Assessment of neuropsychiatric symptoms in patients with systemic lupus erythematosus

Sirs,

We have read the article in which Tani et al. describe neuropsychiatric questionnaires useful in assessment of SLE patients (1) with great interest. The article constitutes a valuable review of methods useful in daily clinical practice. However, on the basis of literature and our significant clinical experience with SLE patient populations, we believe it is worth raising some additional questions related to the article discussed.

As has been noted by the authors, cognitive impairment is one of the most common neuropsychiatric (NP) manifestations in SLE patients. Its assessment and monitoring is recommended in routine clinical care (2). Thus, neuropsychological batteries with proved usefulness in the diagnosis of cognitive impairment in SLE populations are especially valuable. In our previous study involving numerous group of patients with SLE and neuropsychiatric SLE (NPSLE) we distinguished an 8-test first-choice battery, which occurred to be especially useful in detecting cognitive deficits in SLE patients (3, 4). Also, we excluded tests, the usefulness of which is limited in these patients. The results also seemed to reveal that the battery can be useful in preliminary differentiating SLE patients with neuropsychiatric manifestations and without them (3).

The battery assessing the mainly affected neuropsychological aspects in patients with connective tissue diseases. Another important aspect that should be highlighted in the context of neuropsychological assessment is the estimation of the patient’s general intellectual functioning as well as knowledge of premorbid IQ (5). As it is emphasised in the context of neuropsychiatric lupus syndromes, lack of normative data and results of previous neuropsychological examination (4, 5). Thus, neuropsychological batteries should include a method which allows assessment of general intelligence as well as an estimation of premorbid IQ. Inclusion of the WAIS-R Vocabulary subtest or the New Adult Reading Test meets these recommendations (3-5).

In their article, Tani et al. mentioned some limitations of the depressive symptom assessment in SLE patients using general questionnaires. Taking this into consideration, the Hospital Anxiety and Depression Scale (HADS) needs to be mentioned as it is one of the methods that proved useful in somatically ill patients (6). The main advantage of HADS is that it does not contain questions concerning somatic symptoms and, as a result, the probability of a false positive diagnosis is minimalised (7). HADS contains 14 questions (7 for depressive and 7 for anxiety symptoms). The scale has been widely used in SLE (3, 8-10) and NPSLE patients (3).

In conclusion, we found the article by Tani et al. very useful, especially from a clinician’s point of view. We also believe that our contribution constitutes an important addition to the original article. The lack of validation studies on particular methods and/or their language adaptations can hinder their common use. Thus, the wider the range of methods, the easier it would be for clinicians to choose the most suitable available method. Consequently, it would also enable research development and its methodological quality.

Table I. Eight-test first-choice neuropsychological battery for cognitive deficits diagnosis in SLE patients.

<table>
<thead>
<tr>
<th>Vocabularv subtest from Wechsler Adult Intelligence Scale-Revised (WAIS-R)</th>
<th>Trail Making Test, part A and B</th>
<th>Auditory Verbal Learning Test</th>
<th>Stroop Colour-Word Interference Test</th>
<th>Rey-Osterrieth Complex Figure Test</th>
<th>Benton Visual Retention Test</th>
<th>WAIS-R Digit Symbol</th>
<th>WAIS-R Block Design</th>
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References