Matters arising

MRI in Behcet's disease

Sir: The paper by Besana et al 1 underlines the contribution that MRI is making to a wide range of neurological illnesses, in particular multiple sclerosis.

We have recently reported a case of Behcet's in which a large midbrain mass on MRI with pressure effects disappeared after four months of steroid therapy.2 This finding has prompted us to add further to the discussion by Besana et al on the origin of high signal lesions on MRI in their two cases.

High signal on T2 weighted images may commonly result from increased rho (proton density), or increased T2. Both of these occur in experimental oedema1 and gliosis.4 The resolving lesion we observed was most likely due to oedema, which would be consistent with the predominantly venular inflammation that occurs in Behcet's.3 Demyelination per se does not alter MRI signal, as intact myelin makes no contribution to MRI signal.6 It is the replacement of myelin with extracellular fluid or gliosis which shows demyelinating lesions on MRI.

In our case the massive midbrain lesion produced surprisingly few symptoms. As in multiple sclerosis, lesions may occur with or without clinical manifestations.3 Lesions may also show apparent shrinkage and even disappearance on MRI,7 and dynamic serial GdDTPA enhanced MRI studies have now given an insight into the mechanisms of this process in MS.6 Further MRI studies are required to determine the significance of these MRI findings in Behcet's.

Treatments for torticollis

Sir: Until recently, pharmacotherapy constituted the major therapeutic approach to the management of torticollis, with surgery reserved as an intervention in a small number of cases. A variety of other therapies have also been used in the management of torticollis. However, no or little information about the effects of the majority of these alternative techniques has been available. We recently obtained information about the types and the effects of treatments undertaken by 72 patients with adult-onset idiopathic torticollis (Table). The treatments can be grouped into the two main categories of physical and relaxation-oriented therapies. Many patients had undertaken a large number of alternative treatments for their torticollis, an average of 4-4 treatments. At the two extremes, one male patient had had no treatment, and at the other, another male patient had undergone 11 different therapies.

No treatment was consistently effective. Thirty per cent of those who had received medication reported improvement. Eight of the 14 patients (57%) who had received surgery derived some benefit from it. The effects of relaxation-oriented therapies compared favourably with the physical therapies; the latter were considered helpful only by a minority of the patients. Using the data in the table as a base rate for comparison with efficacy data reported for botulinum toxin injection,1,4 it is evident that this most recent therapy for torticollis is also the most effective, and has resulted in improvement in 63-88% of treated cases.

Table  The number of patients who had received different treatments and their reports of the effect of the treatment.

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Number of patients who had undergone treatment</th>
<th>Effects of treatment</th>
<th>Percentage improved</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Better</td>
<td>Unchanged</td>
</tr>
<tr>
<td>Medication</td>
<td>69</td>
<td>21</td>
<td>48</td>
</tr>
<tr>
<td>Surgery</td>
<td>14</td>
<td>8</td>
<td>5</td>
</tr>
<tr>
<td>Physical therapies:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wearing collar</td>
<td>51</td>
<td>4</td>
<td>33</td>
</tr>
<tr>
<td>Physiotherapy</td>
<td>39</td>
<td>6</td>
<td>24</td>
</tr>
<tr>
<td>Acupuncture</td>
<td>29</td>
<td>5</td>
<td>22</td>
</tr>
<tr>
<td>Osteopathy</td>
<td>29</td>
<td>3</td>
<td>22</td>
</tr>
<tr>
<td>Chiropractic</td>
<td>13</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>Relaxation therapies:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hypnosis</td>
<td>19</td>
<td>3</td>
<td>13</td>
</tr>
<tr>
<td>Behaviour therapy (relaxation training, massed practice)</td>
<td>17</td>
<td>9</td>
<td>7</td>
</tr>
<tr>
<td>Biofeedback</td>
<td>7</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>Meditation</td>
<td>11</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Other: Homeopathy</td>
<td>15</td>
<td>1</td>
<td>12</td>
</tr>
</tbody>
</table>

Due to missing data, the figures in the "effects of treatment" columns do not always add up to the total number of patients who have had a particular treatment. The percentage improvement figures are therefore based on the number of patients who reported the effects of a particular treatment.

References


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