

## **AUDIOLOGICAL FINDINGS IN PATIENTS WITH POST SURGICAL CLEFT LIP AND/OR PALATE**

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The purpose of this cross-sectional research is to profile the audiological findings in patients with repaired cleft lip and/or palate. A total of 22 children aged between 1 year 2 months and 6 years 8 months (mean= 42 ±17.44 months) participated in this research. Hearing level, type of hearing loss, laterality of hearing, and acoustic immittance test were measured in each subject. The results shows that 28 of 33 ears (85%) had hearing loss between the degree of very mild and moderate to severe. For the type of hearing loss, 3 of 4 ears (75%) had conductive hearing loss and 1 ear (25%) had mixed hearing loss. Tympanometry result shows that 38 of 42 ears (84%) had abnormal tympanogram, where type B tympanogram had the highest result with 27 ears (63%). Besides that, for the laterality of hearing loss, 13 of 16 subjects (81%) had hearing loss in both ears and 1 subject (6%) had hearing loss in one of the ears. The number of subjects with middle ear problem in both ears is 16 of 21 (76%) and middle ear problem in one of the ears is 3 (14%). The result shows that the problem in both ears is higher than the problem in one of the ears. This finding shows that hearing problem is still present among cleft lip and/or palate children even after the surgical repair. Therefore, cleft lip and/or palate children who had undergone the surgical repair still need to have consistent hearing assessment so that the hearing problem, especially the middle ear problem can be monitored and appropriate treatment and management could be given.

Othman, N. H. 2010. Audiological Findings in Patients with Post-Surgical Cleft Lip and/or Palate. Bachelor of Audiology Thesis. Universiti Kebangsaan Malaysia.