
Changes in hearing acuity following different forms of anaesthetic techniques

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-61-Summary The aim of this work is to study effect of different anaesthetic techniques on the auditory acuity. The study was conducted in 120 patients who were proved to be clinically free otologic disease. The patient had performed non otological surgery. They divided into four equal groups : Group I Consisted of 30 patients who were anaesthetized by nitrous oxide. Their age ranged between 12 and 50 years. Group II Consisted of patients who were anaesthetized by spinal intradural anaesthesia. Their age ranged between 14 and 51 years. Group III Consisted of 30 patients who were anaesthetized by spinal epidural anaesthesia. Their age ranged between 11 and 47 years. Group IV Consisted of 30 patients who were anaesthetized by Ether. Their age ranged between 13 and 50 years. -62- In all four groups. audiogram was performed before the operation. after the operation by 24 hours and after the operation by 72 hours. After nitrous oxide anaesthesia by 24 hours. the audiogram showed significant -P