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Listening Training – CAPD Module

Listening is one of the most important skills any individual can have. Listening has a major impact on the effectiveness of communication and in turn quality of life. Listening is a skill that we all can benefit from improving. This module consists of several activities to enhance the listening skills in individuals with compromised hearing skills, specifically Hearing impairment and Central auditory processing disorder. All the activities are timed, so the individuals are expected to perform them as quickly and accurately as possible.

Backward Span: The sequence of alphabets/ numbers is presented through auditory mode. The individual has to listen and type the sequence in backward direction in the space provided. This activity helps to improve auditory attention and memory skills.

Dichotic: Two alphabets/ numbers are presented to right and left ear. The individual has to listen to both the stimuli and type them in the space provided. This activity helps to train binaural integration, auditory attention, and memory skills.

Duration Perception Test: Two tones of different length (long and short) are presented in random sequence (long-short or short-long). The individual has to listen and perceive the sequence of the tones based on the duration following which the right option needs to be chosen. This activity helps to improve auditory perception and focused attention skills.

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Forward Span: The sequence of alphabets/ numbers is presented through auditory mode. The individual has to listen and type the same sequence in the space provided. This activity helps to improve auditory attention and memory skills.

Gap detection test: A one tone will be presented, which will have a gap. The individual has to listen this tone and detect the one which has a gap, and click on Yes, No answer.

The tone will be presented in various frequencies and white noise with gap of 50ms to 100ms, 20ms, 10ms, 5ms. At the end of activity the scoring will be displayed. This activity helps to improve auditory perception and focused attention skills.

Math Span Test: The activity requires the individuals to perform simple mathematical operations such as addition, division, and multiplication. The individuals have to listen to the numbers presented and perform the mathematical operation of their choice. The answers have to be typed in the space provided. This activity helps to improve auditory perception, focused attention, and calculation skills.

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Pitch Perception Test: Three tones will be presented with different frequencies (high and low) in a random sequence. The individual has to listen to all the three tones and perceive the sequence of the frequencies. The order of the frequencies has to be chosen from the options provided as shown in the figure below. This activity helps to improve auditory perception and focused attention skills.

Speech Discrimination Test: Two samples (words/numbers) will be presented through auditory mode. The individual has to listen to the samples and judge whether the two are same or different. This activity will improve auditory perception and discrimination skills.

Speech Identification Test: Auditory speech samples (letters/ numbers/ words) will be presented. The individual has to listen and identify them following which they have to type it in the space provided. This activity will help to improve auditory attention, identification, and memory skills.

Speech in Noise Test: Auditory speech samples (letters/ numbers/ words) will be presented in the presence of background noise. The individual has to listen to the sample and identify them following which they have to type it in the space provided. This activity will help to improve auditory perception, selective attention, and inhibition skills.

Further Details
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