“We Teddy”: a device used to lead, connect and guide speech pathologists, audiologists and caregivers during and after aural habilitation/rehabilitation management sessions.

B.S Weaam Z. Al-Ameer, KSA

Abstract:

Speech language pathologists usually experience some significant difficulties during the aural habilitation/rehabilitation management sessions. As we all know, there is a connection between the SLP and the audiologists in the management of individuals with hearing impairment. One of the main concerns the SLP’s have is the lack of direct contact with audiologists, who are responsible for the results of the hearing level (audiogram) and the ear pressure (tympanogram) of the client. Moreover, both tests are considered the base of the habilitation/rehabilitation program. To manage this issue, every “We teddy bear” has a memory card to save all the client’s data with the audiologist and the SLP. To illustrate, the audiologist will save both audiogram and tympanogram results on the memory card, the SLP will save the first stage of the rehabilitation program such as (detection, discriminations of the sounds..etc.) a plan that suits each client. Here we can share the plans of the audiologist and the SLP with the caregiver, to be aware of the child/adult progress and review them at home.

We teddy will have two sizes. The original size will be for the clinicians to use at the clinic as a remainder of the last session plans or to review the basics steps of the rehabilitation/habilitation according to the client’s status. Furthermore, it can check the audio, tymp results and use it as reinforcement for the child to play with. The other size will be much smaller, having the memory card only; it will be easy for the caregiver to carry it as a key chain. To sum up, We teddy will keep the specialists updated and connected with each other about the client’s case and will help the caregiver review the plans at home.

Image:

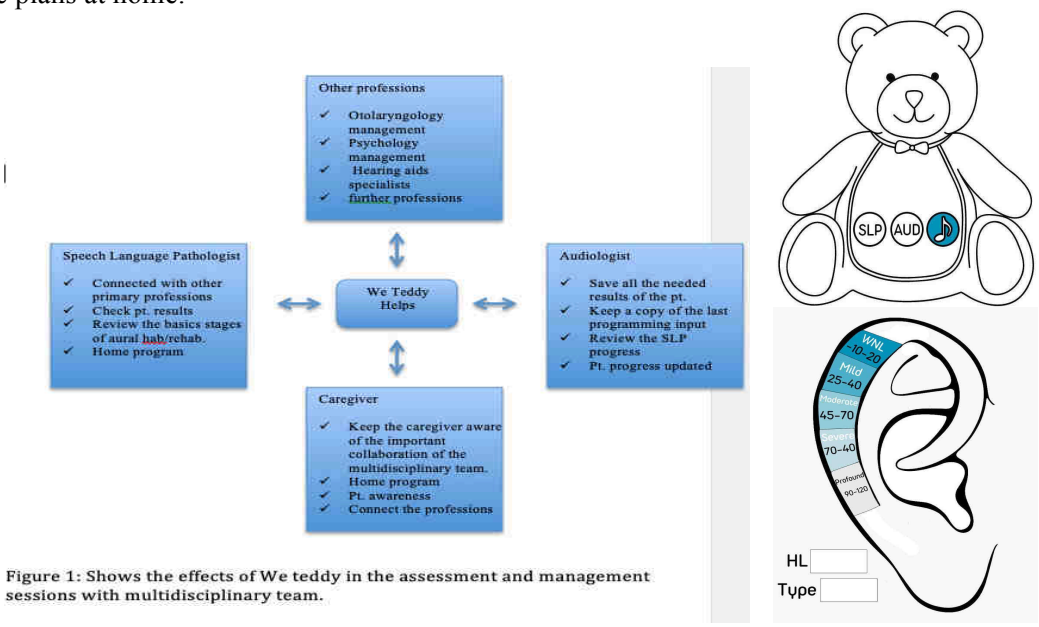
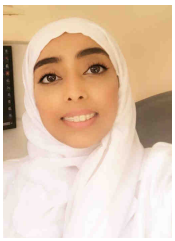


Figure 1: Shows the effects of We teddy in the assessment and management sessions with multidisciplinary team.

Recent Publications:

1. Tye-Murray, N. (2014). *Foundations of Aural Rehabilitation*. Stamford, CT: Cengage Learning.
2. Boothroyd, A. (2007). Adult Aural Rehabilitation: What Is It and Does It Work?. *Trends In Amplification*, *11*(2), 63-71. doi: 10.1177/1084713807301073
3. Peterson, M., & Bell, T. (2008). *Foundations of audiology*. Upper Saddle River, N.J.: Pearson Merrill Prentice Hall.
4. Team Hearing. (2020). Retrieved 16 March 2020, from https://leader.pubs.asha.org/doi/10.1044/leader.AE.22082017.36
5. Falkenberg, E. (2007). Holistic Aural Rehabilitation: a Challenge. *Scandinavian Journal Of Disability Research*, *9*(2), 78-90. doi: 10.1080/15017410701201329

Photograph



Biography:

Weaam Alameer earned her bachelor's degree in Speech-Language-and Hearing Sciences from Dar Al-Hekma University in June, 2017 Jeddah, KSA. She's a speech therapist who has her experience in both field's speech and audiology. As a speech therapist her responsibility is to implement an effective assessment, counseling and management that will help her clients to raise awareness and acquire new skills. She's also passionate about creating new ways of assessment and treatment that will help the clinicians and the patients to achieve better results at every therapy session.

Email: weaamalameer@gmail.com