STUDIES SHOW

Accelerated brain shrinkage

in older adults with hearing loss.

Untreated hearing loss takes a toll.

How do ears and the brain work together?

The ears receive sound, sending it to the brain as electrical signals for processing. In addition to interpreting the sounds, the brain helps orient the listener to them and works to separate relevant information from competing noise.

What's the link to brain shrinkage?

Hearing loss, a dementia risk factor, deprives the brain of sounds, makes the brain work harder to process incoming signals, and reduces its capacity for other functions. Some brain atrophy can naturally occur with aging but may accelerate with hearing loss.

Why refer to a hearing care professional?

Treatment with hearing aids is associated with better brain processing and an improved quality of life. Our highly trained team can address all levels of hearing loss for your patient's optimal hearing health and provide you a report of our findings.

6 signs your patient may need hearing care

- ☐ Ringing in the ears (tinnitus)
- ☐ Trouble understanding speech
- ☐ Decreased social engagement
- ☐ Difficulty listening in crowds
- ☐ Frequent requests to repeat words
- ☐ Dementia diagnosis or other cognitive issue

FAST FACTS

Older adults with hearing loss may experience thinking and memory problems 30% to 40% faster than their standard-hearing age peers.

Hearing aids and audiologic counseling together delayed deterioration of thinking and memory by nearly 50% among older adults at greater risk of cognitive decline.

Hearing loss goes hand in hand with loneliness and social isolation, which increase the odds of dementia and earlier death.

Straining to hear involves brainpower and can lead to exhaustion, a cycle that can tax a patient's ability to think and remember.

We can help your patients stay sharp and engaged through improved hearing. For more information or referrals, please contact us today. 516.387.4000

National Library of Medicine. *Lin FR et al. Association of Hearing Impairment With Brain Volume Changes in Older Adults. NeuroImage.* ***Frontiers in Neuroscience.*** *Glick HA, Sharma A. Cortical Neuroplasticity and Cognitive Function in Early-Stage, Mild-Moderate Hearing Loss: Evidence of Neurocognitive Benefit From Hearing Aid Use.* ***Johns Hopkins Medicine.*** *Hearing Loss Accelerates Brain Function Decline in Older Adults.* ***The Lancet.*** *Lin FR. Hearing Intervention Versus Health Education Control to Reduce Cognitive Decline in Older Adults With Hearing Loss in the USA (ACHIEVE): A Multicentre, Randomised Controlled Trial.* ***American Academy of Audiology.*** *Fatigue.* ***National Public Radio.*** *Untreated Hearing Loss Linked to Loneliness and Isolation for Seniors. Access information available on request.*

Esther Fogel, *Au.D.*

Sarah Infante, *Au.D.*

261 Broadway
Lynbrook, NY 11563
516.387.4000

info@comprehensiveaudiology.com

COMPREHENSIVE
AUDIOLOGY
ESTHER FOGEL, AuD

ComprehensiveAudiology.com