

JOINT EVENT

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Health students: How is your theoretical knowledge about blood pressure measurement?

Cynthia Kallás Bachur, Sarah da Silva Candido and José Alexandre Bachur

University of Ribeirão Preto, Brazil

Statement of the Problem: The indirect measurement of blood pressure (BP) is part of the physical examination of extreme importance to the knowledge of health students and is routinely performed in clinical practice. The purpose of this study is to evaluate the effects of an educational intervention on the theoretical knowledge of the indirect measurement of BP in health students.

Methodology & Theoretical Orientation: This is a descriptive, observational study carried out in regular students of the Physiotherapy and Medicine course of a private university in 2016, which evaluated the theoretical knowledge about the BP measurement procedure through a questionnaire (27 questions) following the recommendations of the current scientific papers. The Wilcoxon test was used for paired samples.

Findings: 30 students from Physiotherapy and 30 from Medicine, from the 8th graduation period, with a mean age of 21.50 + 2.20 years participated. All students, from both courses, in the theoretical evaluation presented a significant difference ($p < 0.001$) in the questionnaire score when compared to pre and post educational intervention.

Conclusion & Significance: Based on the results of the present study, it can be observed that the educational intervention applied from a workshop was effective and should be implemented periodically at the undergraduate level, considering that this may influence the improvement of the development of skills and abilities in the procedure of the indirect measurement of BP in clinical practice.

	Physiotherapy (n=30)	Medicine (n=30)
Frequency of learning received during the workshop on the measurement of the AP in students of the courses of Physiotherapy and Medicine, of a private higher education institution, 2016.	24 (80.0%)	27 (90.0%)
Frequency of learning received during the workshop on the measurement of the AP in students of the courses of Physiotherapy and Medicine, of a private higher education institution, 2016.	4 (13.3%)	3 (10.0%)
Frequency of learning received during the workshop on the measurement of the AP in students of the courses of Physiotherapy and Medicine, of a private higher education institution, 2016.	2 (6.7%)	2 (6.7%)

Table 1 : Distribution of the frequency of the learning received during the workshop on the measurement of the AP in students of the courses of Physiotherapy and Medicine, of a private higher education institution, 2016.

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Table 2 : Comparison of the steps of the indirect measurement of BP, according to the answers of the theoretical evaluation, from the adapted Q-CTMIPA, pre and post educational intervention, in the students of the Physiotherapy and Medicine course, 2016.

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Table 3 : min: minimum number of steps performed; max: maximum number of steps performed; med: mean; dp: standard deviation; * Wilcoxon test.

Biography

Cynthia Kallás Bachur has PhD in Sciences in the Graduate Program in Fundamental Nursing at the University of São Paulo. She graduated in Physiotherapy from the University of Ribeirão Preto, Specialization in Exercise Physiology and Master in Health Promotion by Franca - Brazil. She is a Member of the Interdisciplinary Research Group on Hypertension of the School of Nursing of Ribeirão Preto. A contributing member of the Blood Pressure Screening Programs Group - World Hypertension League. She is a collaborating member of the Brazilian Advisory Committee on Hypertension; Member of the Research Ethics Committee of the University of Franca and; Scientific Coordinator of the League of Cardiology of the Medicine course of the University of Franca. and Preceptor in the Medicine course of the University of Franca, with practice in the active methodology problem based learning. She develops projects in the area of blood pressure measurement; evaluates exercise-induced cardiovascular adaptations and projects to evaluate risk factors for cardiovascular disease.