


eComment: Does EuroSCORE predict postoperative complications?

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We congratulate Hirose et al. for presenting the relationship between EuroSCORE and postoperative complications in patients who underwent isolated on-pump coronary artery bypass grafting [1].

We would like to comment the author’s article with our experience. When we started the investigation, the 1000 consecutive cases of adult open heart valve surgery took place over a three-year period. Logistic EuroSCORE was applied to predict operative mortality. Postoperative mortality, morbidity and postoperative length of stay were analyzed. EuroSCORE had an area under the receiver operating characteristic curve (ROC) of 0.639 for prediction of hospital death, the correlation coefficient (r) was 0.177 and P<0.05. Moreover, EuroSCORE was correlated with postoperative complications: the area under the ROC was 0.668, the correlation coefficient was 0.224. Our finding revealed that EuroSCORE could predict not only mortality but also potential complications after open heart valve surgery. It was noteworthy, that the length of stay did not correlate with EuroSCORE (r=0.08). So, our results also suggested that EuroSCORE was a good predictor for postoperative complications [1, 2].

References
