tion and embolism of atherosclerotic plaque) are likely to be less if the femoral artery is involved rather than the common carotid artery.

We agree with Drs Zhu and Norris that our data do not represent a personal audit, as does every other such series, but we emphasised that the "results from this study ... cannot be generalised to all medical centres but only used as an approximate guide. All medical institutions ... need to monitor their own results." Unlike the series of Dion et al, quoted by Drs Zhu and Norris, in which 100% angiographic studies were performed in patients with a whole spectrum of neurological disorders, our study was confined to patients with symptomatically mild cerebral or ocular ischaemia in the carotid distribution. Of the 1002 procedures studied by Dion et al, 285 (28.4%) were for "TIA/stroke" and the permanent neurological complication rate for these patients was 0.7% (95% confidence interval 0.1% to 2.5%); not significantly different from 1 to 2%; not significantly different from 1% to 2.5%; not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to 2.5%); not significantly different from 1% to

Matters arising


**Diaphragmatic weakness in hereditary motor and sensory neuropathy**

We were interested to read a short report on diaphragmatic weakness in hereditary motor and sensory neuropathy. Whilst the case reports were highly suggestive of diaphragmatic weakness, we were disappointed that the authors relied on clinical and indirect assessments rather than on quantitative measurements of diaphragm and respiratory muscle strength. The techniques for quantifying respiratory muscle function are now well described and can be used routinely in appropriate respiratory physiology laboratories. The measurements, which include those of maximum expiratory and inspiratory mouth pressures, of oesophageal and transdiaphragmatic pressures during maximal inspiratory manoeuvres such as an inspiratory sniff and during phrenic nerve stimulation, and of phrenic nerve conduction time, would be informative and comfort to the patient in less than one hour.

Diaphragm weakness has already been reported in hereditary motor and sensory neuropathy, and we were surprised to find no mention of these reports in the paper by Hardie et al. In our paper we reported two cases in which diaphragm dysfunction was proved and quantified using a full range of appropriate tests. In a third report, a patient who had died from the condition was found at necropsy to have identical neuropathic changes in the phrenic nerves as in the other peripheral nerves.

It is important to distinguish between diffuse respiratory muscle weakness and isolated diaphragm dysfunction. Isolated diaphragm paralysis has not been shown to cause significant maternal hypoxia or respiratory failure, as long as the patient does not sleep supine, or does not have other significant lung or chest wall disease. The majority of patients in the paper by Newsom Davis quoted by Hardie had diffuse neuromuscular disease, which would be expected to affect all the respiratory muscles as well as the diaphragm. It is interesting, however, that in the reported cases where respiratory muscle dysfunction has been quantified, hereditary motor and sensory neuropathy appears to predominantly affect the diaphragm, perhaps because of the length of the phrenic nerves. Only one of the patients described by Hardie et al had diaphragm weakness, and respiratory failure and she had smoked heavily. Use of discriminating tests of respiratory muscle function would have elucidated whether there was involvement of the other respiratory muscles or co-existing lung disease due to smoking.

**Books reviewed**


This book is about 'fits' and 'faints' and not primarily about epilepsy. It discusses the many ways in which non-epileptic attacks may sound like epilepsy. It is mainly about paediatric practice although this does not detract from its overall interest. Dr Stephenson emphasises Jeavons data which suggests that 20–30% of patients are erroneously labelled epileptic. None of us like the term 'known epileptic'; the dangers of a supposed positive family history of epilepsy are also stressed.

Most neurologists must have had doubts about their diagnosis of epilepsy in a few patients during follow-up. This may occur even after a confident initial diagnosis was made based on the patient's and witness's descriptions, cardiovascular and neurological examination, as well as EEG and ECG data. All are aware of the anoxic fit. However, my horizons about anoxic seizures have been widened as a result of reading this book. Dr Stephenson is to be congratulated on pursuing the art of history taking even further. The book is essentially clinical: it includes over 140 case histories which makes it fun for clinicians to decide what they would have diagnosed, although at times I think there may be unnecessary repetition.

Many neurologists will test for carotid hypersensitivity, especially in the elderly; few, I suspect, will use ocular compression with ECG and EEG monitoring in the assessment of anoxic seizures. The author clearly feels this is a useful test and it needs to be assessed further.

This book will be enjoyed by all neurologists who see blackouts!

PETER HUMPHREY