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In adult patients the effect that auricle's position has on the body's temperature measurement values during measurements performed through tympanic membrane thermometer

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Research was carried out on adult patients comparatively, descriptively to scrutinize the effect that auricle position has on the body's temperature measurement values and on the level of comfort during measurements performed through tympanic membrane thermometer. Research was carried out with adult who referred to Emergency Department of Medical Faculty between November and December 2015. In research, data were collected by using Data Collection Form, Visual Comparison Scale, tympanic membrane thermometer and chronometer. The patients, which groups they will be included in were determined through simple randomization. In group A, patients' body temperature was first measured by changing the position of auricle. In group B, patients' body temperature measurement was first performed without changing the auricle position and later measurement was performed by changing the auricle position. Then process's level of comfort was evaluated by using Visual Comparison Scale. SPSS program version 16.0 was used in the analysis of data. In statistical analyses of data, the frequency, percentage, average, standard deviation were calculated and the significance between two pairs test was used. In order to carry on the research permission was taken from the Ethical Board. At the end of research it was identified that mean of ages was 38.98 and 55.8 % were females. The difference between measurement values performed at two distinct positions was 0.3°C. The difference mean of measurement processes performed in two positions was 1.08 second. It was identified that 59.2% of the body temperature measurements carried out by providing auricle position did not feel any discomfort.

Biography

Ismet Eser has completed her PhD in the Department of Internal Diseases Nursing in 1993. She also had 3-years of experience as a nurse manager in an eye clinic. She has been studying at Ege University, Fundamentals of Nursing Department.

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