

The Role of APACHE II Scores on the Risk of Skin Dryness in Critically Ill Patients

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ABSTRACT

Objectives: this study explored the extent to which APACHE II could affect the risk of skin dryness in critically ill patients.

Design: A retrospective cohort study was carried out. A cohort of patients with acute illness retrospectively admitted to a tertiary care hospital between May 2023 and July 2023.

Materials and methods: patients were categorized into two groups related to presence or absence of skin dryness. Four APACHE groups were assigned based on the APACHE scores: group 1 (APACHE score 31-40), group 2 (APACHE score 21-30), group 3 (APACHE score 11-20), and group 4 (APACHE score 3-10).

Results: The percentage of patients with skin dryness was 43.1%. Patients with skin dryness have a mean APACHE II score of 17.70, with a standard deviation of 7.75, while patients without skin dryness have a mean APACHE II score of 15.31, with a standard deviation of 5.56. The p-value of > 0.05 suggests that there is no statistically significant difference.

Conclusion: The incidence of skin dryness in the study population is most likely not related to the APACHE II death risk.

Keywords: APACHE II; skin dryness; Critical illness.

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