Evaluation of the Edinburgh Motor Assessment (EMAS)

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The Edinburgh Motor Assessment (EMAS) was introduced in 2013 at the Anne Rowling Clinic in Edinburgh as a brief motor screening tool to assess motor dysfunction in dementia patients. It consists of 33 items, which are rated on a scale of 0 (no impairment) to 3 (significant impairment), and assigned to 1 of 4 motor domains (extrapyramidal, amyotrophic, cerebellar, or complex). EMAS is scored out of 99 points and on the basis of the distribution of data in normal controls an abnormal score is defined as a score higher than 14. On average EMAS takes 6min to complete in clinical practice, and it has been carried out for 226 patients.

4. Dimensionality of EMAS

1. Is there much need for EMAS in clinic practice?
2. EMAS appears to be a reliable tool with a valid multidimensional format
3. Motor impairments occur in patients with Alzheimer’s disease and frontotemporal dementias, but they do not appear to be diagnosis-specific

References