

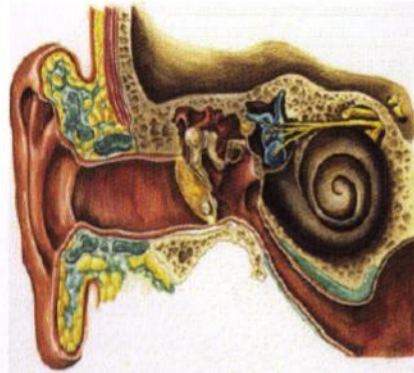
## Can my child benefit from auditory intervention?

People of all ages, from infants to mature adults, can benefit from an auditory intervention program. Parents should consider auditory intervention if their children have any of the following:

- Developmental delays
- Speech & language problems
- Sensory integration dysfunction
- Central Auditory Processing Disorder
- AD/HD
- Dyslexia
- Learning disabilities
- Reading and spelling challenges
- PDD-NOS
- Autism Spectrum Disorder
- Emotional or behavioral concerns
- Hearing loss
- History of ear infections
- Down Syndrome
- Cerebral Palsy
- Brain Injury

Auditory Intervention can improve:

- Articulation
- Attention
- Ability to follow directions
- Auditory comprehension
- Vocal quality
- Organization, balance and coordination
- Language and communication
- Sleep
- Reduced sound sensitivity
- Frustration tolerance
- Sensory integration
- Learning



Currently offering  
Samonas Auditory Intervention  
and  
The Listening Program®

*For more information or to schedule  
an appointment, contact:*

The Alcott Center  
for Cognitive  
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## AUDITORY INTERVENTION



The Alcott Center  
for Cognitive  
Enhancement

Lynn Carahaly, M.A., CCC-SLP

## Why Auditory Intervention?

The auditory system is like the "captain" of the sensory team. It is the first system to function in utero and it is the system that allows the sensory team to work efficiently. When the auditory system is weak, it can affect the integration of information being fed to the brain and the nervous system by the other senses. When auditory perception is distorted - whether through illness, injury, developmental or other challenges - auditory processing problems can lead to academic, emotional, cognitive and social challenges.

The ear is tied-in to the vestibular system (balance and movement), so coordination, visual-motor skills, sensorimotor integration, handwriting, spatial awareness, and body organization can likewise be affected by weak auditory processing.

Auditory Intervention uses scientifically and artistically structured classical music, voice and nature sounds to provide direct stimulation to the middle ear, cochlea, auditory nerve, vestibular system and cerebral cortex. It also provides indirect stimulation to the entire central nervous system.

Our research-based Auditory Intervention programs are facilitated by our Pediatric Speech-Language Pathologist. Treatment is provided in a series of compact discs and periodic consultations, and is done in the place where your child is most comfortable: your home.

## Samonas Auditory Intervention

Samonas Auditory Intervention is an individualized sound therapy program developed through 20 years of research by Ingo Steinbach, a German sound engineer with a broad background in music, physics and electronics. Samonas combines music, sound and science in specialized recordings which train the auditory system to allow the full range of sound to be processed without distortion, hypersensitivity or frequency loss.

Samonas Auditory Intervention stimulates the neural pathways into and within the brain. It uses music, voice and nature sounds that have been specially filtered to enhance the sounds that are most effective in stimulating the brain's processing regions - the high frequency overtones. The high frequency sound matrix of the content enhances alertness in the temporal lobe of the human brain; data indicates that this improves overall neurological function and hemispheric communication. Also, behavioral and emotional concerns can be treated by various compositional and intermediation selections.



## The Listening Program®

The Listening Program (TLP) is a unique auditory intervention program that combines decades of clinical research in areas such as neurology, auditory processing, physiology, psychoacoustics and music theory, and builds on the work of respected leaders such as Alfred A. Tomatis, M.D., who helped identify the relationship between sound frequencies and their effect on functions of the mind and body.

TLP uses "psychoacoustically modified classical music," carefully designed and produced exclusively for The Listening Program. The recordings are created using live musicians, and the compositions are arranged to take advantage of different frequencies, tempo, and other factors to stimulate different parts of the brain and different functions in the auditory processing system. This enables the brain to better receive, process, store and utilize the information presented to it through the varied sounds we encounter every day.

