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 Correction
 Enlargement of the third ventricle and hyponatraemia in aneurysmal subarachinoid.

Matters arising

McArdle's sign in multiple sclerosis

Sir: Your readers may be interested in the background to the observation of increased pyramidal weakness with neck flexion in patients with spinal cord disease.1 This phenomenon was first brought to my attention in the mid-1960s by a patient with multiple sclerosis who was referred to me at the National Hospital, Queen Square. He had a marked spastic foot drop and had found that he could dorsiflex his foot if he fully extended his head.

I was able to confirm this observation and I also found that weakness of hip flexion, as tested by straight leg raising against resistance, which is usually the earliest sign of pyramidal weakness in the leg, was weaker on full neck flexion. I thought that this was the motor equivalent of L'hermitte's sign and due to stretch of the spinal cord in full neck flexion.

The effect of neck movement is often slight and therefore, hip flexion should be tested with the neck in full flexion and in full extension to show the difference.

I subsequently tried this test on a large number of patients and found that it could occur in any condition affecting the spinal cord, although most easily demonstrated in multiple sclerosis. It may even be found in patients with lesions of the lower thoracic cord such as a thoracic meningioma as low

as T11. I have observed it in patients with lesions at the foramen magnum, but not with lesions above this level. It is probably most useful in demonstrating weakness that would not otherwise be clearly evident.

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hyponatraemia in aneurysmal subarachrisid haemorrhage, by Wijdicks, van Dongen, 2an Gijn, Hijdra and Vermeulen (J New 2 Neurosurg Psychiatry 1988;51:516-20). 💆 🗖

Part of the last sentence of the second paragraph of the introduction was delete () & should read "Therefore, the relationship, between hyponatraemia and the size of the third ventricle was separately investigated

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