Stroke Evidence Update
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Contents:

NICE Guidance
New and Updated Cochrane Systematic Reviews
Good Quality Systematic Reviews
Economic Evaluations
Practice changing research, sourced from Dynamed
Miscellaneous sources
Stroke in the news – media stories explained
Latest Journal Table of Contents

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NICE Guidance

1) Atrial fibrillation: the management of atrial fibrillation

Thousands of strokes in people with common heart rhythm disorder are avoidable, says NICE

This guideline updates and replaces NICE clinical guideline 36 (published June 2006). It offers evidence-based advice on the care and treatment of people with atrial fibrillation.

New recommendations have been added for a personalised package of care and information, referral for specialised management, stroke prevention, rate and rhythm control and the management of acute atrial fibrillation.

New and Updated Cochrane Systematic Reviews

2) Computed tomography angiography or magnetic resonance angiography for detection of intracranial vascular malformations in patients with intracerebral haemorrhage
Authors’ conclusions: CTA and MRA appear to have good sensitivity and specificity following ICH for the detection of intracranial vascular malformations, although several of the included studies had methodological shortcomings (retrospective designs and partial verification bias in particular) that may have increased apparent test accuracy.

Practice changing research, sourced from Dynamed

3)  Stroke Rehabilitation

Updated 2014 Oct 13: Exercise gaming may not improve balance compared to conventional weight-shift training in patients with chronic stroke (Arch Phys Med Rehabil 2014 Sep) view update

4)  Stroke in Children

Updated 2014 Sep 29: In children with sickle cell disease and silent cerebral infarct, regular blood transfusions might decrease risk of overt stroke or silent infarct recurrence (N Engl J Med 2014 Aug 21) view update

Good Quality Systematic Reviews

5)  Carotid plaque MRI and stroke risk: a systematic review and meta-analysis

6)  Meta-analysis of clinical outcomes of intravenous recombinant tissue plasminogen activator for acute ischemic stroke: within 3 hours versus 3-4.5 hours

7)  Repetitive transcranial magnetic stimulation for the upper limb motor function improvement after stroke

8)  Effects of repetitive transcranial magnetic stimulation on hand function recovery and excitability of the motor cortex after stroke

9)  Social participation post stroke: a meta-ethnographic review of the experiences and views of community-dwelling stroke survivors

10) Systematic review and meta-analysis of randomized controlled trials of xingnaojing treatment for stroke

11) Commercial gaming devices for stroke upper limb rehabilitation: a systematic review

12) Safflower yellow for acute ischemic stroke: a systematic review of randomized controlled trials

13) Effect of ankle-foot orthosis on gait velocity and cadence of stroke patients: a systematic review

14) Hyperbaric oxygen treatment for post-stroke depression: a systematic review of randomized controlled trials

15) Diagnostic value of CT angiography and MR angiography for intracranial aneurysms: a meta-analysis
Economic Evaluations


17) Estimated medical cost reductions associated with apixaban in real-world patients with non-valvular atrial fibrillation

18) Cost-effectiveness of early detection of atrial fibrillation via remote control of implanted devices

19) Cost analysis of the stroke volume variation guided perioperative hemodynamic optimization – an economic evaluation of the SVVOPT trial results

Miscellaneous Sources

20) The face arm speech test: does it encourage rapid recognition of important stroke warning symptoms?

21) Identification of patients with a histologically unstable carotid plaque using ultrasonic plaque image analysis

22) Perioperative atrial fibrillation and the long-term risk of ischemic stroke

23) Risk score to predict hospital-acquired pneumonia after spontaneous intracerebral hemorrhage

Stroke in the news – media stories explained

24) Deep-fried Mars bars: no link with sudden stroke

Latest Journal Table of Contents

Cerebrovascular Diseases
Experimental & Translational Stroke Medicine
International Journal of Stroke
Journal of Stroke & Cerebrovascular Diseases
Stroke
Stroke Research and Treatment

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