

Bone Conduction Therapy

Offered through Sharper Mind Centers® Inc.
503-641-5707; 1-866-HELP-A.D.D.
Beaverton location only

The Listening Program® Bone Conduction System (TLP BCS) is a new and exciting delivery system for Music-Based Auditory Stimulation™ available exclusively through TLP Certified Providers in the health and therapeutic disciplines.

You are familiar with how sound passes through the air. What is not so familiar is how sound passes through bone, and the benefits of auditory stimulation therapy incorporating TLP Bone Conduction.

What is Bone Conduction?

We listen to our own voice through bone conduction, while we listen to other sounds and voices through the air. If you have ever listened to a recording of your own voice, you know how much different you sound in the recording from how you normally hear your voice.

As we speak our entire body resonates due in part to the speed in which sound travels through bone. We mostly hear our own speech through the influence of the bone conduction pathway.

Audiologists at times use bone conduction perception in relation to air conduction as an important diagnostic tool for certain hearing problems and listening functions.

How Bone Conduction Works

The inner ear is encased within the temporal bone which resonates when stimulated by sound, providing direct stimulation to the cochlea (see graphic) and vestibular (balance) system. The bone conduction pathway is most efficient in transmitting low frequency sounds. This makes a TLP BCS program of particular value for those with issues such as: **body image, self regulation, time and spatial issues, motor skills and the rhythm of body and language.**

Further, problems relating to the functioning of the middle ear as observed through: **anxiety, hypersensitivity to sound, listening discrimination, filtering out background sound and poor vocal control will also benefit.**

The TLP BCS delivers auditory stimulation through headphones with standard air conduction to the right and left ears. In addition, more amplified sound is delivered to the skull through a tiny speaker or transducer which rests on top of the skull within the headband. By applying vibrations directly to the skull, the inner ear receives rapid stimulation by-passing the middle ear, prior to receiving it through the air conduction route. This experience is subtle, very calming and integrative to the senses. The brain is prepared and seems more ready to receive auditory input. This appears to be of particular benefit to those who are disconnected from or resistant to sound such as children on the **autism spectrum**. It is amazing how clearly you can listen to the music though bone conduction only; people are fascinated when they first experience it!

Bone conduction is essentially an added form of stimulation to the cochlea and vestibular system and is more intensive and therapeutic than air conduction alone. The increased input is observed to accelerate positive therapeutic changes.

THE LISTENING PROGRAM®

