

INFORMED CONSENT: AUDITORY DISCRIMINATION

Monterrey Institute of Technology and Higher Education. Monterrey, Mexico

Applicant's Name:

A. Background & Aims

This procedure evaluates participant's auditory discrimination through electrophysiologic response (electroencephalography) to measure effects and performance before and after auditory training methodologies.

B. Procedures

The applicant will proceed to explain the methodology and run the data acquisition equipment. The participant will remain seated in a comfortable position. Applicant will place electrodes in participant's head. This procedure must not be painful in any moment. The applicant will also place headphones to participant. The participant can do any natural movement to remain comfortable, despite they do move drastically and can damage equipment integrity. The applicant will allow participant to indicate if a part of the procedure is uncomfortable or annoying to ensure their accordance during data collection.

C. Materials

The applicant has the equipment for carrying out the data collection (computer, amplifier, headphones, interface, and connections). Electrodes are small elements with conductive material that are positioned on the skin. The hat that is placed in on the head is made of fabric with synthetic polyester fiber. Headphones are supra-aural (which means they surround the contour of the ear) whose surface in contact with the skin is made of synthetic fibers.

D. Risks

The possible risks during the following test have been reduced to a minimum by ensuring the correct functioning and calibration of equipment and stimuli for carrying out data collection. The present study was approved by the Ethics Committee of the School of Engineering of the Tecnológico de Monterrey, Campus Monterrey. At any time in which the participant encounters a significant risk that threatens his or her person and/or physical or emotional integrity, he or she may choose to abandon the procedure. Risk control and measures against incidents will be carried out in accordance with the security regulations of the Tecnológico de Monterrey. The probable risks are listed below:

- Allergies to equipment materials.
- Mild discomfort when placing and/or removing the electrodes on the surface of the scalp.
- Exposure to auditory stimuli that could be annoying.

E. Confidentiality

By means of this document, the participant agrees not to disclose, in whole or in part, the data collection procedure or the data in this document. The applicant undertakes not to disclose all, or part of the personal data requested from the participant during the data collection procedure.

F. Voluntary Participation

The applicant acknowledges that they will undergo the procedure described in this document voluntarily, being of legal age and being able to establish and exercise this agreement. The participant acknowledges that he was not forced to participate, under any circumstances, against his will by the applicant or through a third party to carry out this procedure.

G. Participant Benefits

As part of carrying out this procedure, the participant will have the right to receive a copy of their audiometry performed, as well as information to participate in the continuation of this experiment as part of the applicant's doctoral project. This right does not guarantee direct participation in the applicant's doctoral project experiment. The right is reserved to include or exclude the participant in the future follow-up of the experiment. They will also participate, according to their performance in auditory training, in rankings to receive prizes related to the auditory training game and/or cash prizes.

By signing this document, the participant agrees to fully understand each of the points mentioned above and agree to carry out this procedure.

Participants Name:

Participants Age:

Gender:

Date:

Participant's Name and Signature

Sergio Alberto Mora Camargo
Applicant's Name and Signature