

SICOLE-r: Evaluation (Computerized) of Cognitive Processes Involved in Reading. Portuguese Version

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Abstract

Introducing Sicole-R, Portuguese version and first data. The Sicole-r is a cognitive tool, a software platform for evaluation of dyslexia. Enables the diagnosis of cognitive budget deficits associated with dyslexia, in children. From video games, computerized form, it is possible the assessment/diagnosis of dyslexia. The SICOLE-R (cognitive system of reading) (version for children from 7 to 12 years) is a cognitive evaluation tutorial system of processes of reading, original in Spanish language. Is a computerized battery of assessment of cognitive processes of reading, in general, and dyslexia, specific. Is a tool with wide application and dissemination, currently being used on a large scale, filing, virtually the entire Spanish Kingdom, by education psychologists, fundamentally, while diagnostic strategy of capacities of children in compulsory schooling.

Is an example of new technologies applied to diagnosis of dyslexia. Is an integrated system, composed of 20 tasks for the syntactic modules (5 tasks), spelling (4), texts (2), phonological (5), the perception of speech (4) [Jietal07a]. Evaluates the lexical processing, perceptual and semantic-syntactic, and contains, in addition, knowledge evaluation modules: metalinguistic, syllabic and phonemic awareness and phonological awareness (syllabary and phonetic).