



Tissue Viability Bulletin

February 2024

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eBook freely available

[Mind the gap: a handbook of clinical signs in black and brown skin](#)

Malone Mukwende

Articles

Evaluation of a chitosan dressing in the management of hard-to-heal wounds

It is vital that as tissue viability teams, we are constantly striving to improve service delivery, healing rates and positive patient outcomes. In 2021 the author's team were introduced to a unique bioactive microfibre gelling (BMG) dressing, MaxioCel®, which uses chitosan to maintain a cohesive structure to increase fluid handling, antimicrobial and wound-healing properties.

British Journal of Nursing 32 (4) S44 –S50

Effectiveness of Vibration Therapy for Hard-to-Heal Wounds in Clinical Study: A Scoping Review

Diminished peripheral blood flow at the wound site remains a key hindrance to effective wound healing. Hard-to-heal wounds are defined as wounds that fail to heal with standard therapy. Vibration therapy may help promote the healing of hard-to-heal wounds such as pressure injuries, diabetic foot ulcers, and venous leg ulcers by improving blood flow.

Chronic Wound Management and Research 2024 11 1-12

Targeting Signalling Pathways in Chronic Wound Healing

Chronic wounds fail to achieve complete closure and are an economic burden to healthcare systems due to the limited treatment options and constant medical attention. Chronic wounds are characterised by dysregulated signalling pathways. Research has focused on naturally derived compounds, stem-cell-based therapy, small molecule drugs, oligonucleotide delivery nanoparticles, exosomes and peptide-based platforms.

International Journal of Molecular Sciences **2024**, 25, 50.

<https://doi.org/10.3390/ijms250100502023>



Preventing and recognising skin tears using a standardised approach

Skin tears, defined as traumatic wounds caused by mechanical forces, can be debilitating for individuals, causing pain and reduced mobility. Although skin tears can develop throughout the lifespan, older age can make the skin increasingly susceptible to this type of injury.

Nursing Standard 2024 39(2) 45-49

Monitoring negative pressure wound therapy for diabetic foot ulcers using WhatsApp

Foot complications of patients with diabetes could lead to amputations and early death. Diabetic foot ulcers (DFU) are usually difficult to treat and impose huge financial burden. Monitoring wound progress is the mainstay of any treatment and alternatives to face-to-face consultations such as tele-medicine have been proposed.

Journal of Tissue Viability 2024 2024 Jan 11:S0965-206X(24)00001-9. doi:

10.1016/j.jtv.2024.01.001.

Best Practice and Guidelines

Cochrane Library 2024

Midline and off-midline wound closure methods after surgical treatment for pilonidal sinus

Pilonidal sinus disease is a common and debilitating condition. Surgical treatment remains the mainstay for managing chronic disease, with options including midline and off-midline wound closure methods. However, the optimal approach remains uncertain. Recent developments in tension-free midline techniques require further exploration

Available from: cochranelibrary.com/cdsr/doi/10.1002/14651858.CD015213.pub2/epdf/full

Cochrane Library 2024

Retrograde distal access versus femoral access for below the knee angioplasty

The prevalence of peripheral artery disease (PAD) in the general population is about 12% to 14% and it increases with age. PAD increased from 164 million people in 2000 to 202 million people in 2010. More than two-thirds of people with PAD are based in low- or middle-income countries.

Available from: cochranelibrary.com/cdsr/doi/10.1002/14651858.CD013637.pub2/epdf/full

Society of Radiographers and British Medical Ultrasound Society 2023

Guidelines for Professional Ultrasound Practice

These current Guidelines are a collaboration between the Society of Radiographers (SoR) and the British Medical Ultrasound Society (BMUS). The format of a web-based document provides easier access to relevant sections and hyperlinks, while allowing for biennial updates

Available from: [SoR and BMUS Guidelines for Professional Ultrasound Practice \(2023\) | SoR](https://www.sor.org.uk/soar-guidelines-for-professional-ultrasound-practice-2023)



Gov.uk 2024

Pressure ulcers: how to safeguard adults

These documents help practitioners and managers across health and care organisations to provide caring and quick responses to people at risk of developing pressure ulcers.

Available from: [Pressure ulcers: how to safeguard adults - GOV.UK \(www.gov.uk\)](https://www.gov.uk/government/publications/pressure-ulcers-how-to-safeguard-adults)

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