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## Prognostic Factor in Respiratory Failure in Intensive Care Unit: Is Serum Albumin Valuable?

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**Objectives:** In the Intensive Care Unit (ICU), the number of patients followed due to respiratory failure is quite high. Identification of prognostic factors in these patients is very important. There are also prognostic factors outside of primary disease. We aimed to investigate the relationship between survive and serum albumin level in patients with respiratory failure.

**Methods:** In our study, we evaluated 645 patients retrospectively.

**Results:** In order to determine prognostic factors, in patients below average age and over 65 years old, we did not find a significant difference in hemoglobin (Hb) and total protein values compared to mean values. However, we found a significant difference between C-reactive protein (CRP) and albumin levels and admission (survival) in ICU.

**Conclusion:** Even more interesting is; we have found that the replacement limit is very valuable in terms of survival. With the rapid identification of the primer and the initiation of treatment, we determined by our analyzes that it is effective to survival not when it is below the lower limit of albumin (2.5 mg/dl) but when it is below the lower limit of the reference value (3.5 mg/dl). This is a valuable result in the sense that it can be used in our daily practice, it is practical and easy, and it has an effect to survival. We have presented our work on this subject in the context of current publications.

**Keywords:** Intensive care, respiratory failure, survive, albumin