



# Tissue Viability Bulletin February 2023

## How to obtain an article

If you would like to request any of the latest articles included in this bulletin, or to be put onto the bulletin's distribution list, please contact:

[library.pilgrim@ulh.nhs.uk](mailto:library.pilgrim@ulh.nhs.uk)

Access the **Journal of Wound Care** online at the [NHS Knowledge and Library HUB](#)

A NHS OpenAthens username and password is required to view this journal. Please see the **Library Services** section below on how to register for a NHS OpenAthens account.

## Articles

### **Wound Healing Properties of Natural Products: Mechanisms of Action**

A wound is the loss of the normal integrity, structure, and functions of the skin due to a physical, chemical, or mechanical agent. Wound repair consists of an orderly and complex process divided into four phases: coagulation, inflammation, proliferation, and remodeling. The potential of natural products in the treatment of wounds has been reported in numerous studies, emphasizing those with antioxidant, anti-inflammatory, and antimicrobial properties, e.g., alkaloids, saponins, terpenes, essential oils, and polyphenols from different plant sources, since these compounds can interact in the various stages of the wound healing process.

Molecules 2023 28 (2) 1-18

### **Fat grafting: an adjunct in management of chronic leg ulcers**

Chronic leg ulcers (CLU's) are one of the most challenging medical conditions, mostly resistant to conventional therapy. Several treatment modalities are present but none have become standard of care. Autologous fat contains adipose derived stem cells (ADSC's) which is believed to have abundant growth factors (GF's) required for its regenerative and reparative properties. Our observational study was conducted to see the feasibility and efficacy of fat grafting in management of CLUs with complete wound healing as final outcome

International Journal of Surgery 2023 10 (2) 268-274

### **Reducing variation in venous leg ulcer management: a focus on compression**

There were an estimated 3.8 million patients with a wound managed by the NHS in 2017/2018 at a cost of £8.3 billion (Guest et al, 2017). The cost to the patient and their quality of life is immense

Wounds UK 2022 18 (4) 58-64



## **Best Practice and Guidelines**

### **Cochrane Library 2023**

#### **Totally percutaneous versus surgical cut-down femoral artery access for elective bifurcated abdominal endovascular aneurysm repair**

*Abdominal aortic aneurysms (AAAs) are a vascular condition with significant risk attached, particularly if they rupture. Therefore, it is critical to identify and repair these as an elective procedure before they rupture and require emergency surgery. Repair has traditionally been an open surgical technique that required a large incision across the abdomen.*

Available from:

<https://www.cochranelibrary.com/cdsr/doi/10.1002/14651858.CD010185.pub4/epdf/full>

### **NICE 2023**

#### **Hip Fracture Management (updated January 2023)**

*This guideline covers managing hip fracture in adults. It aims to improve care from the time people aged 18 and over are admitted to hospital through to when they return to the community. Recommendations emphasise the importance of early surgery and coordinating care through a multidisciplinary Hip Fracture Programme to help people recover faster and regain their mobility.*

Available from: <https://www.nice.org.uk/guidance/cg124/resources/hip-fracture-management-pdf-35109449902789>

### **Library Services**

**Website:** <https://www.nhslincslibrary.uk/>

#### **Register for a NHS OpenAthens account**

Register for a NHS OpenAthens account via the following link: <https://openathens.nice.org.uk/>

#### **KnowledgeShare**

Sign up to KnowledgeShare and we will send out regular emails alerting you to the latest evidence on a particular topic. To sign up, please click on the following link:

<https://www.nhslincslibrary.uk/knowledgeshare-request/>

#### **Evidence Searching Training**

If you need evidence, we can provide training on how to search the healthcare databases and resources. We can also show you how to appraise the information that you find. To book a training session please contact [clinical.librarian@ulh.nhs.uk](mailto:clinical.librarian@ulh.nhs.uk). More information can be found at:

<https://www.nhslincslibrary.uk/training/>