



PARKINSON'S DISEASE NEWS

<http://www.viartis.net/parkinsons.disease/news.htm>

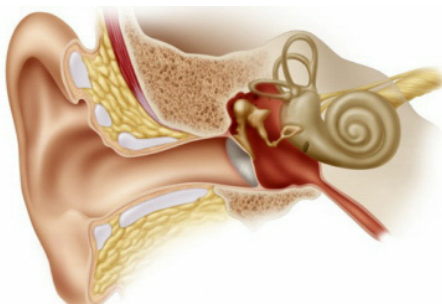
12th February 2014 - New research

HEARING LOSS IN PARKINSON'S DISEASE

European Journal of Neurology [2014] Feb 10 [Epub ahead of print] (S.W.Lai, K.F.Liao, C.L.Lin, C.C.Lin, F.C.Sung) <http://www.ncbi.nlm.nih.gov/pubmed/24506292>

Hearing loss has been found to be three times more likely in elderly people who have Parkinson's Disease. This is partly due to the increased prevalence of loss of hearing with age. However, hearing loss is still 1.77 times more likely in elderly people with Parkinson's Disease than it is in elderly people who do not have Parkinson's Disease.

Hearing is perceived in the Cochlea, in the Organ of Corti, which is the sensory organ of hearing. For more information go to Cochlea : <http://en.wikipedia.org/wiki/Cochlea>



Dopamine, whose deficiency causes Parkinson's Disease, helps to protect against noise exposure in the Cochlea [1] [2] [3] [4]. Insufficient dopamine can therefore lead to damage that can result in loss of hearing. The cause of the increased likelihood of loss of hearing that can occur in Parkinson's Disease is therefore originally probably biochemical rather than structural.

[1] <http://www.ncbi.nlm.nih.gov/pubmed/21672572>

[2] <http://www.ncbi.nlm.nih.gov/pubmed/11885654>

[3] <http://www.ncbi.nlm.nih.gov/pubmed/11595036>

[4] <http://www.ncbi.nlm.nih.gov/pubmed/8787031>

<http://www.viartis.net/parkinsons.disease/news/140212.pdf>

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