

Abstract DGA 2012

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Concepts of Auditory Neuropathy: Origins and Evolution.

Identifying the varieties of Auditory Neuropathy

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Hearing disorders accompanying disorders of auditory nerve and hair cell ribbon synapses

Objective measures of "hearing" are now used widely to identify infants who will have hearing disorders.

These measures have a noble history originating from the early studies of nerve and receptor functions.

The tests quantify auditory functions even in new borns and have led to the definition of new types of hearing disorders.

I will discuss those due to disorders of inner hair cell ribbon synapses, auditory nerves, and their effects on central auditory pathways.

I will reference comments made by affected patients that provides insights into underlying mechanisms

