

Which conditions are treated with speech therapy?

Speech therapy can benefit anyone with a

1. Communication Disorder,
2. Hearing Impairment,
3. Aphasia,
4. Children with Speech and Language Delays,
5. Autism Spectrum Disorders
6. ADHD,
7. Stuttering
8. Voice disorders
9. Apraxia of Speech
10. Swallowing Disorders

The Use of Digital Technology in Speech-Language Pathology:

Studies have found that children who need speech therapy have the most success when they start it early and practice at home. There are many traditional speech therapy techniques. Various electronic tools have been shown to have the potential to aid and enhance speech and language therapy, in both assessment and intervention. There is emerging evidence for the effectiveness of Computer Based Speech Therapy for children with Speech and language disorders, with the level of evidence reported as “Moderately Strong”. In the view of the above context and the flow of the patients from past three years in CRC, there arises a need to start a computer-based speech therapy and assessment/ evaluation methods to bring better and faster improvement or progress of the speech and language skills of children with developmental delays.

The Speech and Hearing Department in CRC-Nagpur is functional since 2017, and there are many beneficiaries attending speech therapy sessions. However, it has been observed for need of upgrading the therapy sessions to the use of technology. The Dr. Speech software is one of its kind which would use over 70 voice-activated video games to provide real-time reinforcement of a client's attempts to produce changes in pitch, loudness, and voicing, voicing onset, maximum phonation time, sound, vowel tracking and phonetic exercise. Children, in particular, enjoy therapy with this colorful, interactive, game-like software because they receive immediate biofeedback on their performance. Clinicians will enjoy the versatility and some unique features of the program. For example, while a boy is playing a game, clinician can quickly review the graphical display or statistical data of his performance.

Dr. Speech - products provide professional voice and speech analysis, feedback, and documentation, in addition to fun and engaging games and activities. This software will definitely improve the prognosis of the patients coming to the speech and hearing department. Apart from this the instrument will further help in researching different speech and hearing disorders and bringing in evidence-based treatment approaches for the children and can widely use for better prognosis and for creating a better inclusive society for the persons with disabilities.

Why Choose Dr. Speech?

- **Made by Professionals:** Our software and products are created by professional speech therapists.
- **Easy-to-Use:** the company cares about user's experience and constantly work towards making products more comfortable and easier to use.
- **Fun and Engaging Games:** These programs are great for maintaining children's attention and providing them a fun way to therapy.
- **Therapy = Anytime, anywhere:** Dr. Speech Online Platform can be used from the comforts of your own home to hospitals and clinics.
- **Be Involved in Your Loved One's Progress:** Allowing families to actively support and work alongside their loved ones.
- **Maintain Previous Progress:** Used to maintain and build upon previous progress from therapy sessions, beyond standard available care. Can be used both for adults and kids.

Expected outcome:

This would definitely improve the patient flow in CRC, Nagpur and also would contribute to the research development in CRC, Nagpur. Also, it is a software where speech therapy can be used in an entertaining and interactive game-like software that provides real-time reinforcement and feedback on performance and Vocal Assessment of most of the developmental disabilities. This will definitely help in creating an accessible and inclusive society for the persons with disabilities.

