

## عنوان مقاله:

The role of ProBNP in differentiation of cardiogenic and non-cardiogenic syncope : A diagnostic accuracy study

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## خلاصه مقاله:

Objective : The significance of diagnosing the root reason for syncope and taking therequired preventive or treatment measures cannot be overlooked when it comes tooutcome prediction. This study endeavors to examine the role of proBNP in differentiatingcardiogenic and non-cardiogenic syncope in patients presenting to the emergencydepartment (ED).Methods : We prospectively performed a cross-sectional study on patients presenting with acute syncope. All the patients for this investigation were followed up until thedefinite cause of their syncope (cardiac or non-cardiac) was diagnosed and the screeningperformance characteristics of proBNP in differentiation of cardiogenic and noncardiogenic syncope were evaluated.Results : Three hundred patients with syncope were studied (FF.Y% male). In the end,the cause of syncope was determined to be cardiogenic in VT cases (FF.Y%). The areaunder the ROC curve of proBNP in the differentiation of cardiogenic syncope from noncardiogenic was estimated to be VA.A (A a% CI: VT.A - AF.Y). The optimal cutoff point forproBNP in the is regard was VFT.A pg/mL point. Sensitivity, specificity, positive and negativepredictive values, and positive and negative likelihood ratios of proBNP in the mentionedcut-off point were VA.PtW (A a% CI: FY.FV-AV.FY), VA.YF% (A a% CI: YT.FF-A a.aFT.YA), T.FF (A a% CI: VT.FF-A a.aFT.YA), and V.Ya(A a% CI: VT.FF-A a.aFT.YA), VA.YF% (A a% CI: VT.FF-A a.aFT.YA), and V.Ya(A a% CI: VT.FF), respectively.Conclusion: The accuracy of proBNP in differentiation of cardiogenic and non-cardiogenic syncope is fair. ProBNP concentration equals to or higher than VFT.A pg/mL can differentiatecardiogenic syncope from non-cardiogenic with Va% sensitivity and VF% specificity. Itseems that its use for this purpose should be considered with caution and along with othertools

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