

# Presbycusis

**Presbycusis** is a manifestation of **aging** of the inner ear. It is **the most common** hearing impairment in the population.

## Etiopathogenesis

The essence is **the physiological aging** of the auditory system as a whole. The aging process is highly individual and also depends on external factors (exposure to noise , toxins and other factors during life).

## Symptoms and diagnosis

- hypacusia – a symmetrical perceptual disorder in the area of higher tones (basocochlear), with time it also spreads to lower frequencies, and the 1–3 kHz area is significantly affected (speech);
- tinnitus – may or may not be present, it is not a constant symptom;
- there is **a decrease in the ability of auditory analysis** , it becomes difficult to compose sound images from binaural listening (mainly speech understanding);
- the result on the verbal audiogram is often worse than on the tone → damage to the higher levels of the auditory pathway.

## Therapy

**There is no causal therapy** . For symptomatic treatment, we use **hearing aid rehabilitation**.

## Links

### Source

- BENEŠ, Jiří. *Studijní materiály* [online]. ©2007. [cit. 2009]. <[http://jirben2.chytrak.cz/materialy/orl\\_jb.doc](http://jirben2.chytrak.cz/materialy/orl_jb.doc)>.

### References

- KLOZAR, Jan. *Speciální otorinolaryngologie*. 1. edition. Galén, 2005. 224 pp. ISBN 80-7262-346-X.



In-ear hearing aid – ITE (in the ear)



Hanging hearing aid – BTE (behind the ear)