisi*, 2019; 8(4):481-494.
32. Öztaş P. Yara iyileşmesi, bakımı ve tedavisi. *Ankara Eğitim ve Araştırma Hastanesi Tıp Dergisi*, 2021; 54(2):341-351. DOI: 10.20492/aeahtd.931499
33. Peate I, Glencross W. *Wound Care at a Glance*. (1st ed). Chichester, UK: John Wiley & Sons Ltd; 2015. p. 54-57.