



Effect of Body Positions on Lungs Volume in Asthmatic Patients: A Cross-sectional Study

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Authors' contributions

This work was carried out in collaboration between all authors. Authors WWM, MNNH managed literature search. Authors LR, GS, NSBY, ABM managed for data collection and author HHKS performed data analysis. Authors LR, GS, NSBY and ABM wrote the initial draft of the manuscript. Authors WWM, MNNH and HHKS managed literature search and advised for initial draft of the manuscript. Author WWM wrote final draft of the manuscript. All authors read and approved the final manuscript.

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ABSTRACT

Aim: The purpose of our research was to investigate the effect of different body positions on lungs volume by conducting pulmonary function test (PFT) values of the asthmatic patients. The objectives were (1) to assess the correlation between pulmonary function and posture in adult patients with asthma, (2) to determine the best position with higher lungs volume that was preferable for the asthmatic patients to relieve the asthma attack and for rehabilitation approach.

Study Design: Cross-sectional study.

Place and Duration of Study: This study was conducted in the Reconstructive and Rehabilitative Center at University Malaysia Sarawak (UNIMAS) between December 2015 and June 2016.

Methodology: The total of 30 participants was recruited in this study. Among them, 15 participants were asthmatic patients and 15 participants were non-asthmatic, control persons. All the

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