

VARIABILITY IN THRESHOLDS MEASURED WITH HEADPHONES & INSERT EARPHONES

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This study was conducted to find out whether there were any differences in thresholds measured with headphones (TDH-39) and insert earphone (ER-3A). Fifty-five normal hearing ears were tested once with the ER-3A and once with the TDH-39 mounted in MX41/AR cushions. Threshold was determined using Pure Tone Audiometry in the range of 0.25 – 8 kHz. The results showed that there was statistically significant difference in threshold obtained with the two earphones at frequencies other than 250 Hz. This finding suggests that the two devices give different performance at 500 Hz to 8000 Hz but the difference is clinically not significant.

Yusof, Y. 2001. Variability in Thresholds Measured with Headphones & Insert Earphones. Bachelor of Audiology Thesis. Universiti Kebangsaan Malaysia.