Stroke Bulletin

Articles

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.

Advantages of virtual reality in the rehabilitation of balance and gait: Systematic review.
[Our results suggest that VR-based rehabilitation is developing rapidly, has the potential to improve balance and gait in neurologic patients, and brings additional benefits when combined with conventional rehabilitation.]
Contact the library for a copy of this article

Association of General Anesthesia vs Procedural Sedation With Functional Outcome Among Patients With Acute Ischemic Stroke Undergoing Thrombectomy: A Systematic Review and Meta-analysis.
[In this individual patient data meta-analysis of 3 randomized clinical trials that included 368 patients with acute ischemic stroke in the anterior circulation, the use of general anesthesia during thrombectomy, compared with procedural sedation, was significantly associated with less disability at 3 months.]
Available with an NHS OpenAthens password for eligible users

CPAP as treatment of sleep apnea after stroke: A meta-analysis of randomized trials.
[CPAP use after stroke is acceptable once the treatment is tolerated. The data indicate that CPAP might be beneficial for neurologic recovery, which justifies larger RCTs.]
Contact the library for a copy of this article

Interventions for treating brain arteriovenous malformations in adults.
Zuurbier SM. Cochrane Database of Systematic Reviews 2019;9:CD003436.
[Brain arteriovenous malformations (AVMs) are the single most common cause of intracerebral haemorrhage in young adults. Brain AVMs also cause seizure(s) and focal neurological deficits (in the absence of haemorrhage, migraine or an epileptic seizure); approximately one-fifth are incidental discoveries. Various interventions are used in an attempt to eradicate brain AVMs: neurosurgical excision, stereotactic radiosurgery, endovascular embolization, and staged combinations of these interventions.]

Kinesio Taping for Balance Function after Stroke: A Systematic Review and Meta-Analysis.
Hu Y. Evidence-Based Complementary and Alternative Medicine 2019::8470235.
[Based on current evidence, KT was more effective than conventional rehabilitation for
balance function, lower limb function, and walking function in poststroke patients. Longer treatment duration may be associated with better effects. However, more well-conducted RCTs are required in the future.

Freely available online

Non-alcoholic fatty liver disease and risk of incident acute myocardial infarction and stroke: findings from matched cohort study of 18 million European adults.
Alexander M. *BMJ* 2019;367:l5367.
[To estimate the risk of acute myocardial infarction (AMI) or stroke in adults with non-alcoholic fatty liver disease (NAFLD) or non-alcoholic steatohepatitis (NASH).]

Reducing door-to-needle times in stroke thrombolysis to 13 min through protocol revision and simulation training: a quality improvement project in a Norwegian stroke centre.
[Conclusions: Implementing a revised treatment protocol in combination with in situ simulation-based team training sessions for stroke thrombolysis was followed by a considerable reduction in door-to-needle times and improved patient outcomes. Additional work is needed to assess sustainability and generalisability of the interventions.]

Safety and efficacy outcomes of double vs. triple antithrombotic therapy in patients with atrial fibrillation following percutaneous coronary intervention: a systematic review and meta-analysis of non-vitamin K antagonist oral anticoagulant-based randomized clinical trials.
[Double antithrombotic therapy, particularly if consisting of a NOAC instead of VKA and a P2Y12 inhibitor, is associated with a reduction of bleeding, including major and intracranial haemorrhages. This benefit is however counterbalanced by a higher risk of cardiac—mainly stent-related—but not cerebrovascular ischaemic occurrences.]
Freely available online

Wearable Ankle Robots in Post-stroke Rehabilitation of Gait: A Systematic Review.
[Preliminary findings suggest that wearable ankle robots have certain clinical benefits for the treatment of hemiplegic gait post-stroke. In the near future, a multicenter randomized controlled clinical trial is extremely necessary to enhance the clinical effectiveness of wearable ankle robots.]
Freely available online

Reports

The following report(s) may be of interest:

Would people at low risk of heart disease benefit from statin treatment?
NHS Behind the Headlines; 2019.
https://www.nhs.uk/news/medication/would-people-low-risk-heart-disease-benefit-statin-
In a new study, researchers from Ireland looked at the evidence for statins in people who do not already have cardiovascular disease. Most studies showed statins reduced the risk of having or dying from a heart attack or stroke, compared to people who did not take statins. But the researchers say the absolute benefit or risk depends on each person's own health and risk factors (baseline characteristics).

Freely available online

This Bulletin was created by Sian Hudson of NHS East Dorset Knowledge and

Need further help? The NHS Library & Knowledge Team is here to support the information needs of all NHS staff across Dorset. We're happy to help you with literature searches, search skills training and advice, keeping you up to date, and general references enquiries.

Contact us:
Telephone: 01202 442101/01202 704270
library@poole.nhs.uk library@rbch.nhs.uk
https://dorsetnhs.libguides.com

Register for OpenAthens to access e-resources: https://openathens.nice.org.uk/

To subscribe/unsubscribe from this bulletin please reply to the email.

By signing up to receive this bulletin, you agree that the information provided (your email address and name) will be held on NHS East Dorset Library and Knowledge Service files or databases. You will only be contacted by us in reference to this bulletin. By submitting this information you agree that your details may be used for this purpose. Your details will not be passed on to any third parties.