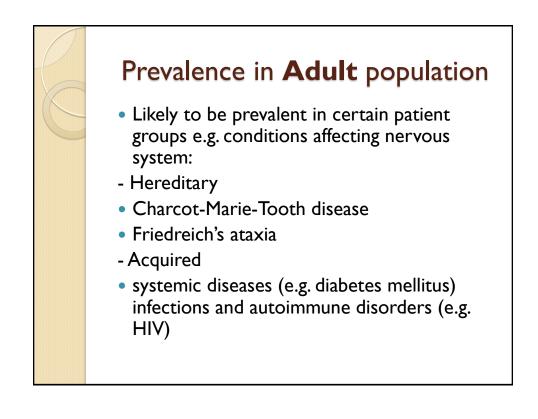


Terminology

- Auditory neuropathy
- Auditory dys-synchrony
- Auditory de-synchrony
- Auditory mismatch
- Primary auditory neuropathy

Anatomical Terminology

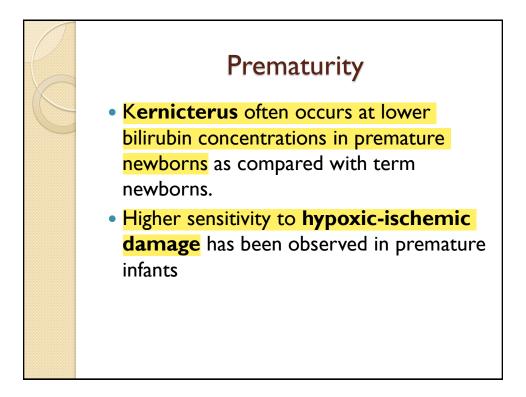
- Inner hair cell damage/loss
- Synaptic block
- Neuronopathy (ganglionapathy)
- Neuropathy:
- demyelinating
- axonal
- mixed
- Brainstem disorder

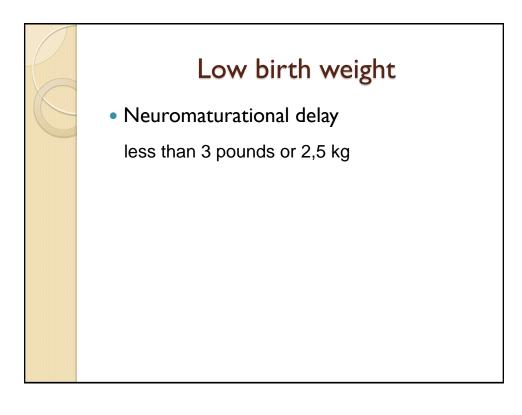


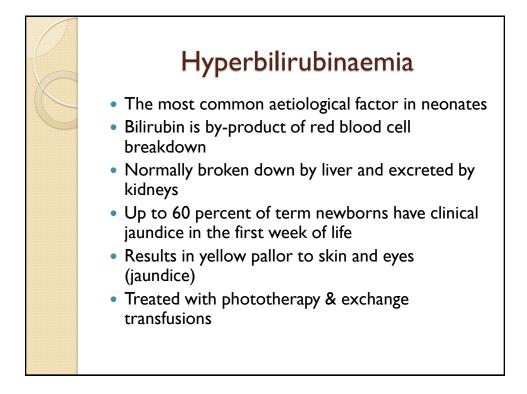
Population	%
special care nursery	4.00
intensive care unit	1.96
"at-risk" infants	0.23
abies in NICU for ≥48	h 0.2

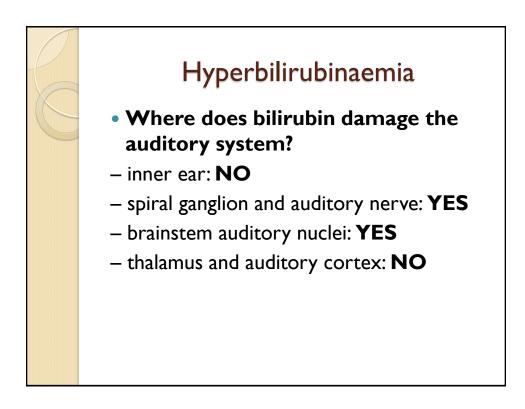
Aetiology in **At-risk** population

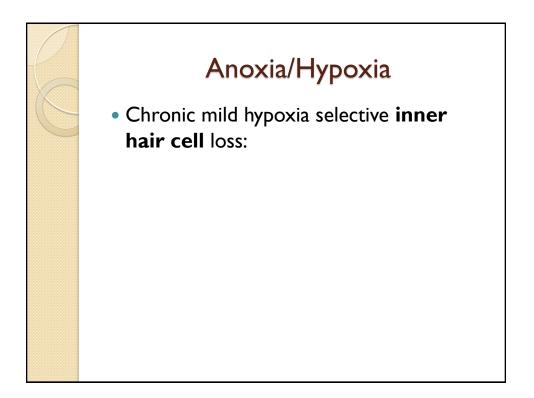
- Prematurity
- Low birth weight
- Hyperbilirubinaemia
- Anoxia/hypoxia

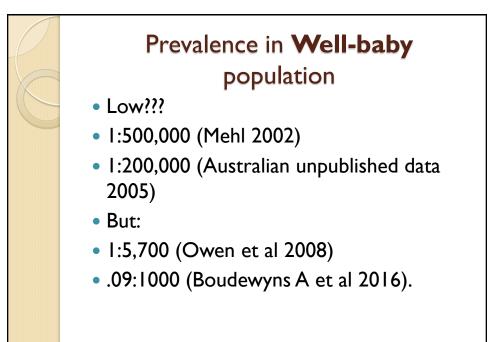


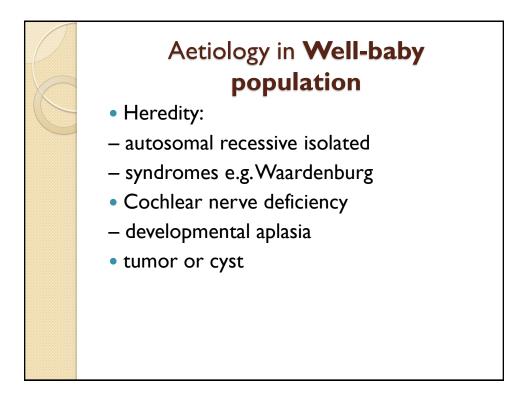


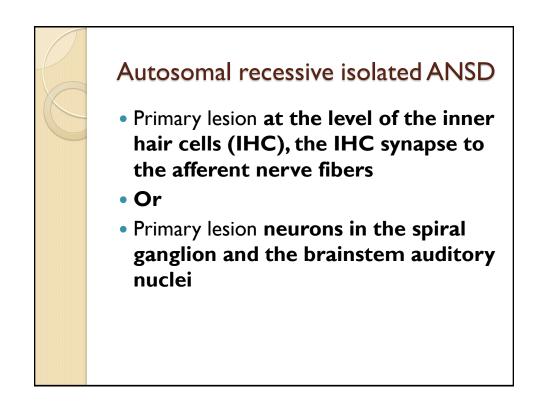


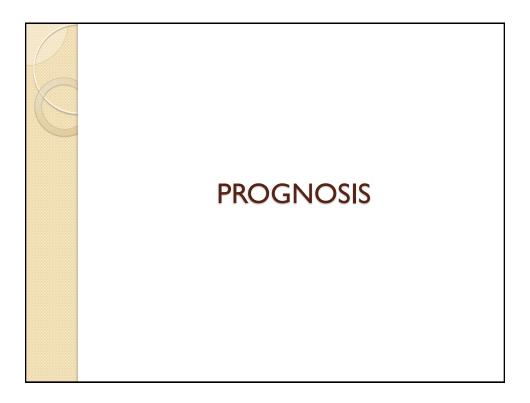


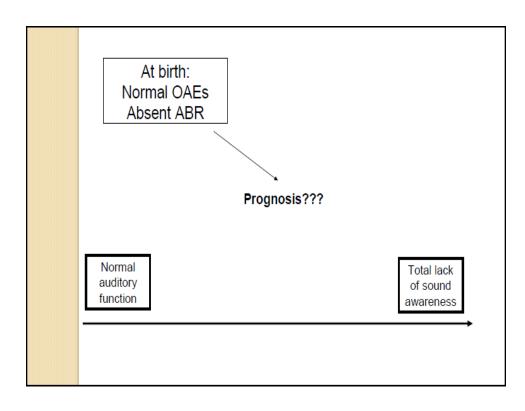


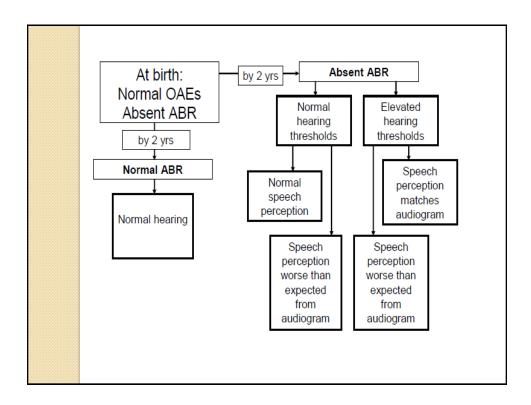


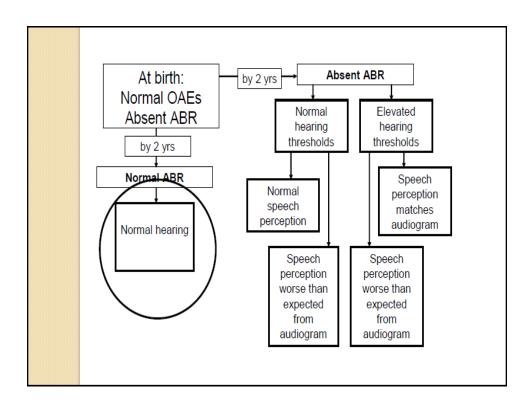


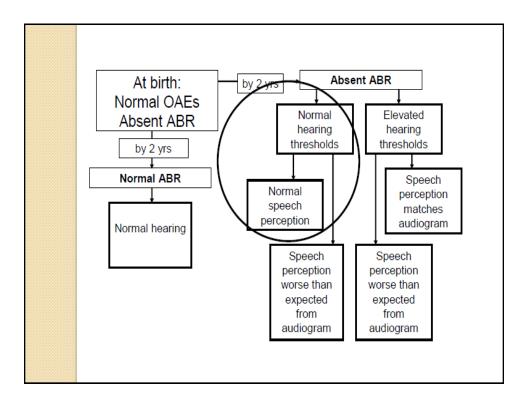


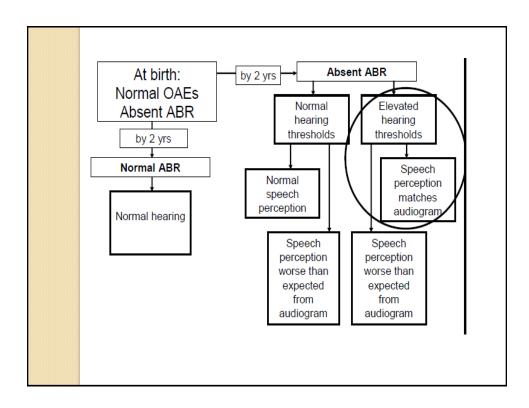


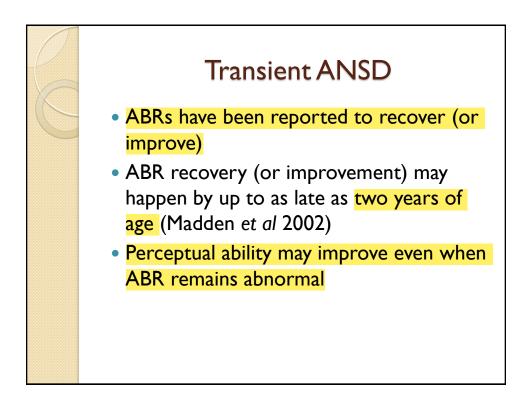


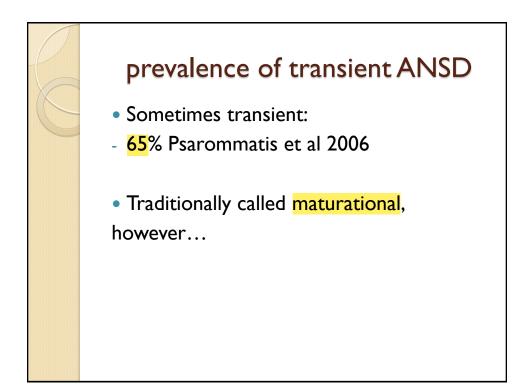


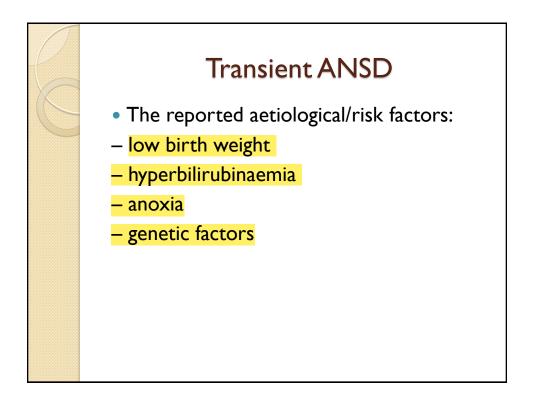


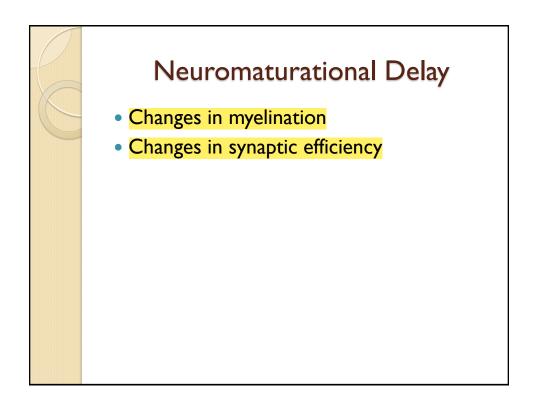


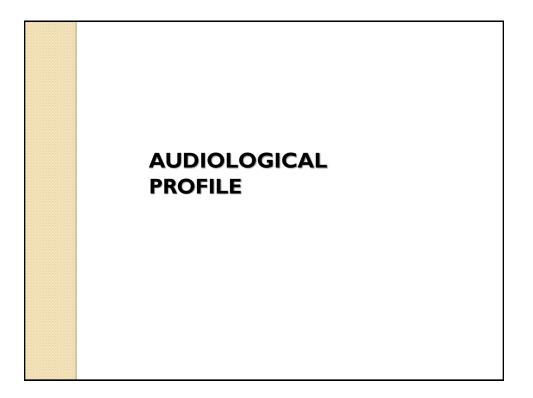


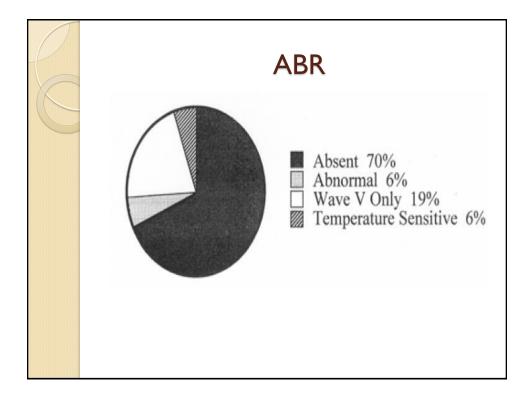


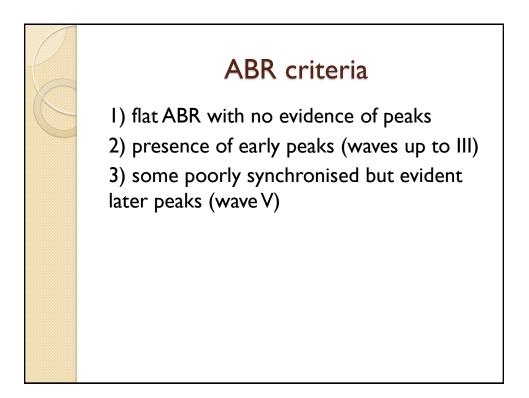


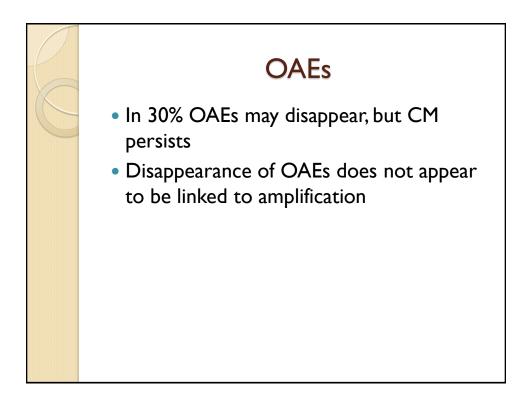


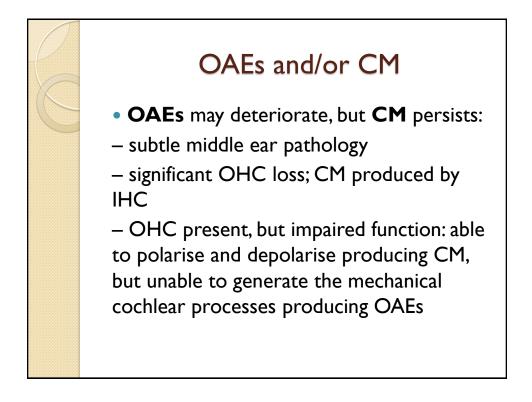


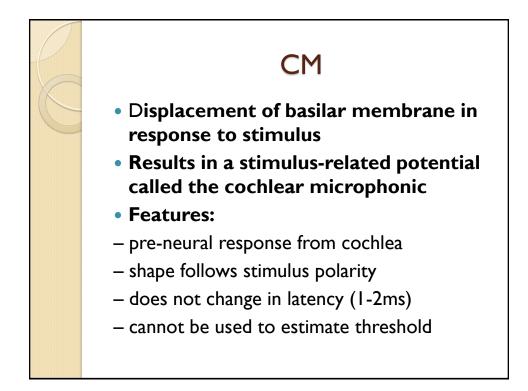


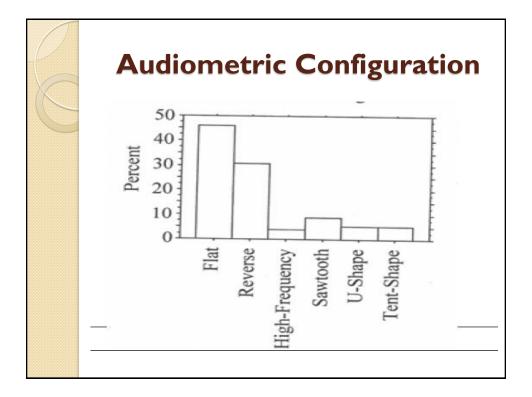


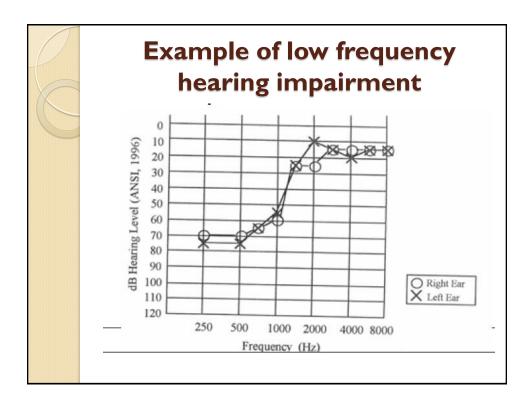


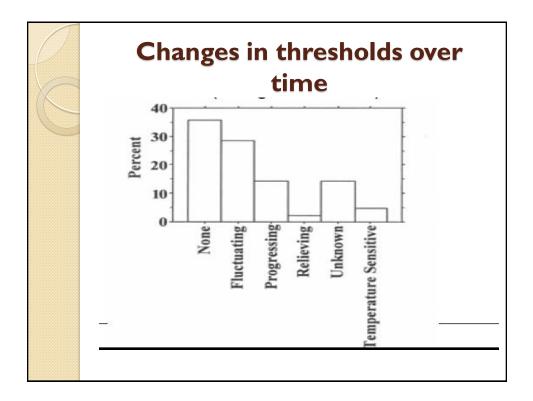




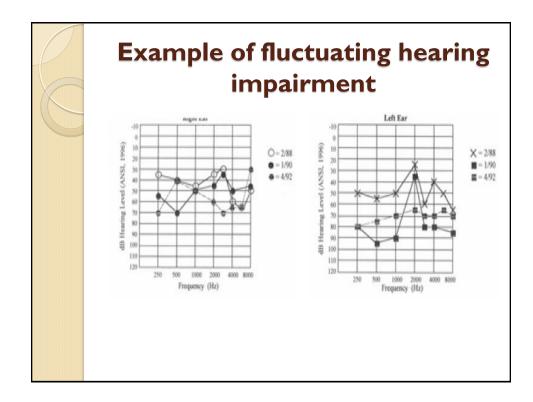


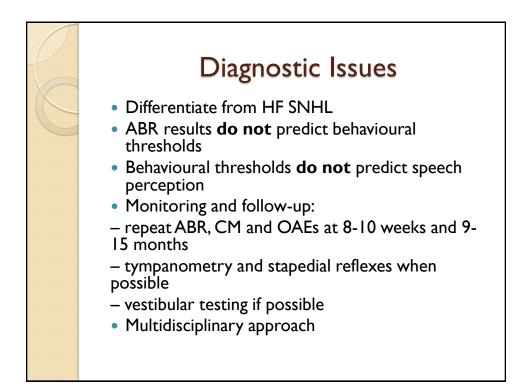






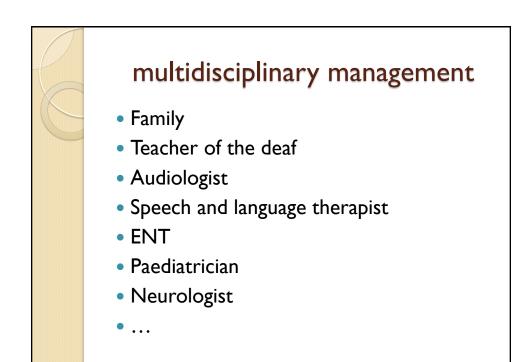
ANSD Audiometry: flat \ reverse \ fluctuating..... low frequency

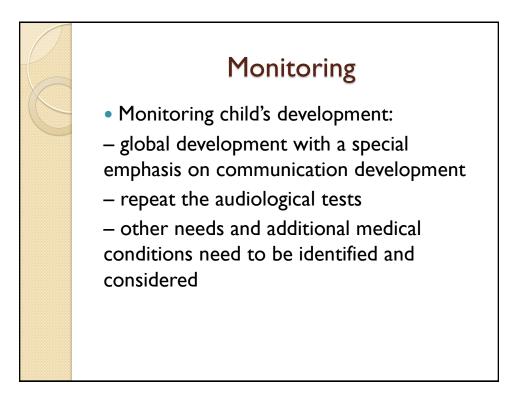


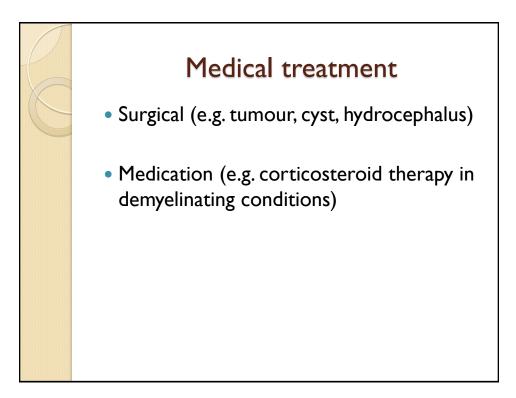


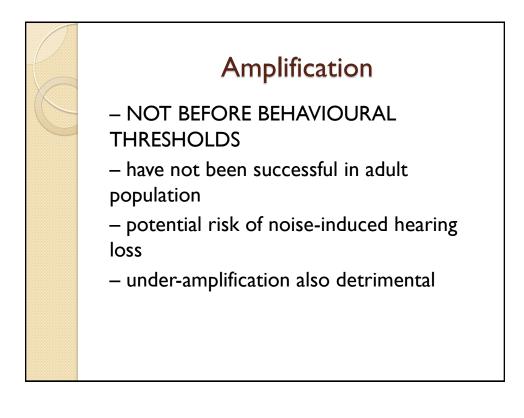


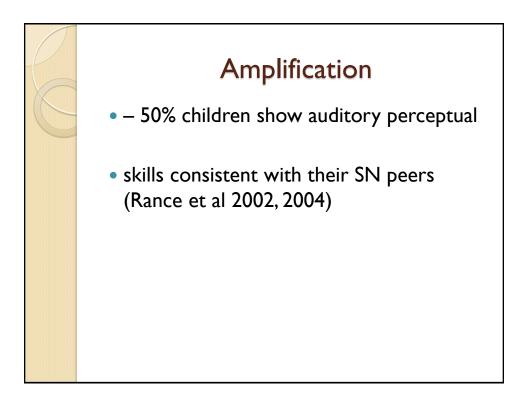


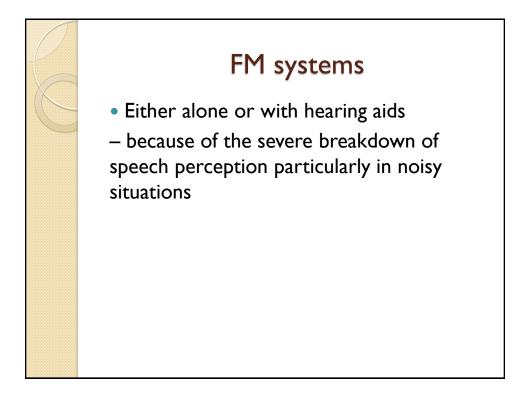












Cochlear Implantation

very beneficial in some children with ANSD
do not allow normal-mild-moderate
audiogram be a contraindication

however, be aware of the possibility of spontaneous recovery up to 2 years

- success may be dependent on site of lesion

 family education and expectation management

