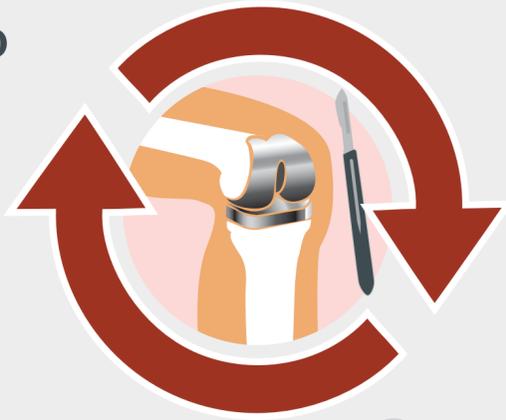


CARDE-B: A Simple Scoring System to Predict Mortality After Revision Total Joint Arthroplasty

A tool is needed to predict the risk of perioperative mortality after revision total joint arthroplasty (TJA)



Researchers developed a one-point scoring system, based on data from 13,118 patients who underwent revision TJA, called CARDE-B



Predicted probability of death within 30 days of a revision TJA



Compared with other scoring systems

- American Society of Anesthesiologists physical status classification (ASA)
- 5-factor modified frailty index (mFI-5)



Validated in

- The National Surgical Quality Improvement Program (NSQIP) database
- Nationwide Inpatient Sample (NIS)

The CARDE-B Criteria



Congestive heart failure

+1



Albumin or malnutrition (<3.5 mg/dL)

+1



Renal failure on dialysis

+1



Dependence for daily living

+1



Elderly patients (>65 years of age)

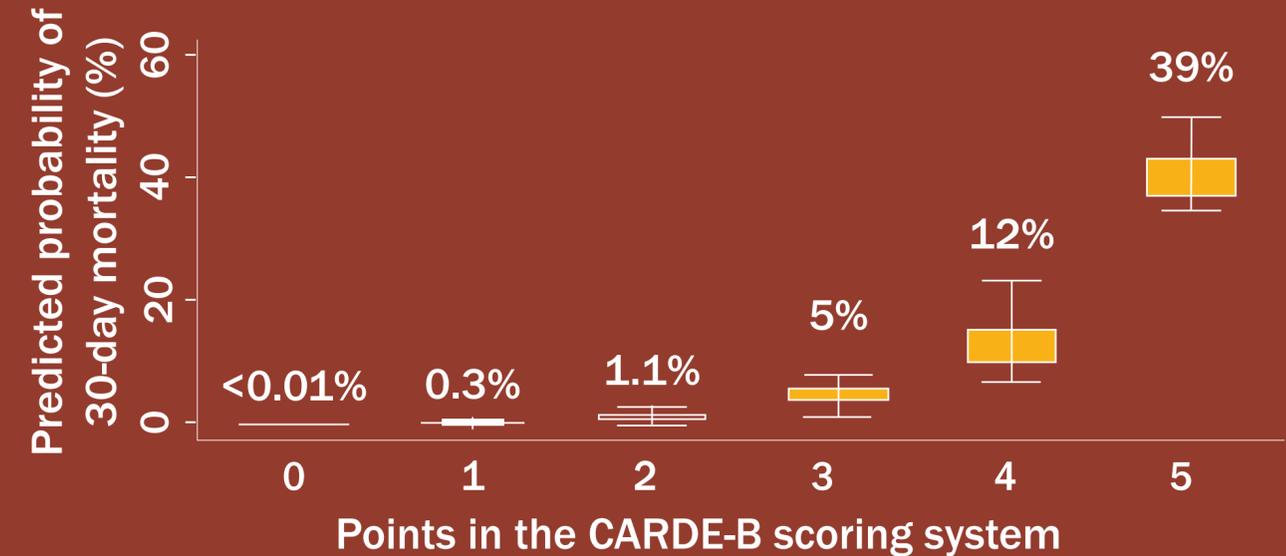
+1



Body mass index (<25 kg/m²)

+1

Predicted probability of 30-day mortality after revision TJA increased stepwise with increasing CARDE-B score



The predictive accuracy of the CARDE-B scoring system was greater than that of the ASA and mFI-5 scoring systems



The CARDE-B scoring system showed goodness of fit in the NSQIP database and NIS



The CARDE-B score:

- Predicts the risk of death within 30 days of a revision TJA
- Offers surgeons and patients a validated tool for risk stratification

The CARDE-B Scoring System Predicts 30-Day Mortality After Revision Total Joint Arthroplasty

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