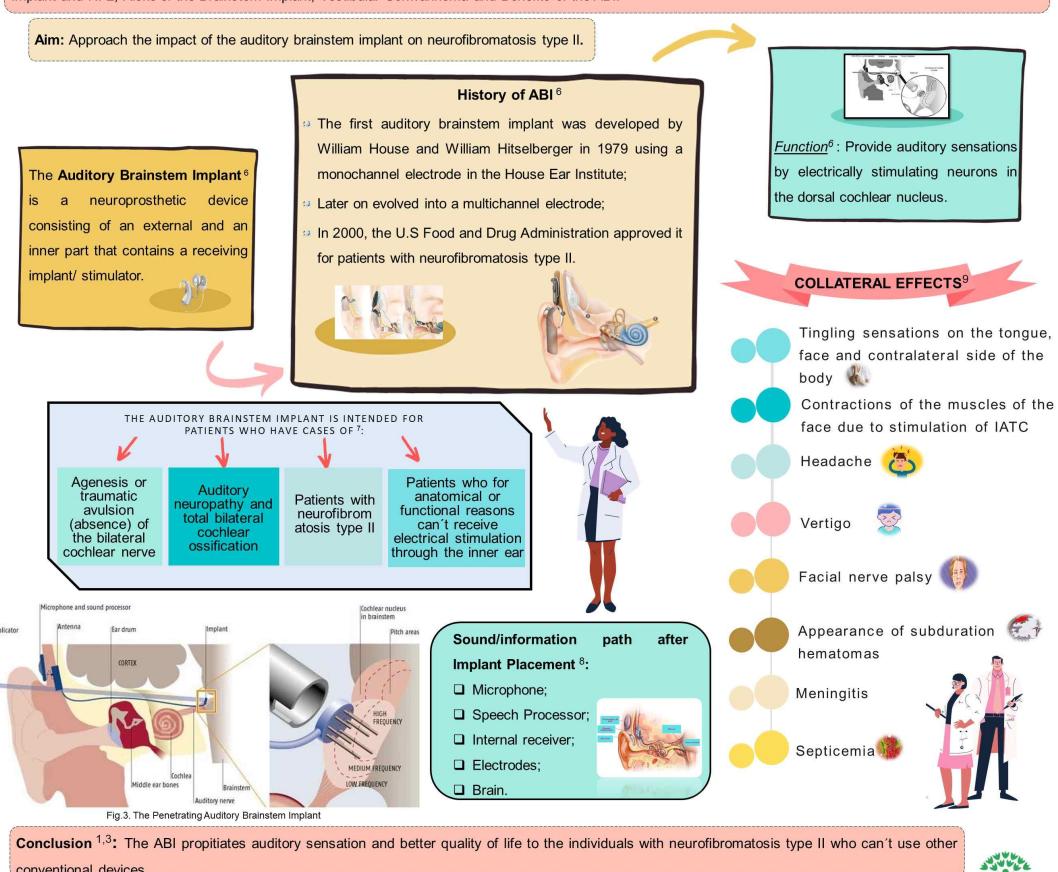
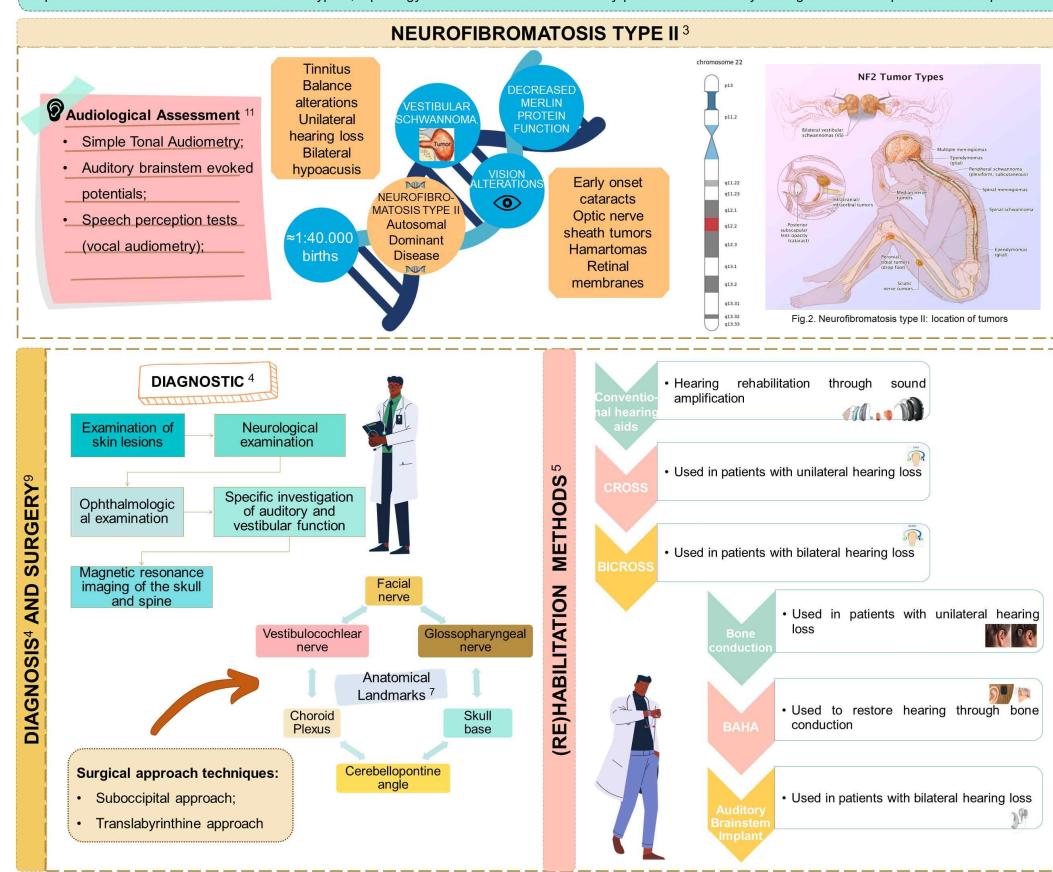


Poster 127

Background^{1,2}: The auditory brainstem implant (ABI) is a device used in patients with progressive sensorineural hearing loss which helps restore hearing, namely on patients who suffer from neurofibromatosis type II, a pathology in which the cochlear nerve may present itself severely damaged due to the presence of neoplasms.

Methodologies: Via the databases PubMed, b-on, SciELO and Academic Google, using the keywords: Brainstem implant; Neurofibromatosis Type II; Brainstem Implant and NF2; Risks of the Brainstem Implant; Vestibular Schwannoma and Benefits of the ABI.



References

1. Moretto, T.A., Coiffard-Quinton, M. I.S., Velloso, R. C., Grinche, M. O., Ferri, F., Martins, G. P., Prina, M. H., Bentz, R. F., Monteiro, A. B. & Andrade, C.N. (2011) Período Auditivo Neurosensorial: Tratamento. *Associação Médica Brasileira e Conselho Federal de Medicina*, 3. Peña A, D'Alvino, J. & Silveira M. (2016) Neurofisiologia clínica. *Parte II*. A proposta de aplicabilidade. *Revista Portuguesa de Otorrinolaringologia e Cirurgia Cérvico-Facial*, 54 (3), 187-191. DOI: 10.24831/rptorl.2016.025.4. Carrasco, P., Prete, Kiesewetter, H., Weruaga, H., Noguchi, H. (2002). Options and strategies for hearing restoration in pediatric neurofibromatoses type 2. *Child's Nervous System*, 18, 241-247. Wong, K., Lai, C., Goh, E., Denner, K., Yamamoto, V., Vachourches, N., Miller, J., Lacour, S., Brown, M. & Lee, D. (2013). Progress and Future Perspectives. *Frontiers in Neuroscience*, 13, 10.1371/journal.pone.0061161. Maerz, J. & Cen, J. & Cejvo, V. (2006). Implanto Auditivo de Tronco Cerebral em Tratamento da hipopausia sensorial neural. *Revista de otomicrocirurgia e cirurgia de cabeça e cuello*, 66 (3), 258-268. Santos, S. N. D. & Tochetti, T. (2007). Implant Auditivo de tronco encefálico - revisão de literatura. *Revista CEAPC*, 9(4), 545-549. 9. Sieghahn, M., Lundin, K., Olson, G. B., Stilleby, G., Klinntors, A., Rass-Andersen, H. & Nyberg, G. (2014). Auditory brainstem implants (ABI)-20 years of clinical experience in Uppsala, Sweden. *Aclé otorrinolaringologia*, 134 (10), 1052-1061. Maerz, J. (2017). Implante auditivo de tronco encefálico em pacientes com perda auditiva neurosensorial profunda e classificação coclear total bilateral. (Tese apresentada à Faculdade de Medicina da Universidade de São Paulo).

Imagenes: <https://www.mdpi.com/1422-0067/22/2/690>; <https://www.newscientist.com/article/dn4540-first-brainstem-implants-aim-to-tackle-deafness/>; <https://www.sciencephoto.com/media/797314/view>; <https://rsauda.com.br/tubarao/material-roca-conhece-a-protesis-osteo-anorada-baha/20404>; <https://implanteoclear.ufes.br/pr%C3%b3tese-de-conduto%3A%7C%3B3teses-de-conduto%3A%7C%3B3seas/>; <https://bioprosteselhorenhoes.hoorteststellen.nl/uniron/>