



INSTRUMENTACIÓN BIOMÉDICA II - 16.18
INSTITUTO TECNOLÓGICO DE BUENOS AIRES

Informe final - Computarized Auditory Brainstem Response Audiometry (C.A.B.R.A)



Profesor(es): Gustavo Panza
Ramón Igarreta
Franco Perez Rivera

Alumnos: Lucas Franzi
Gonzalo Grau
Josué Laszeski

Fecha de entrega: 17/12/2024

Índice

1. Introducción	3
2. Materiales y métodos	3
3. Resultados	3
4. Discusión	3
5. Conclusión	3
6. Anexos	4

1. Introducción

[1]

2. Materiales y métodos

3. Resultados

4. Discusión

5. Conclusión

6. Anexos

Referencias

- [1] M. R. a. News, “ABR Hearing Screening Device Market By Type, By Application, By Geographic Scope And Forecast.” [Online]. Available: <https://www.marketresearchandnews.com/report/abr-hearing-screening-device-market/>
- [2] G. V. Békésy, “A New Audiometer,” *Acta Oto-Laryngologica*, vol. 35, no. 5-6, pp. 411–422, Jan. 1947. [Online]. Available: <http://www.tandfonline.com/doi/full/10.3109/00016484709123756>
- [3] S. H. Habib and S. S. Habib, “Auditory brainstem response: An overview of neurophysiological implications and clinical applications -A Narrative Review,” *JPMA. The Journal of the Pakistan Medical Association*, vol. 71, no. 9, pp. 2230–2236, Sep. 2021.
- [4] “What Is an Audiogram and How To Read It.” [Online]. Available: <https://www.hear.com/resources/hearing-loss/what-is-audiogram-how-to-read-it/>
- [5] D. Silva and I. G. Araujo, “Objective estimation of loudness growth using tone burst evoked auditory responses,” 2009. [Online]. Available: <https://repository.library.northeastern.edu/files/neu:1362>
- [6] C. Keskinoglu and A. Aydin, *Audiometer Design and Test With Bone Conduction Headphones for Engineering Education (MÜHENDİSLİK EĞİTİMİ İÇİN ODYOMETRE TASARIMI VE KEMİK İLETİMLİ KULAKLIK İLE TESTİ)*, Jan. 2024.
- [7] A. Young, J. Cornejo, and A. Spinner, “Auditory Brainstem Response,” in *StatPearls*. Treasure Island (FL): StatPearls Publishing, 2024. [Online]. Available: <http://www.ncbi.nlm.nih.gov/books/NBK564321/>
- [8] H. Shojaemend and H. Ayatollahi, “Automated Audiometry: A Review of the Implementation and Evaluation Methods,” *Healthcare Informatics Research*, vol. 24, no. 4, pp. 263–275, Oct. 2018. [Online]. Available: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6230538/>
- [9] A. M. Husain, “Guideline 9C: Guidelines on Short-Latency Auditory Evoked Potentials,” 2008.