

## AUDIOLOGICAL RESULTS OF MYRINGOPLASTY AND FACTORS EFFECTING IT

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The purpose of this study is to see the changes that happen to hearing levels after myringoplasty, and the factors that affect them. The hearing levels had been assessed at pre- and post-operative air conduction, bone conduction and air-bone gap. Four factors that may have an effect on the audiological results were analysed. These were the duration of otitis media, size of perforation, total air-bone gap before operation and status of surgeon. 43 ears that underwent surgery successfully were included in this study. All subjects were patients at HUKM, ages between 18-60 years old. The hearing levels of each sample were measured at octave frequencies 250 – 8000 Hz and the three-frequency average (0.5, 1.0 and 2.0 kHz) were calculated. These values were assessed in duration of three months to one year post-operatively. T test and Spearman correlation were used to analyse the results. Descriptive and statistical analyses were done in terms of mean values and percentages for air conduction threshold, bone conduction threshold and air-bone gap post-operative results. This study showed that there are significant differences between air conduction thresholds at all frequencies except at 250, 500 Hz and air-bone gap at all frequencies. Duration of otitis media, size of perforation, pre-operative air-bone gap and status of surgeon were to have no effect on the post-operative air-bone gap.

Mohd. Kassim, D. 2002. Audiological Results of Myringoplasty and Factors Effecting It. Bachelor of Audiology Thesis. Universiti Kebangsaan Malaysia.