

Acute coronary syndrome: The difference in mortality between genders in an ICU in Brasilia-DF, Brazil

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Introduction: In acute coronary syndromes (ACS) the mortality of acute myocardial infarction is higher in men than women, but for female coronary disease is most fatal in relation to the other sex.

Objective: Through a descriptive study, the intention of this study is to verify women mortality is higher than men after an ACS and to elucidate which risk factors are more related to mortality.

Methods: 996 patients were analyzed from a large database; which data were collected between October 2003 to December 2010 from patients who were admitted in the ICU with the diagnosis of ACS. The Spearman's bivariate correlation was used to compare death and gender. Factors with possible influences such as age, hypertension, diabetes mellitus, dyslipidemia, sedentary and lifestyles were analyzed by logistic regression models and were associated as covariates. The statistical analysis was performed using SPSS 17.0 software.

Results: The mortality rate of ACS among women (11,8%) was almost double compared with male sex (7,1%), the bivariate correlation has shown statistically significant ($p = 0,078$). In logistic regression models the relationship between gender and death has changed in the female sex with age ($p = 0,013$), presence of FH ($p = 0,018$) and stress ($p = 0,368$), in the male sex with age ($p = 0,017$) and stress ($p = 0,034$).

Conclusion: Mortality is higher in women than in men after an episode of acute coronary syndrome and risk factors such as age, FH and stress are important because their presence influences the mortality of each case.

Biography

Lucas Albanaz Vargas is a 4th year medical student at the University of Brasilia-UnB. Currently received a CAPES scholarship under the sandwich degree program "Science Without Borders-USA", allocated at Loyola University Chicago (2012 -2013). Participates in the Center for Neurobehavioral Development in studies of child and adolescent-UnB.

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