

Thesis Title: Effect of Oxygen Weaning on Oxygen Deficit in Acute Myocardial Infarction During Bathing and Bedmaking.

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ABSTRACT

This investigation was performed in order to study the effect of oxygen weaning on oxygen deficit in acute myocardial infarction during bathing and bedmaking. Eighteen male uncomplicated acute myocardial infarction patients who were admitted to the intensive care unit at Siriraj Hospital for the first time were selected to be included in the study. These eighteen subjects were used as both control and experimental groups by Change-over design. The control group received oxygen therapy during bathing & bedmaking, the experimental group did not receive. Heart rate, respiratory rate, and blood pressure were observed and recorded according to the specified time sequence model, PaO₂ value was measured before and after bathing & bedmaking. Other signs and symptoms such as chest pain, weakness, skin color and mental state were also observed. These parameters were measured as the body response to oxygen deficit. The data were analyzed by the Analysis of variance of the randomized block design with repeated measurement, the Analysis of variance of the randomized block design, Dunnett's test, Change-over design, and Paired comparison.

The result of the study revealed, oxygen administration in uncomplicated acute myocardial infarction after 24 hours admission to the hospital, giving or not giving oxygen during bathing & bedmaking did not affect the heart rate and blood pressure, but did have influence on the respiratory rate and PaO_2 value. Bathing & bedmaking caused the significant difference on the heart rate, respiratory rate and PaO_2 in both the oxygen inhalation group and oxygen weaning group, but blood pressure was not significant different. Weakness was commonly observed during bathing and bedmaking and decreased after rest.

BIOGRAPHY

Name: ARPHORN CHUAPRAPAISILP

Date of Birth: February 16, 1950

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Institutions Attended:

- Phaharuetai, Chiangmai
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