Perception Deafness in Otosclerosis

C.A.D.  
D.M.H.  
Dudok de Wit  
Schuth

Leyden

Author’s address: Dr. C. A. Dudok de Wit and Dr. D. M. H. Schuth, Otorhinolaryngological Department, Academisch Ziekenhuis, Leyden (Netherlands)

The bone conduction audiogram of otosclerosis patients is diminished by three factors: the Carhart Notch, the presbyacusis, and the damage caused by otosclerotic foci.

An unselected material of 150 patients was divided into three age-groups. In the mean bone and air conduction audiograms of these groups the spread was considerable.

However after correction for presbyacusis and the Carhart Notch in the speech range identical audiograms resulted for all age-groups. In 93% the perception loss attributed to otosclerosis proved to be less than 10 db and only in 7% 10–20 db and higher. However probably the actual loss is higher because presbyacusis and otosclerotic perception deafness may overlap.