The following journal articles are available from the Library and Knowledge Service electronically or in print. Please follow links to access full text online, contact me to order copies, or call into your nearest library.

**A behaviour change package to prevent hand dermatitis in nurses working in health care: the SCIN cluster RCT.**
[Objectives: The Skin Care Intervention in Nurses trial tested the hypothesis that a behaviour change package intervention, coupled with provision of hand moisturisers, could reduce the point prevalence of hand dermatitis when compared with standard care among nurses working in the NHS. Conclusion: The intervention did not result in a statistically significant decrease in the prevalence of hand dermatitis in the intervention plus group.]
*Freely available online*

**Bispectral index for improving intraoperative awareness and early postoperative recovery in adults.**
Lewis SR. *Cochrane Database of Systematic Reviews* 2019;9:CD003843.
[The use of clinical signs, or end-tidal anaesthetic gas (ETAG), may not be reliable in measuring the hypnotic component of anaesthesia and may lead to either overdosage or underdosage resulting in adverse effects because of too deep or too light anaesthesia. Bispectral index (BIS) is a numerical scale based on electrical activity in the brain. Using a BIS monitor to guide the dose of anaesthetic may have advantages over clinical signs or ETAG.]

**Preoperative Anemia and Postoperative Mortality in Patients with Aortic Stenosis Treated with Transcatheter Aortic Valve Implantation (TAVI): A Systematic Review and Meta-Analysis.**
[Systematic review of the literature and meta-analysis showed that pre-procedural anemia reduced long-term mortality following TAVI. This finding supports the need to correct preoperative anemia in patients with aortic stenosis to improve patient outcome following TAVI.]
*Freely available online*

**Prophylactic antibiotics to prevent surgical site infection after breast cancer surgery.**
Gallagher M. *Cochrane Database of Systematic Reviews* 2019;9:CD005360.
[Infection rates for surgical treatment of breast cancer are documented at between 3% and 15%, higher than average for a clean surgical procedure. Pre- and perioperative antibiotics have been found to be useful in lowering infection rates in other surgical groups, yet there is no consensus on the use of prophylactic antibiotics for breast cancer surgery. This is an update of a Cochrane Review first published in 2005 and last updated in 2014.]
*Systematic review and meta-analysis: Physical-procedural interventions used to reduce pain*
during intramuscular injections in adults.
[It seems difficult to conclude that a single intervention reduces pain in adults. However, we can state that the most effective interventions for reducing pain during intramuscular injections in adults involve the ventrogluteal site, the Z-technique, and manual pressure.]
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**The effect of midazolam as premedication on the quality of postoperative recovery after laparotomy: a randomized clinical trial.**
[Administration of midazolam as premedication for laparotomy patients did not improve the quality of recovery up to one week after surgery. General prescription of midazolam as premedication can be questioned and might only suit some patients.]
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**The Effect of Perioperative Intravenous Iron on Hemoglobin in Surgical Patients: A Meta-Analysis.**
[This study supports that ferric carboxymaltose may increase the postoperative hemoglobin level in surgical patients. However, transfusion requirements could not be reduced by ferric carboxymaltose. Optimal dose and time should be further analyzed.]
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**The use of triclosan-coated sutures to prevent surgical site infections: a systematic review and meta-analysis of the literature.**
[Triclosan-coated sutures have been shown to significantly reduced the risk of SSIs when compared with standard sutures. This is in agreement with previous work in this area. This study represented the largest review to date in this area. This moderate quality evidence recommends the use of triclosan-coated sutures in order to reduce the risk of SSIs particularly in clean and contaminated surgical procedures.]
*Freely available online*

**Wound-Healing Following Negative-Pressure Wound Therapy with Use of a Locally Developed AquaVac System as Compared with the Vacuum-Assisted Closure (VAC) System.**
[The low-cost AquaVac system was shown to be comparable with the commercial VAC ATS system, suggesting that it is an effective and safe alternative method for NPWT in resource-challenged settings.]
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Reports

The following report(s) may be of interest:

The V.A.C. Veraflo Therapy system for infected wounds: Medtech innovation briefing.
National Institute for Health and Care Excellence (NICE); 2019.
https://www.nice.org.uk/advice/mib189
[The technology described in this briefing is the V.A.C. Veraflo Therapy system. It is used to promote healing in chronic and acutely infected wounds. The innovative aspects are that V.A.C. Veraflo Therapy system combines the use of negative pressure wound therapy (NPWT) and wound cleaning with topical solutions. Treatment is delivered in automated treatment cycles allowing wounds to be repetitively cleansed without the need for dressing removal.]
Freely available online

Wound care products: Key therapeutic topic.
National Institute for Health and Care Excellence (NICE); 2019.
https://www.nice.org.uk/advice/ktt14
[This document summarises the evidence base on wound care products. It is a key therapeutic topic that has been identified to support medicines optimisation. September 2019: Minor editorial changes have been completed. Links have been added to the NICE wound management topic page and the National Wound Care Strategy Programme for England.]
Freely available online

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