

## Plan Overview

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*A Data Management Plan created using DMPTool*

**DMP ID:** <https://doi.org/10.48321/D13H36>

**Title:** Intervenção sensório-motora no desempenho de leitura em crianças com dislexia

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**Funder:** São Paulo Research Foundation (fapesp.br)

**Template:** Digital Curation Centre

### **Project abstract:**

Reading is not a trivial task and involves cognitive aspects and mechanisms in order to identify letter and words and appropriate eye movements. Several strategies have been proposed and used aiming to reduce and minimize reading and writing difficulties in dyslexic children. Recently, reading performance was observed due to a computer-based oculomotor program and motor activity intervention. Unfortunately, the combine effect of these both interventions has not been observed in educational environment. Therefore, the purpose of this study is to examine the effect of a sensory-motor program intervention in reading, eye movement, and motor skills in dyslexic children in a multidisciplinary interventional center. Third children with dyslexia (8- to 12-years of age) will participate in this crossover study. Initially, children will be assessed (T1) in reading performance, eye movements, manual coordination, and postural control. Following, children will be divided into two groups with a group participating in a motor activity program and the other group in a computer-based oculomotor training, lasting 4 months. Children will undergo all the evaluations again (T2) and, then, the interventional programs will be switched. After 4 months, children will be evaluated again (T3). Comparisons among T1, T2, and T3 will be performed using analyses of variance (ANOVAs) and multivariate analyses (MANOVAs).

**Start date:** 03-01-2024

**End date:** 02-28-2026

**Last modified:** 01-22-2024

### **Copyright information:**

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## **Intervenção sensório-motora no desempenho de leitura em crianças com dislexia**

Children eye movement coordinates durante reading;

Neuropsychological tests

Motor performance tests

Eye movement coordinates will be collected using a comercial eye-tracking system during the task of reading. The Neuropsychological tests will be collected by specific professionals using the regular tests. Finally, motor tests will be obtained by applying specific tests (agility, fine motor coordination, and postural control).

Each participant's data will be organized in a directory named with participant's initials, preserving his/her private information. In each directory, information about the measurements and conditions will be stored

Children's parents will given written permission by signing a Consent Form prior to his/her son/daughter to participate in the study. Also, each child will given written permission by signing a simplified Consent Form adapted to children. All these documents and procedures will be approved by the Ethical Institutional Committee.

Data basis will be stored, preserved and disseminate through the UNESP Institutional Repository and allow open access to scientific use by UNESP researchers and students (<https://repositorio.unesp.br/?locale-attribute=en>)

Data will be stored and regularly saved using Google Drive made available by the UNESP. The researcher group will be responsible to perform backups and storage of the data. Upon the end of the project, the data basis will be made available, upon previous subscription, to the UNESP Institutional Repository.

Access to Google Drive and UNESP Institutional Repository will require password that will be manage by the project principal investigator

All data will be important and, therefore, will be retained for future possible use. Data organization will preserve participant's privacy and will be manage by the principal investigator.

Data will be preserved at least for 10 years upon the end of the project.

During the project execution, data will be published and made available through publication in scientific journal and also in presentation in Congress and Conferences. After the end of the project, data will be made available in the open access format, with the correspondent citation of their source. Also, the UNESP Institutional repository requires that any users fill out a form allowing track of the users of the data.

Considering that the information from this project and set of studies has potential to produce patent, access to the data will be made available partially and/or after going through all the procedures of publishing or patent recognition.

Data collection and analyses will be performed by students and professionals formally involved in the project at each of the specific project phases. All of these people will be coordinated and managed by the principal investigator. Finally, the principal investigator will be the responsible for any permission and made available to others after the end of the project.

All the resources are made available by UNESP. The Google Drive is part of the Google G. Suite available to UNESP researchers and the UNESP Institutional Repository is managed by the UNESP main office.

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