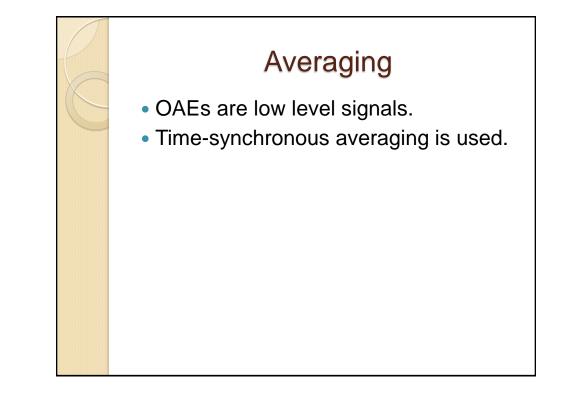


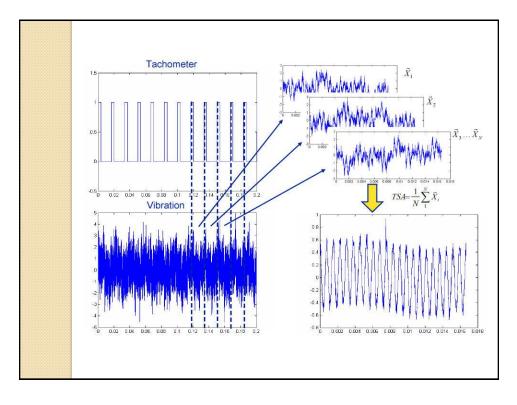
Purpose of OAE test

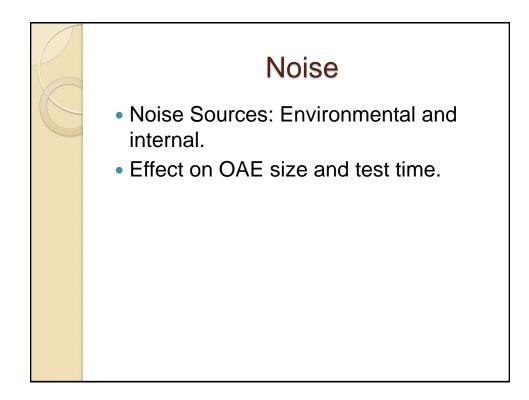
- function of outer hair cells.
- Identification of hearing loss.
- site of lesion (sensory vs. neural).
- effects of ototoxic drugs.
- Monitoring hearing loss that is caused by exposure to loud noise.

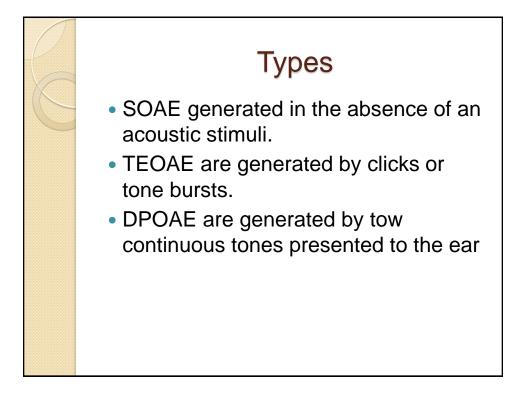
Measurement of OAEs

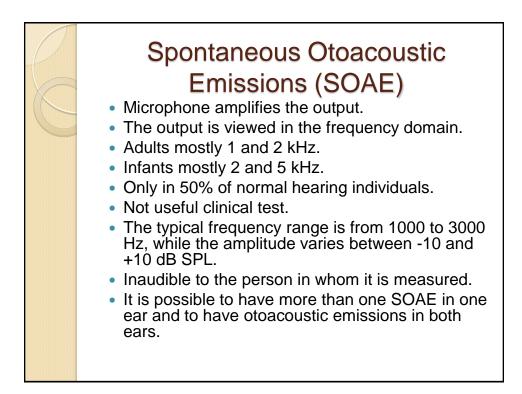
- Probe: Houses the microphone and the sound source. Fits into the ear using a foam or rubber tips.
- Microphone: To record the OAEs coming from the ear.
- 2 Sound Sources.
- Amplifier.

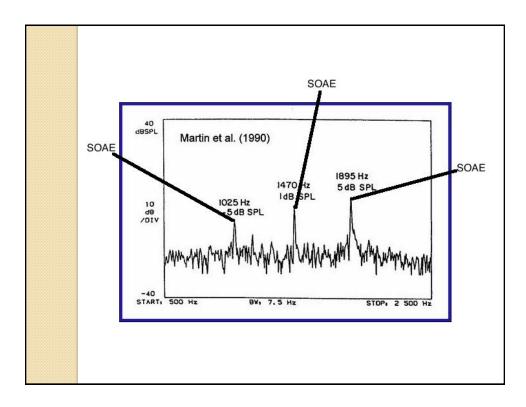


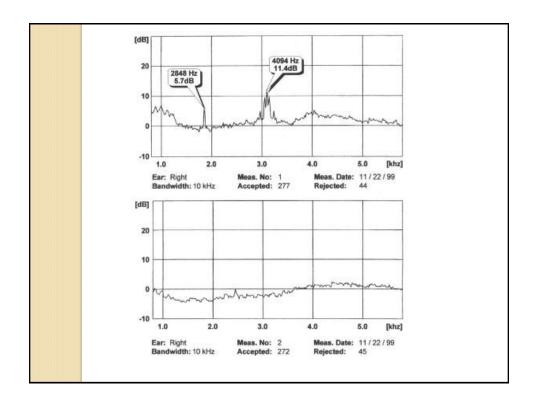


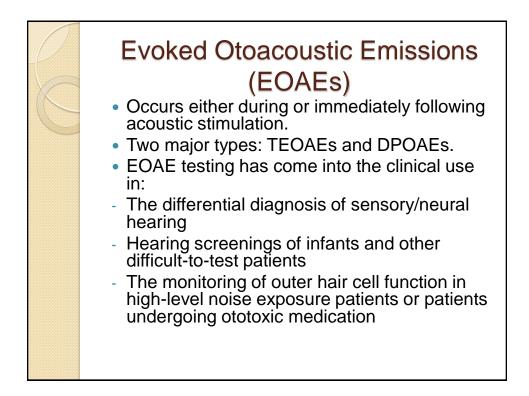


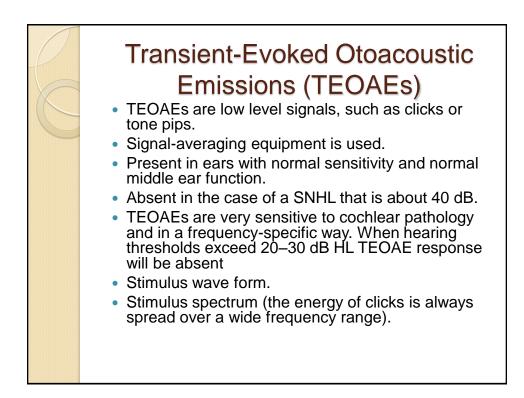


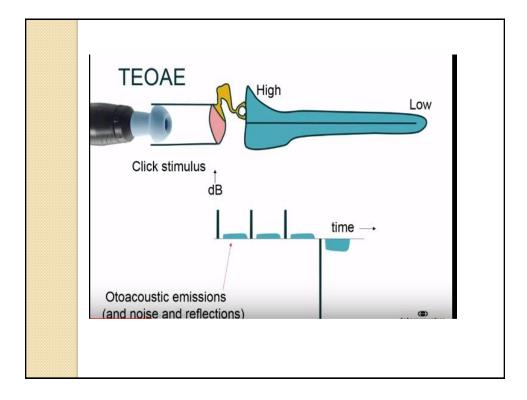


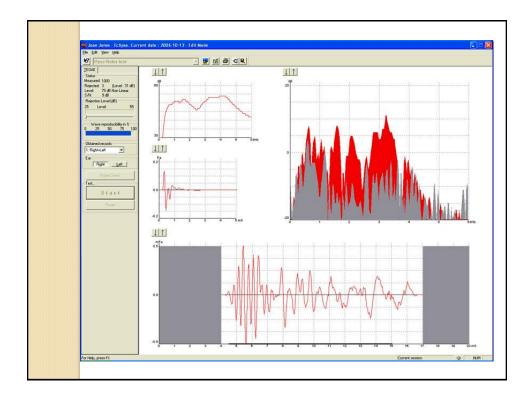


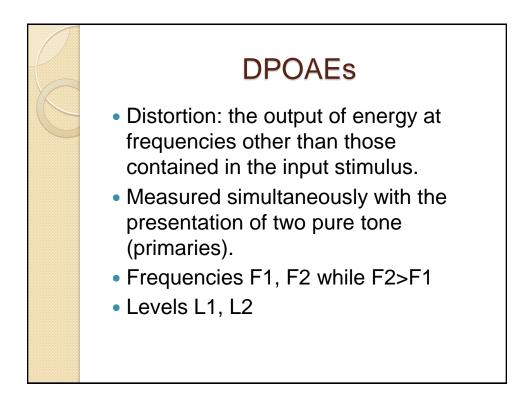


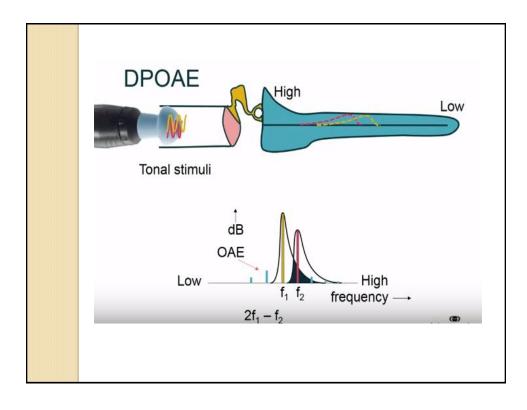


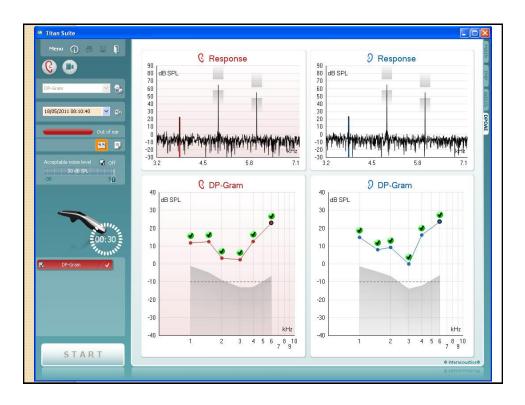


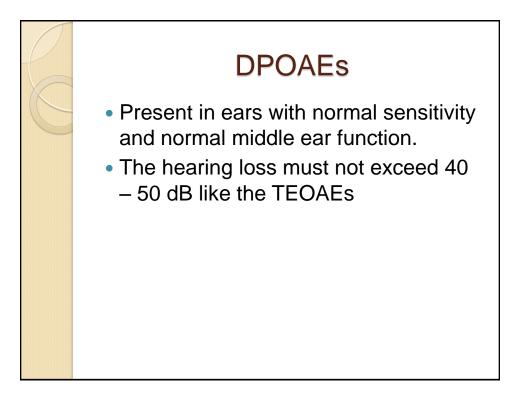


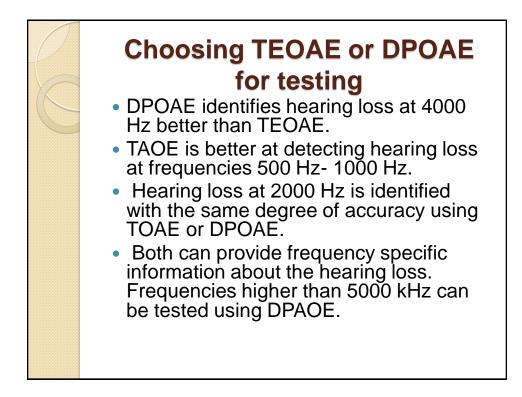


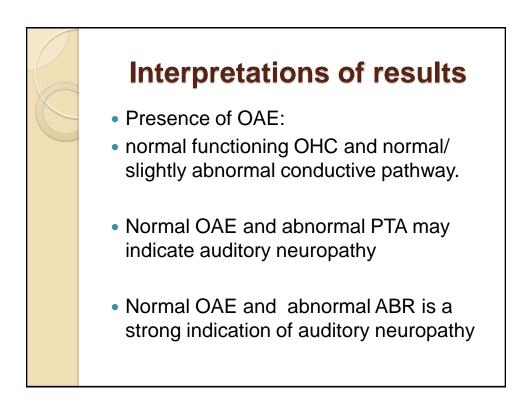


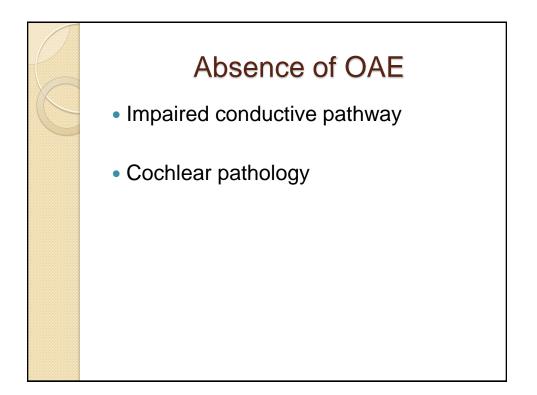












Clinical applications of OAEs

- 1- good cochlear condition
- 2- in difficult-to-test patients like
- 3- the activity of the cochlea
- 4- financial benefit
- 5- to insure audiometry results.
- 6- to screen infant hearing
- 7- differential diagnose in Audiological neuropathy

