

Comparison of AMI mortality rate between two CCU set-ups in north Iran

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Objective:

Acute myocardial infarction (AMI) is still a major cause of death in developed and underdeveloped countries. AMI mortality has regional variation. We studied and compared the AMI mortality in the CCU of two different hospitals at north Iran.

Material and mehtod:

This cross sectional retrospective study was performed on 1027 patients of AMI at West Mazandaran (group A) and 1676 AMI cases in a CCU at Guilan (group B). Age gender, Clinical & EKG diagnosis and mortality rate were collected from patients case records and analyzed by standard research methodology using SPSS-10. Chi 2 test was used for comparison.

Results:

Mean age of AMI cases in group A (*Mazandaran*) was 62.2 years while mean age of in-hospital mortality cases was 71.3 years. All case mortality rate was 9.2% in group A (*Mazandaran*) versus 14.3% in group B(*Guilan*). Gender related mortality rate was 7.6% in male patients of group A (*Mazandaran*) in comparison to 12.2% of group B(*Guilan*). In female cases of group A (*Mazandaran*), the mortality rate was 11.9% in comparison to 16.9% in group B(*Guilan*). Mortality in ST elevated AMI cases of group A (*Mazandaran*) was 14.2% versus 15.7% in group B(*Guilan*). In non ST MI cases of group A (*Mazandaran*) mortality was 3.5% versus 4.1% in group B(*Guilan*).

Gender ratio of AMI in two centers