

## Prevalence of Congenital External Ear abnormalities among Deaf Pupils in Kaduna Metropolis, Kaduna-Nigeria

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### Abstract:

Roughly 5% of everybody have a type of ear deformity. There is restricted information on inherent outer ear variations from the norm among hard of hearing students in Northern Nigeria and the nation at large. A cross-sectional investigation with a control populace which surveyed the commonness of innate outside ear anomalies among hard of hearing understudies in Kaduna city. Hard of hearing understudies from two schools for the hard of hearing were selected for this investigation from November 2016 to August 2017. The students had screening audiometry done to find out their hearing limits. Information was gathered utilizing polls in a multi-arranged testing design. The created information was investigated utilizing Statistical item and administration arrangements (SPSS) for windows rendition 20.

A sum of 430 subjects with equivalent number of controls took an interest in this examination. The mean age for the subjects and controls were  $13.48 \pm 2.36$  and  $13.08 \pm 1.81$  individually. The

male:female proportion for the subjects was 1.29:1. Ninety three out of the 430 subjects had ear anomaly, giving a commonness of 21.6%. The most widely recognized significant irregularity in the subjects were outside sound-related trench atresia 3 (0.7%) and inherent nonattendance of the tragus 3 (0.7%) while microtia 7 (1.6%) was the most well-known significant variation from the norm in the controls. There was a slight prevalence of left sided variations from the norm in the two gatherings. Thirty four subjects (7.9%) had significant variations from the norm. The most widely recognized minor irregularity was pre-auricular sinus in 37 (8.6%) of 63 subjects, Overall, sixty two subjects (14.4%) had minor variations from the norm, ( $p=0.001$ ).

Hearing misfortune in pediatric age gathering might be acquired, formative or brought about by maternal rubella. It might likewise be because of intricacies during childbirth or certain contaminations, for example, meningitis and measles. Ototoxicity and introduction

to over the top clamor additionally contribute essentially. Larger part of hearing misfortune in kids can be forestalled fundamentally. We meant to share our discoveries on evaluating the conference limits of understudies in hard of hearing schools in Northwestern Nigeria.

This was a cross-sectional investigation which surveyed the meeting edge of students in hard of hearing schools in Kaduna city, Kaduna, Nigeria. Endorsement was gotten from the State Ministry of Health Ethics Committee. Multi-arranged inspecting strategy was utilized to enlist 430 hard of hearing understudies. Assent was gotten and an organized pre-tried survey was utilized to create information on the member's biodata, history and itemized assessment discoveries just as unadulterated tone audiometry. Gathered information were reported and gone into Statistical Product and Service Solutions form 20 for windows at that point examined.

Mean unadulterated tone normal of the correct ear was  $103.4 \pm 8.3$  and the left ear was  $104.3 \pm 8.9$ . Greater part had reciprocal significant hearing misfortune (99.0%). Extreme hearing misfortune was seen in 0.9%, while the staying 0.1% had moderate hearing misfortune. The meeting misfortune sensorineural in larger part (97.6%) and the staying 2.4% had blended hearing misfortune. High-recurrence hearing misfortune prevailed (98.6%). End: Majority of the hard of hearing students had two-sided, significant, sensorineural hearing misfortune, including higher frequencies.

Relating Author:

References

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