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Delirium in a Latin American intensive care unit. A prospective cohort study of mechanically ventilated patients

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OBJECTIVE
To establish the prevalence of delirium in a general intensive care unit and to identify associated factors, clinical expression and the influence on outcomes.

METHODS
This was a prospective cohort study in a medical surgical intensive care unit. The Richmond Agitation-Sedation Scale and Confusion Assessment Method for the Intensive Care Unit were used daily to identify delirium in mechanically ventilated patients.

RESULTS
In this series, delirium prevalence was 80% (N = 184 delirious patients out of 230 patients). The... CONTINUE READING

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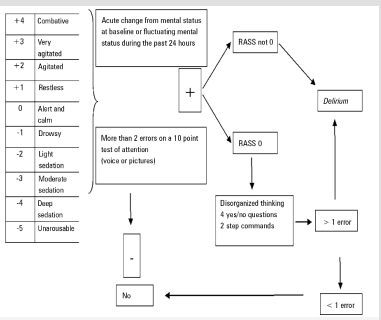

Figure 1

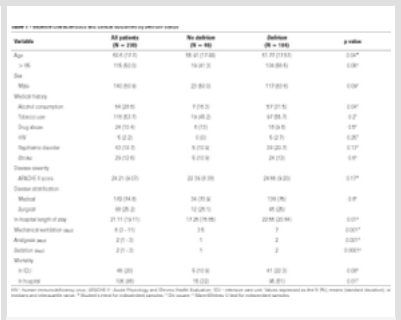

Table 1

Figure 2

Table 2 - Multiple logistic regression modelling *delirium* as the dependent variable

Variables	Multivariate analysis		
	OR	p value	95%CI
Age > 65	1.02	0.03	1.003 - 1.048
Alcohol consumption	2.90	0.03	1.11 - 7.89
Surgical patients	0.26	0.04	0.07 - 0.96
Days of ventilation prior to *delirium* onset (ref: 0-1 day)	1	0.001	
2	0.09	0.001	0.02 - 0.38
3	0.18	0.024	0.04 - 0.79
4+	0.17	0.008	0.04 - 0.63

OR - odds ratio; 95%CI - 95% confidence interval. Included only variables with $p < 0.2$.

Table 3 - the outcome variable

Variables	Multivariate		
	OR	p value	95%CI
Sedation days	1.26	0.008	1.07 - 1.48
Total mechanical ventilation > 7 days	3.58	0.001	1.59 - 8.08
APACHE II	1.07	0.029	1.02 - 1.13
Acute coronary syndrome	11.79	0.029	1.34 - 103.2

OR - odds ratio; 95%CI - 95% confidence interval; APACHE II - Acute Physiology and Chronic Health Evaluation II. Included only variables with $p < 0.2$.

Table 3

Topics

- Delirium
- Ethanol
- Cessation of life
- Hyperactive behavior
- intensive care unit
- Confusion
- Respiration
- Subtype (attribute)
- Mechanical ventilation
- Sedation procedure
- Agitation

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