

Aural Rehabilitation

- Definition
- Hearing Aids
- Assistive Listening & Alerting Devices
- Speech Reading and Auditory Training
- Cochlear Implants (see separate ppt presentation)

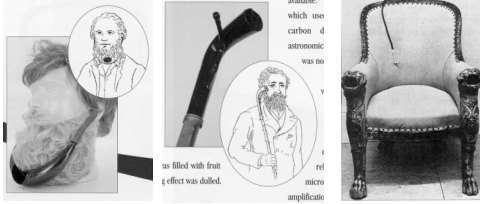
Definition

- The training of a person with a hearing loss to communicate more effectively.
- This may include the use of amplification, auditory training, speech reading situational training, Etc.

Hearing Aids

- Hearing aids by style
- Hearing aids by type
- Hearing aids in educational settings


History of Hearing Aids



History of Hearing Aids



History of Hearing Aids



\$489.50
[Order Now](#)

Lloyds carries many accessories for ITE Hearing Aids.
[Click Here for ITE accessories](#)

Invisible Ear

- Barely noticeable
- Comfortable secure fit
- Customized to your individual hearing loss and the shape of your ear
- Has the exact same components as instruments twice as expensive
- Suggested retail price: \$800-\$1000

ORDERING OPTIONS

Price: **\$489.50** Select Quantity: [Order](#)

Styles of Hearing Aids

- Behind the ear (BTE)



- In the ear (ITE)



- In the canal (ITC)



- Completely in the canal (CIC)



Types of Hearing Aids

- Refers to how the hearing aid works.
- Conventional Hearing Aids
- Digital Hearing Aids

Conventional (Analog) Hearing Aids

- Can be found any style.
- Components
 - Microphone, amplifier, receiver (loudspeaker).
 - On-off switch, volume control, tone control.
- Acts essentially like a radio.
- Cost
 - \$1400 to \$3000 per set of hearing aids.

Digital Hearing Aids

- How do they work?
 - Wearing a computer that can be programmed to fit the hearing loss.
- How are they fit?
 - Fit like conventional hearing aid, but can be programmed to fit the specific needs of the client
- What are the benefits?
 - Reduction of background noise
 - Speech is easier to understand and is more natural.
 - You can reprogram aid if hearing changes
- How much do they cost?
 - Between \$2500 & 8000 per pair.

Hearing Aids Advantages and Limitations

- Advantages
- Limitations
- Variables

Advantages

- Helps with speech understanding
- Helps amplify soft speech and environmental sounds

Limitations

- Some problems in background noise
- Can amplify loud sounds to the point where they can be uncomfortable.
- Problems with manipulation. This is a big problem for ITC and CIC aids.

Variables

- Motivation
- Acceptance of hearing loss
- Realistic expectations
- Orientation

Assistive Listening & Alerting Devices

- FM Auditory Trainers
- Other listening devices
- Alerting devices and TTY

FM Auditory Trainers

- Application
- How does it work?
- What does it sound like?

Other listening devices and TTY

- Telephone amplifiers
- Captioned TVs
- Alerting Devices
- Text teletype (TTY)

Speech Reading and Auditory Training

- Speech Reading
 - Can enhance listening ability
 - Speech reading most effective when used with residual hearing
 - Only 30% of speech sounds are visible on the lips
- Auditory Training