

RISK FACTORS FOR HYPONATREMIA IN ELDERLY PATIENTS BEYOND PHARMCOLOGICAL EFFECTS

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Background

Hyponatremia is the most frequent electrolyte disorder among **elderly** patients (9.4-15.0% of prevalence). It is rarely attributed to pharmacological causes despite being one of the most common **drug-induced** electrolyte abnormalities. Although some studies have shown an increase in mortality, others have failed to confirm this association.

Purpose

- To estimate the prevalence of hyponatremia in geriatric patients.
- To determine which chronic drugs or alternative risk factors are associated with hyponatremia and whether hyponatremia is related to re-admission or mortality.

Materials and methods

Age (years)

We included ≥80 years old patients consecutively admitted from March to July 2018 in an Acute Geriatric Unit (81 beds), from a University Hospital. Data collected: age, sex, pre-admission Barthel index and Pfeiffer test, number and family of chronic drugs, laboratory test, comorbidities, length of stay (LOS), mortality, re-admission and mortality at 30 days post-discharge.

Hyponatremia

(Na<135 mEq/L)

n=29 (18.86%)

90.1 (86.4-93.4)

Normonatremia

(Na=135-145 mEq/L)

n=143 (83.14%)

88.4 (85.5-90.3)

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0.129*

Results







Median data (P25-P75).*U-Mann-Whitney-Wilcoxon. ¥ Fisher's exact test

Conclusions



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