

# Tympanoplasty

**Tympanoplasty** is a surgical procedure that tries to **recreate** a functional conduction system of the ear. It is classified among the so-called **reconstructive operations**, which are operations whose goal is to restore the function of *the middle ear*. As part of remedial surgical procedures, it is often necessary to remove the bone affected by inflammation (**hammer, anvil**). The defect created in this way must then be solved surgically - **tympanoplasty**.

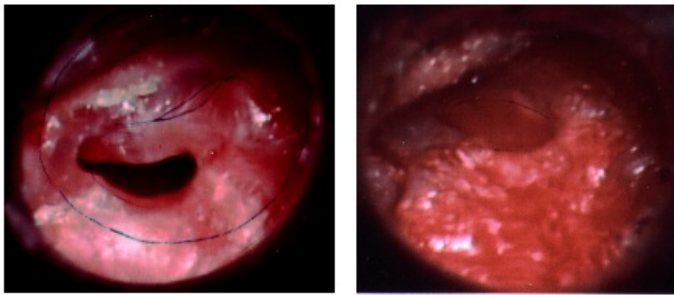
In order to be able to **indicate** tympanoplastiku, tympanoplasty, it is necessary that:

- the inflammation was completely eradicated;
- bone conduction was preserved;
- the Eustachian tube was functional;
- the middle ear mucosa was of good quality.

## Classification of tymponoplasty

- **Tympanoplasty I: the suprastructures of the stapes and manubrium of the malleus** are preserved, the rest of the middle ear *transmission system* is replaced using a partial ossicular replacement prosthesis (**PORP**).
- **Tympanoplasty II: all middle ear ossicles are missing**, they are replaced by **TORP** prosthesis - total ossicular replacement prosthesis.

Both autologous (cartilage, bone) and synthetic (plastic, metals, etc.) materials are used for the production of prostheses.



Before and after tympanoplasty

## Links

### Related Articles

- Myringoplasty
- Surgical treatment of chronic otitis media

### 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, et al. *Speciální otorinolaryngologie*. 1. edition. Galén, 2005. 224 pp. ISBN 80-7262-346-X.