



Tissue Viability Bulletin

August 2023

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Articles

The effect of virtual reality on pain, anxiety, and fear during burn dressing in children: A randomized controlled study

Virtual Reality (VR) can be used during painful procedures in children. This research was conducted to determine the effect of VR on the pain, anxiety, and fear levels experienced by patients during burn dressing. A randomized between groups study design was used to test whether VR reduced pain, fear, and anxiety during burn wound cleaning
Burns 2023 49 (788-796)

The current position of wound imaging in the UK

The ever-increasing burden of wound care is widely recognised. Many publications, globally and nationally, cite the impact of rising economic costs and the rapidly increasing incidence of chronic wounds on people and healthcare (Guest et al, 2020).
British Journal of Nursing 2023 32 12 (S4)

The role of venous intervention for the treatment of patients with venous leg ulceration

More than 1 million people are estimated to have lower limb venous ulceration in the UK. Such wounds are predominantly caused by sustained venous hypertension, as a result of chronic venous insufficiency, often due to venous valve incompetence or an impaired calf muscle pump.
British Journal of Nursing 2023 32 12 (S6 –S12)

Patient experiences of people with leg ulcers during the COVID-19 pandemic

Background: The COVID-19 pandemic affected the care of people with chronic leg ulcers (CLUs). Aims: To understand how people with CLUs perceived illness, health care and the public health emergency during the second wave of the COVID-19 pandemic.
British Journal of Nursing 2023 32 12 (S14–S26)



Nursing students' skills in applying short-stretch compression bandages using the control of compression bandaging score

Aim: To assess the feasibility using the Control of Compression Bandaging (CCB) score to measure skills development on short-stretch compression therapy during a second-year nursing students' workshop. Design: A quasiexperimental pilot study with one group. British Journal of Nursing 2023 32 12 (S28–S35)

Effective care for patients with chronic wounds: a manager's guide to the TIMERS tool

Moore et al (2019) estimated the cost of wound care in the UK to be in the region of £5.3 billion per year, with a point prevalence of 2–3.55 wounds per 1000 population (Moore et al, 2019). In 2015 and 2017, researchers explored the provision of wound care in the NHS, highlighting that many patients lacked an accurate diagnosis and had an inappropriate management plan (Guest et al, 2015; 2017). British Journal of Healthcare Management 2023 29 7 (198-203)

Frugal innovation in wound care: the five Rs

In their most recent study on the burden of wounds in the UK, Guest et al (2020) estimated that 3.8 million patients with wounds were managed by the NHS in 2017–18, costing £8.3 billion. The findings showed a 71% increase in the prevalence of wounds and a 48% increase in costs compared to 2012–13, along with a significant increase in the proportion of resources used to manage unhealed wounds (30% of all wounds) (Guest et al, 2015, 2017). British Journal of Healthcare Management 2023 29 7 (204-207)

Best Practice and Guidelines

Cochrane Library 2023

Tourniquet use for people with peripheral arterial disease undergoing major lower limb amputations

At least 7000 major lower limb amputations (MLLAs) are performed in the UK each year, 80% of which are due to peripheral arterial disease (PAD). Intraoperative blood loss can have a deleterious effect on patient outcomes, and its replacement with transfused blood is not without risk. Tourniquets can be used in lower limb surgical procedures to provide a bloodless surgical field, minimise intraoperative blood loss, and reduce perioperative blood transfusion requirements

Available from: cochranelibrary.com/cdsr/doi/10.1002/14651858.CD015232.pub2/epdf/full

Cochrane Library 2023

Interventions for motor rehabilitation in people with transtibial amputation due to peripheral arterial disease or diabetes

Amputation is described as the removal of an external part of the body by trauma, medical illness or surgery. Amputations caused by vascular diseases (dysvascular amputations) are increasingly frequent, commonly due to peripheral arterial disease (PAD), associated with an ageing population, and increased incidence of diabetes and atherosclerotic disease.

Available from: [Aledi et al-2023-Cochrane Database of Systematic Reviews.pdf](#)



Cochrane Library 2023

Interventions for reducing red blood cell transfusion in adults undergoing hip fracture surgery: an overview of systematic reviews

Following hip fracture, people sustain an acute blood loss caused by the injury and subsequent surgery. Because the majority of hip fractures occur in older adults, blood loss may be compounded by pre-existing anaemia. Allogenic blood transfusions (ABT) may be given before, during, and after surgery to correct chronic anaemia or acute blood loss

Available from: [Lewis et al-2023-Cochrane Database of Systematic Reviews.pdf](#)

Cochrane Library 2023

Fibrin sealants for the prevention of postoperative pancreatic fistula following pancreatic surgery

Postoperative pancreatic fistula (POPF) is one of the most frequent and potentially life-threatening complications following pancreatic surgery. Fibrin sealants have been used in some centres to reduce POPF rate. However, the use of fibrin sealant during pancreatic surgery is controversial. This is an update of a Cochrane Review last published in 2020

Available from: cochranelibrary.com/cdsr/doi/10.1002/14651858.CD009621.pub5/epdf/full

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