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Retrospective Study

Value of GRACE and SYNTAX scores for predicting prognosis of patients with non-ST elevation acute coronary syndrome

Wang XF *et al.* Value of GRACE and SYNTAX scores in acute coronary syndrome

Xiao-Feng Wang, Ming Zhao, Fei Liu, Guo-Rong Sun

Abstract

BACKGROUND

GRACE and SYNTAX scores are important tools to assess the prognosis in non-ST-

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For every patient, the GRACE score was calculated. All patients underwent coronary angiography within 2 days and the SYNTAX scoring system was used to evaluate the severity and extent of coronary stenotic lesions. Based on ROC curve analysis, the cut-off value of GRACE score that could predict SYNTAX score ≥ 23 was calculated.

Cited by: 3

Author: Reza Rahmani, Babak Majidi, Hamid Aria...

Publish Year: 2020

[The role of GRACE score in the prediction of high-risk ...](#)

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The role of GRACE score in the prediction of high-risk coronary anatomy in patients with non-ST elevation acute coronary syndrome. <p>We studied 207 consecutive patients (mean age: 59 ± 11 years, 27.5% female). The GRACE score was 139 ± 34 in the HRCA group and 114 ± 33 in the LRCA group ($p = 0.001$). There was a significant positive correlation between SXscore and GRACE score ($r = 0.338$, $p \dots$

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[Accuracy of the TIMI and GRACE scores in predicting ...](#)

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A GRACE score of 120 and a TIMI score of 2 were predictive of obstructive CAD with, respectively, a sensitivity of 57% and 75.7% and a specificity of 61.8% and 47.9%. Conclusion: The GRACE and TIMI scores correlate moderately with the extent of coronary disease assessed by the SYNTAX score. They can predict obstructive CAD but not severe disease.

Cited by: 5

Author: Rania Hammami, Jihen Jdidi, Fakher Mro...

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[Prognostic Value of GRACE Risk Scores in Patients With Non ...](#)

<https://www.frontiersin.org/articles/10.3389/fcvm.2021.582246> ▾

Feb 16, 2021 · The incidence of total MACE was significantly higher in patients with high GRACE risk scores than in patients with low GRACE risk scores ($p=0.006$). ROC curve analysis showed that the GRACE risk score has moderate value in predicting MACE in NSTEMI-MINOCA patients. The area under the ROC curve was 0.710 (95% CI 0.625 to 0.796, $P<0.001$).



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Background: In patients with unstable angina/non-ST-elevation myocardial infarction (UA/NSTEMI), Global Registry for Acute Coronary Events (GRACE) score is a valid tool for risk stratification. The Synergy between PCI with Taxus and Cardiac Surgery (SYNTAX) score is an angiographic scoring system to guide the decision-making between coronary artery bypass grafting (CABG) surgery and ...

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Author: Guojin Min, Fei Ma, Mubashir Qureshi, Danyang Xie, 2021

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The Value of the GRACE Score for Predicting the SYNTAX ...

<https://pubmed.ncbi.nlm.nih.gov/31495747>

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Publish Year: 2020

The role of GRACE score in the prediction of high-risk ...

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There was a significant positive correlation between SXscore and GRACE score ($r = 0.338$, $p < 0.001$). The area under ROC curve for GRACE score was 0.71 (95% CI 0.60-0.81, $p = 0.001$). A GRACE score of 123 was identified as the optimal cut-off to predict HRCA with a sensitivity of 71% and a specificity of 60%.

Cited by: 8 **Author:** Burcak Kilickiran Avci, Baris Ikitimur, Ozge ...

Publish Year: 2015

Accuracy of the TIMI and GRACE scores in predicting ...

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Author: Guoqing Yin, Fuad A. Abdu, Lu Liu, Silin... **Publish Year:** 2021

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<https://pubmed.ncbi.nlm.nih.gov/30595268>

Aims: We aimed to compare the **GRACE** and TIMI risk **scores** in **patients with non- ST elevation acute**

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