**The relationship between**

**duration suffering diabetes mellitus and**

**hearing threshold based on audiometric examination**

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The main problem facing adults who have hearing loss is the difficulty in verbal communication. This situation will interfere with daily activities in the family, social community and work environment. This condition can also cause psychological problems not only for the patient but also for his family. One of the risk factors for adult hearing loss is Diabetes Mellitus (DM), which is a group of metabolic abnormalities characterized by chronic hyperglycemia due to absolute (DM type 1) and relative (DM type 2) insulin deficiency, with primary disorders of carbohydrate metabolism and secondary disorders of fat and protein metabolism.

 Hearing examination in DM patients has never been done routinely, so the correlation between long suffering from DM with the threshold value of hearing is not known. Study to determine the correlation between long suffering diabetes mellitus and hearing threshold is very important for predicting the quality of hearing acuity diabetic patient. The objective of this studyto determine the relationship between duration suffering diabetes mellitus and hearing threshold based on audiometric examination. This study is entirely original, has not been copyright, published, submitted or accepted for publication elsewhere.

This study results will contribute to the discourse of knowledge regarding the very interesting results correlation between long suffering diabetes mellitus and hearing threshold for predicting the quality of hearing acuity diabetic patient.