Plan Overview

A Data Management Plan created using DMP Tool

DMP ID: https://doi.org/10.48321/D13H36

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

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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: 07-08-2024

Copyright information:

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

Data Collection

What data will you collect or create?

Children eye movement coordinates durante reading;

Neuropsychological tests

Motor performance tests

How will the data be collected or created?

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).

Documentation and Metadata

What documentation and metadata will accompany the data?

Each participant's data will be organized in a directory named with participant's initials, preserving his/her private

information. In each directory, information abou the measurements and conditions will be stored

Ethics and Legal Compliance

How will you manage any ethical issues?

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.

How will you manage copyright and Intellectual Property Rights (IP/IPR) issues?

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)

Storage and Backup

How will the data be stored and backed up during the research?

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.

How will you manage access and security?

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

Selection and Preservation

Which data are of long-term value and should be retained, shared, and/or preserved?

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.

What is the long-term preservation plan for the dataset?

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

Data Sharing

How will you share the data?

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.

Are any restrictions on data sharing required?

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.

Responsibilities and Resources

Who will be responsible for data management?

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.

What resources will you require to deliver your plan?

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.