An assessment of the cost-effectiveness of magnetic resonance, including diffusion-weighted imaging, in patients with transient ischaemic attack and minor stroke: a systematic review, meta-analysis and economic evaluation


Record Status
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Citation

Authors' objectives
Is MR with DWI cost-effective in stroke prevention compared with computed tomography (CT) brain scanning in all patients, in specific subgroups or as ’one-stop’ brain-carotid imaging? What is the current UK availability of services for stroke prevention?

Authors' conclusions
Magnetic resonance with DWI is not cost-effective for secondary stroke prevention. MR was most helpful in patients presenting at >1 week after symptoms if blood-sensitive sequences were used. ABCD2 score is unlikely to facilitate patient triage by non-stroke specialists. Rapid specialist assessment, CT brain scanning and identification of serious underlying stroke causes is the most cost-effective stroke prevention strategy.

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