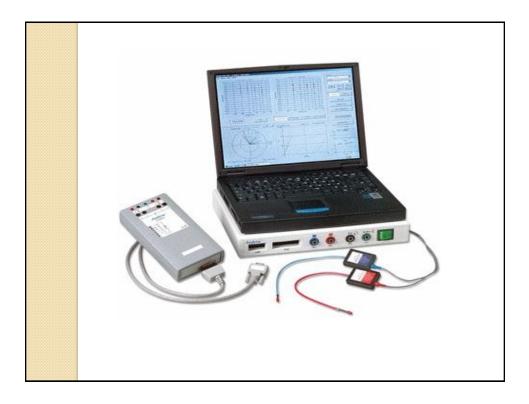
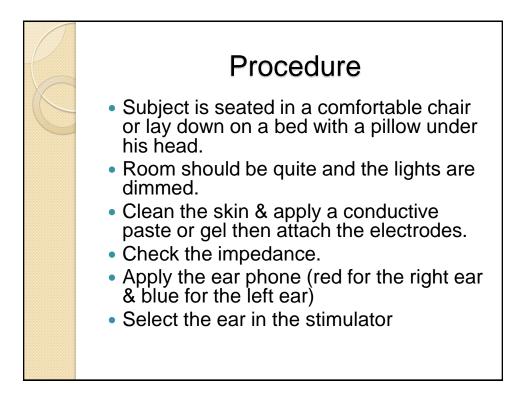


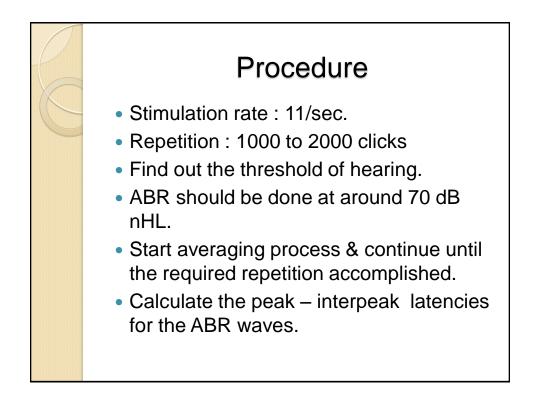
6	Origin of each wave	
	Wave	Origin
	I	Cochlear nerve
	II	Dorsal & Ventral cochlear nucleus
	III	Superior olivary complex
	IV	Nucleus of lateral lemniscus
	V	Inferior colliculus
	VI	Medial geniculate body
	VII	Auditory radiation(cortex)

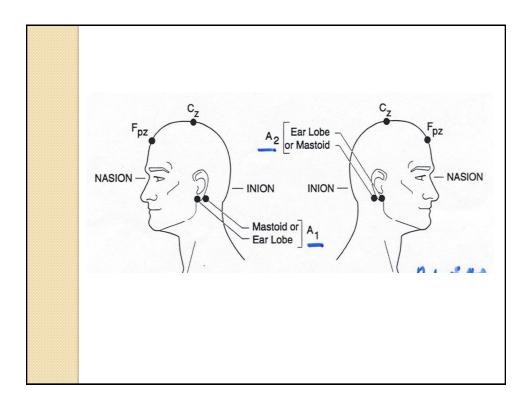


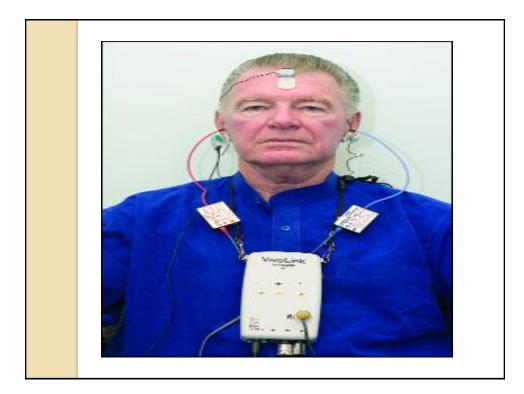


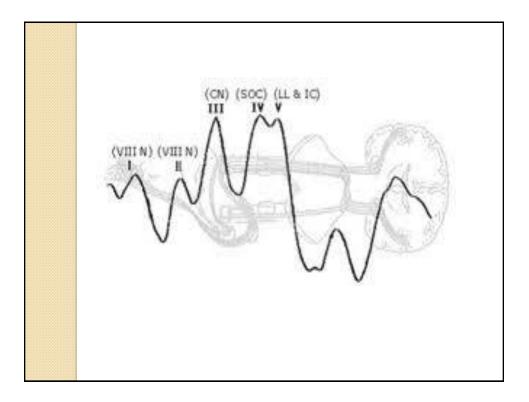
- Cz (at vertex) (recording electrode)
- Ipsilateral ear lobule or mastoid process (reference electrode).
- Contra lateral ear lobule (act as a ground)

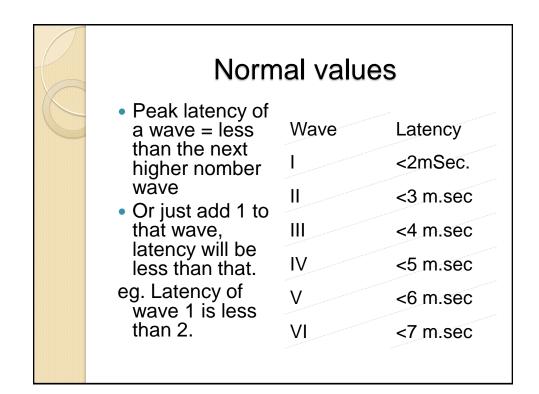


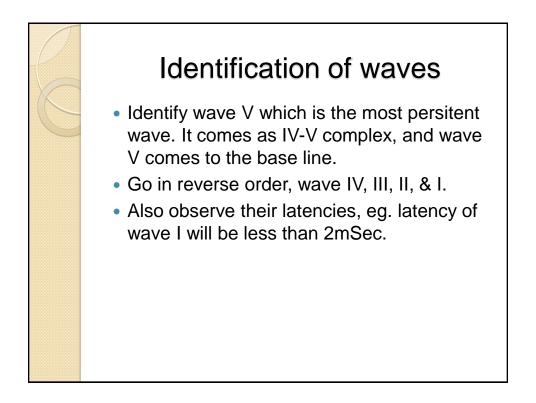






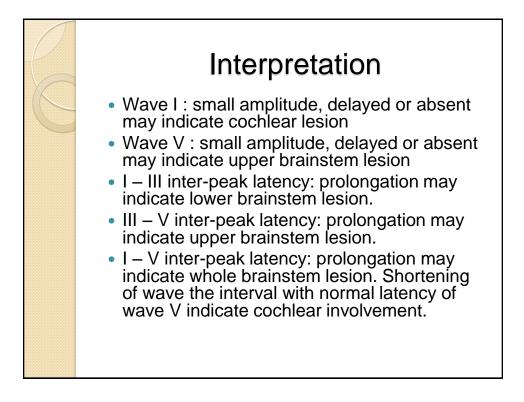






Calculation & Analysis

- Write down the absolute peak latencies for the waves
- Find out the interpeak latencies of I III, III – V and I – V.



Part 3

Tympanometry

- Is a test of middle-ear function by measuring the middle-ear pressure (the mobility of the tympanic membrane)
- One of the audiological test battery procedures

Tympanometer Components

Three main tubes in the probe (probe tube)

1- loudspeaker: generates the tone and is transmitted through the speaker (low pitch constant sound into the ear canal, 226 Hz for adults and 1k Hz for children less than 6 months years old).

2- microphone: picks up the sound in the external ear canal

3- manometer: pressure pump (ranges from – 400 to + 200)

• Probe tip according to ear canal size

What does it measure? Impedance (mobility) of the TM & Ossicles when exposed to pressure. Ear canal volume. Pressure in the ME.

