

ABSTRACT

The objective of this work is to specify the technical aspects of cochlear implants in relationship to their impact on their users. The main contribution of this work is that through the description of individual parts of an implant and of the substance of its operation it draws attention to the impact of its usage on the user themselves. Simultaneously, by describing the current news in the area of cochlear implants it draws attention to the continuous development of this neuroprotheses and its elements.

The bachelor's thesis is aimed at the division of individual parts of the cochlear implant and their technical specifications. In the thesis the core of the sound transmission and the operation of the implant and its adjusting are described.

The attention is paid to the selection of the users of cochlear implants and approach of the community of the deaf people to this compensation aid.

Limitations in the cochlear implant users form another part of this work. The individual theoretical pieces of information are interspersed with testimonies of the users themselves who express their attitudes and experience in individual areas of everyday life.

At the end of the thesis news from the area of cochlear implants are stated. It deals, in particular, with the newest speech processors and their accessories.

KEYWORDS

Cochlear implant, outer parts of the cochlear implant, speech processor, transmitting coil, community of deaf people, cochlear implant user, identity.