Basic Wound Care

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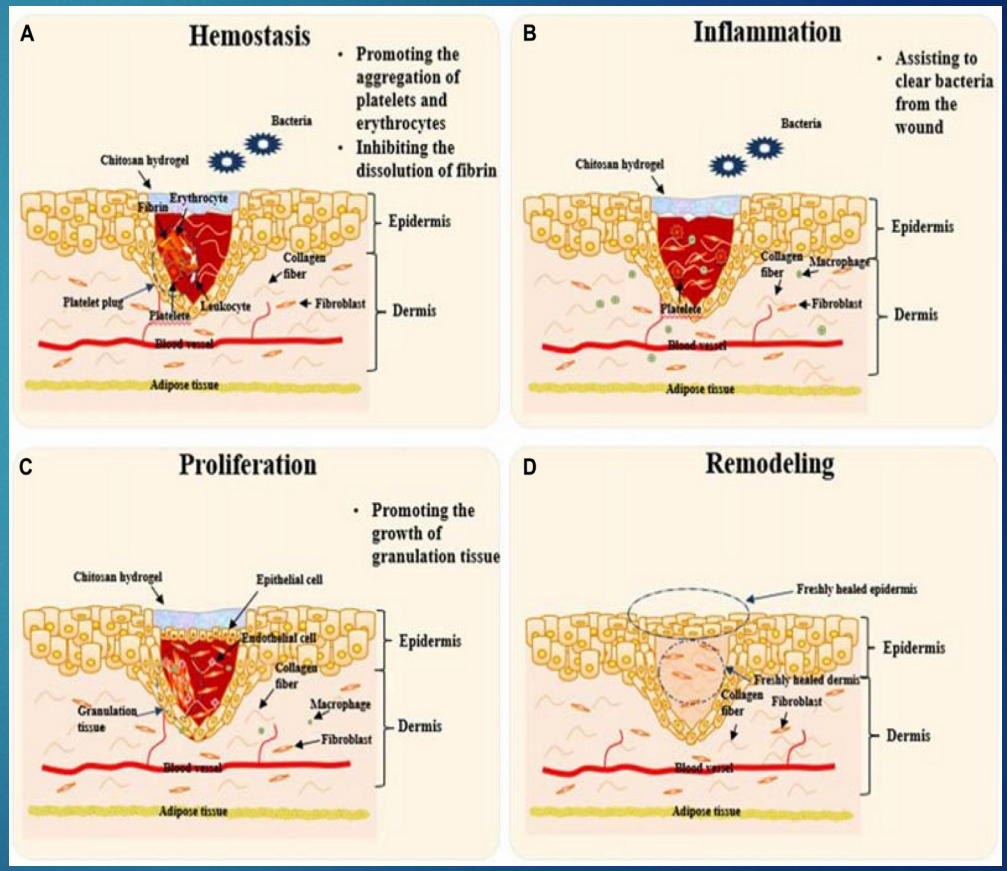
Introduction

- Phases of Wound Healing
- Intrinsic Barriers
- Holistic Wound Assessment
- Basic Wound Care
- Topical Care
- Documentation

Phases of Wound Healing

- Hemostasis
- Inflammation
- Proliferation
- Remodeling



Intrinsic Barriers

- Increased Age
  - Immunosenescence
- Comorbidities
  - Diabetes Mellitus
  - Circulation
  - Atherosclerosis

Holistic Wound Assessment

- Medical History
- Social History
- Support System
- Physical Assessment
- Wound Assessment
- Goals/Outcomes

Basic Wound Care

- Assessment
- Cleaning
- Dressing Change
- Pain Management
- Signs of Infection

Topical Care Categories

- Antifungals
- Antibiotics
- Alginate

Documentation

- Wound Assessment
  - Location
  - Wound Classification
  - Measurements
  - Wound Bed and Edges
  - Drainage and Odor
  - Surrounding Tissue
  - Infection
  - Pain
  - Response to Treatment

Summary

What have we learned?

- Wound Healing
- Barriers to Healing
- Assessments
- Treatment Options
- Documentation

References

Baltzis, D., Eleftheriadou, I., & Veves, A. (2019). Pathogenesis and treatment of impaired wound healing in diabetes mellitus. *Biomedicine & Pharmacotherapy, 112*(31), 138-148. https://doi.org/10.1016/j.biopha.2019.10815

Bandyopadhyay, D. (2021). Topical Antibacterials in Dermatology. *Indian Journal of Dermatology, 6*(2), 117-125. https://doi.org/10.4103/ijd.99.18

Blair, M. J., Jones, J. D., Woessner, A. E., & Quinn, K. P. (2019). Skin Structure-Function Relationship and the Wound Healing Response to Intrinsic Aging. *Advances in Wound Care, 9*(3), 21-32. https://doi.org/10.1089/wound.2019.1021

Docherty, J. (2020). Understanding the elements of a holistic wound assessment. *Nursing Standard, 35*(10), 69-76. https://doi.org/10.7748/ns.2020.e11540

References

Gruver, A. L., Hudseon, L. L., & Sempowski, G. D. (2020). Immunosenescence of ageing. *The Journal of Pathology, 211*(2), 144-156. https://doi.org/10.1002/path2020

Jabeen, S., Clough, E. S., Thomlinson, A. M., Chadwick, S. L., Ferguson, M.W. J., & Shah. M. (2019). Partial thickness wound: Does mechanism of injury influence healing? *Burns, 45*(3), 531-542. https://doi.org//j.burns.2019.08.010

Raziyeva, K., Kim, Y., Zharkinbekov, Z., Kassymbek, K., Jimi, S., & Saparov, A. (2021). Immunology of Acute and Chronic Wound Healing. *Biomolecules, 11*(5), 700. https://doi.org/10.3390/biom11050700

Ruettimann, M., Dowsett, C., & Bain, K. M. (2020). Advancing practice in holistic wound management: a consensus-based call to action. *Wounds International, 11*(4), 70-75. https://doi.org/10.1590/180- 4841.4741

References

Silverston, S., Hampton, R. S., & Anderson, J. (2021). The Role of Alginate Dressings in Wound Healing. *International Wound Journal, 17*(5), 63-68. https://doi.org/10.3390/10020042

Wallace, H. A., & Zito, P. M. (2019, January 19). *Wound Healing Phases*. Nih.gov; StatPearls Publishing. https://www.ncbi.nlm.nih.gov/books/NBK470443/

Woodsman, F. C., Brown, A. J., & Gow, N. A. (2021). Antifungal agents; mechanisms of action. *Trends in Microbiology, 11*(6), 272-279. https://doi.org/10.1016/s0966-842x