



INVESTIGATION OF PERIPHERAL OXYGEN SATURATION VALUES MEASURED IN DIFFERENT BODY POSITIONS AND FINGERS IN HEALTHY YOUNG ADULT INDIVIDUALS

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THESIS ABSTRACT

It was found that the highest peripheral oxygen saturation value of the participants included in the study was measured from the middle finger while in the sitting position, and this value was statistically significantly higher than the peripheral oxygen saturation values measured from the index and middle fingers in the supine position. As a result of this study, it was concluded that there may be differences between peripheral oxygen saturation values according to different body positions, and that there was no significant difference in the measurement of peripheral oxygen saturation values measured from the index and middle fingers while in the sitting and supine positions.

APPLICATION AREAS OF THE THESIS RESULTS

It emphasizes the importance of taking into account which position and finger healthcare professionals should primarily choose for the most accurate and reliable SpO2 measurement results with pulse oximeter and that the SpO2 measurement results with pulse oximeter can be affected by position, finger, gender and BMI variables.

ACADEMIC ACTIVITIES

1. Yilmaz, D., & Uysal, O. Determination of Attitudes of Nursing Department Students Towards Recording and Protection of Patients' Personal Health Data. Istanbul Beykent 4th International Health Sciences Research Days Congress, Oral Presentation, Istanbul, Turkey, February 22, 2024. (International congress presentation).
2. Yilmaz, D., & Uysal, O. Nursing Students' Attitudes to the Recording and Protection of Patients' Health Data: A Cross-Sectional Study. Makara Journal of Health Research, 28(2), 148-154. (Research article in a journal indexed in the Emerging Sources Citation Index.).

