



ASSESSMENT TOOLS FOR THE STUDY OF THE EFFECTIVENESS OF PHYSICAL EXERCISE INTERVENTIONS IN FUNCTIONALITY OF PEOPLE WITH MILD DEMENTIA

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Exercise is often proposed as a non pharmacological intervention in people with dementia, but evidence remains inconclusive about the effects on cognitive function. Several systematic reviews comment on the heterogeneity of the results due to the type and degree of dementia under consideration, the type of intervention exercise as well as the different assessment tools used [1,2].

Purpose it is to present assessment tools regarding the functionality of people with mild dementia in relation to therapeutic exercise and its effectiveness.

Methods and Materials

Presentation of functionality assessment tools for mild dementia (Alzheimer's Disease) that can be used for research and clinical purposes and facilitate physiotherapists in clinical decisions: Senior Fitness Test (SFT), Berg Balance Scale (BBS) and Instrumental Activities of Daily Living Scale (IADL). All the above tests have been proven valid and reliable in Greek population [3-71.

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The Senior Fitness Test (SFT) is a valid and reliable tool for measuring functional fitness for both healthy seniors and people with dementia (Fig.1). It is suitable for both research and clinical purposes. It is simple to use, does not require expensive tools or technical expertise and can applied in any clinical setting. The test includes six functional tests and takes about 30 -40 minutes to perform. Each test has accompanying performance standards for men and women aged 60 to 94 years [8].

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Figure 1. Senior Fitness Test (SFT)

The Berg Balance Scale (BBS) is a tool for assessment balance in the elderly. it has been tested for its reliability and validity in patients with various neurological diseases. The BBS assesses the static and balance capacity. It consists of 14 simple tests, which are often performed in daily activities (Fig.2). Subjects are graded on a scale of 0-4 depending on their ability to perform the required tests. The overall score ranges from 0 to

LAWTON - BRODY INSTRUMENTAL ACTIVITIES OF BAILY LIVING SCALE (LABL.)

56. The time required to complete all the tests is

15-20 minutes [5].

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The Instrumental Activities of Daily Living Scale (IADL) by Lawton - Brody, is an appropriate instrument to assess complex activities of the daily life of the elderly (Fig.3). It is also a valid and reliable tool for assessment functions, in both healthy elderly and elderly patients with dementia. Administration time is 10-15 minutes. There are eight domains of function measured with the Lawton IADL scale. Women score on all 8 areas of function, for men, the areas of food preparation, housekeeping, laundering are excluded. A summary score ranges from 0 (low function, dependent) to 8 (high function, independent) for women, and 0 through 5 for men [6,9-11].

Conclusions

The aforementioned functionality assessment tools are valid, reliable as well as easy and fast to use. These tools can be used for research and clinical purposes and facilitate physiotherapists (researchers and non-researchers) in their decisions.