THE EDITORIAL COMMITTEE welcomes original papers, which should be addressed to the Editor, Journal of Neurology, Neurosurgery, and Psychiatry, BMA House, Tavistock Square, London WC1H 9JR. Papers are accepted on the understanding that the subject matter has not been and will not be published in any other journal. Papers should deal with original matter and the discussion should be closely relevant to this. Manuscripts should be typewritten in double spacing on one side of the paper only. Two copies (including figures and tables) should be submitted of which only one need be a top copy. A summary of about 50 words should appear at the beginning of each paper. The name(s) of the hospital or laboratory should also appear. Full postal address for correspondence and reprints should be supplied. Receipt of manuscripts will be acknowledged.

The Editor will welcome Short Reports or Preliminary Communications limited to about 1000 words and with no more than one figure and one table. Also welcome are Letters to the Editor.

ETHICS Ethical considerations will be taken into account in the assessment of papers (see the Medical Research Council’s publications on the ethics of human experimentation, and the World Medical Association’s code of ethics, known as the Declaration of Helsinki (see British Medical Journal 1964;2:177)).


ILLUSTRATIONS Photographs Unmounted photographs on glossy paper should be provided together with magnification scales when appropriate. Diagrams will be reduced to 2½ inches (68 mm) wide, occasionally to 5¼ inches (145 mm). Lettering should be in either Letraset or stencil and care should be taken that lettering and symbols are of comparable size. Illustrations should not be inserted in the text. They should be marked on the back with figure numbers, title of paper, and name of author. All photographs, graphs and diagrams should be referred to as figures and should be numbered consecutively in the text in Arabic numerals. The legends for illustrations should be typed on a separate sheet. Tables should be numbered consecutively in the text in Arabic numerals and each typed on a separate sheet. The format used in this issue of the Journal should be noted. Vertical lines will not be printed and usually there are only three horizontal lines in each table.

REFERENCES should be in the Vancouver style as in this issue. They should appear in the text by number only in the order in which they occur and should be listed on a separate sheet in the same order. Punctuation must be correct and journal titles should be in full or abbreviated in accordance with the Index Medicus. Thus: Millikan CH, Eaton LH. Clinical evaluation of ACTH and cortisone in myasthenia gravis. Neurology (Minneapolis) 1951;1:145-52. Penn AS. Immunological features of myasthenia gravis. In: Aguayo AJ and Karpati G, eds. Topics in Nerve and Muscle Research. Amsterdam: Excerpta Medica 1975:123-32. Coers C, Woolf AL. The innervation of muscle. A biopsy study. Oxford: Blackwell, 1951:16-24. A reference to unpublished work should not appear in the list but work “in press” may be included provided the name of the journal appears. The author is responsible for the accuracy of references.

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cured by decompression of the Chiari malformation shown by a second myelogram. Three patients with hypercapnia, one with frank papilloedema and haemorrhages, have led to a greater awareness of this cause of headache and of the sleep apnoea syndrome which may accompany it.

Of the 36 patients with ‘other’ cause for blackout, drugs were judged responsible in 23 and there were six cases of postural hypotension induced by antihypertensive therapy. Surprisingly only five patients had cardiac arrhythmia (Holter monitoring was negative in other suspects) and four had cough syncope. Nine had episodes of hypoglycaemia, either insulin-induced or reactive after abdominal surgery. Of neurological causes of blackout nine had transient ischaemic attacks, five idiopathic drop attacks and three the narcolepsy tetrad. No clue to these organic causes appeared in the referral letters. Twenty of 110 patients with an unremarkable story of simple fainting had a photosensitive response during EEG. The abnormality was limited to a polyspike-and-wave burst on photic stimulation at 10–30 Hz, not continuing beyond the time of the stimulus and usually shorter, and always suppressed by occlusion of one eye by the patient’s own hand.

The yield of organic disease from the patients with dizzy spells was unexpectedly high. Among the 33 whose dizzy spell was due to central vertigo was one patient with cerebral tumour, nine with an episode of demyelination and the rest had either vertebro-basilar disease or minor epilepsy. Benign paroxysmal positional nystagmus and vestibular neuritis were poorly recognised but relatively common disorders. Curiosities were two cases of Lermoyez’s syndrome (allergy, deafness and tinnitus culminating in a vertiginous bout from which the patient emerged with restored hearing) and one with the disputed syndrome known as Tumarkin’s otolithic crisis: a farmer with a long history of active middle-ear infection was looking over the rails at his cattle when he experienced “crynnu”—a goose walking over his grave—then found himself on the ground.

References


Erythrocyte deformability in multiple sclerosis

Sir: Brunetti et al1 have recently reported an elevation in whole blood viscosity in 36 patients with multiple sclerosis when compared with unmatched normal controls. In the absence of a significant difference in plasma viscosity or haematocrit between the two groups the authors attributed the rise to a reduction in erythrocyte deformability although this property was not examined. Ernst2 however, has pointed out that the relative viscosity does not always correlate with red cell deformability which moreover may have been affected by the steroid therapy the patients had recently received.

We have measured erythrocyte deformability in multiple sclerosis by microfiltration using a modification1 of the method of Reid et al.4 Samples from 15 patients (11 female and 4 male) with established disease in remission were compared with healthy age and sex matched controls. Subjects with a raised ESR, fasting blood sugar or fasting lipids were excluded as were those patients receiving steroids or other medication thought to influence red cell deformability.

No significant difference in the mean red cell deformability was detected between the patient and control groups, in either native plasma or saline (table).

Table Mean deformability index

<table>
<thead>
<tr>
<th></th>
<th>Plasma</th>
<th>Saline</th>
<th>HCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple sclerosis</td>
<td>0.54 ± 0.07</td>
<td>0.72 ± 0.09</td>
<td>40.7 ± 4.1</td>
</tr>
<tr>
<td>Controls</td>
<td>0.48 ± 0.06</td>
<td>0.71 ± 0.10</td>
<td>45.3 ± 2.6</td>
</tr>
</tbody>
</table>

A one day symposium entitled “The Guillain-Barré syndrome: recent advances” will be held at the historic Abbaye de Royaumont (near Paris) France on 20 September, 1982. For details and registration, contact Prof Gerard Said, Service de Neurologie, Centre Hospitalier de Bicêtre, 94270 Le Kremlin-Bicêtre, France.

Notice

The IXth International Congress of Neuropathology will be held in Vienna, 5–10 September, 1982. Address for enquiries: Dr H Lassmann, c/o Vienna Medical Academy, Alser Str 4, A–1090 Vienna, Austria.