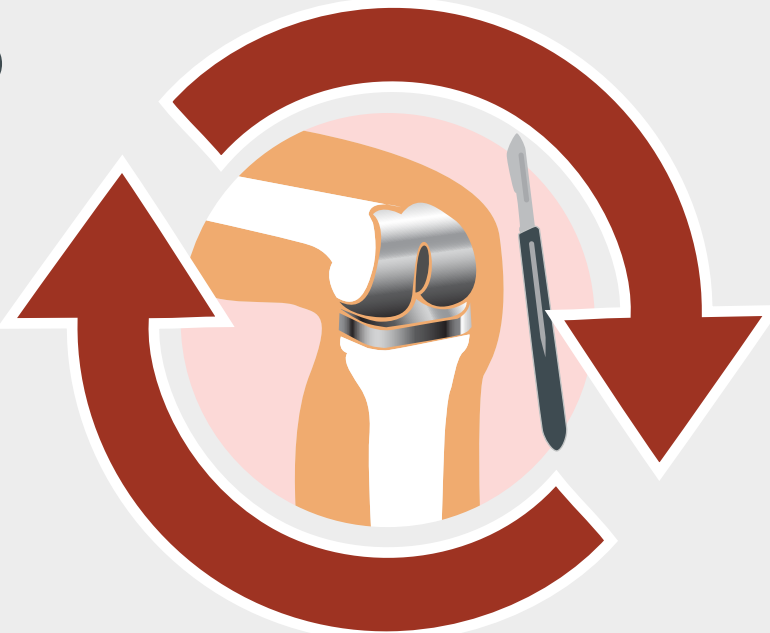
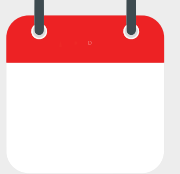




CARDE-B: A Simple Scoring System to Predict Mortality After Revision Total Joint Arthroplasty

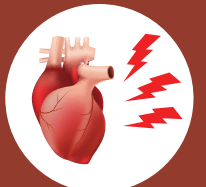

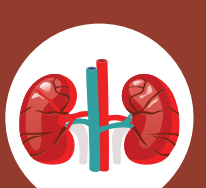



A tool is needed to predict the risk of perioperative mortality after revision total joint arthroplasty (TJA)



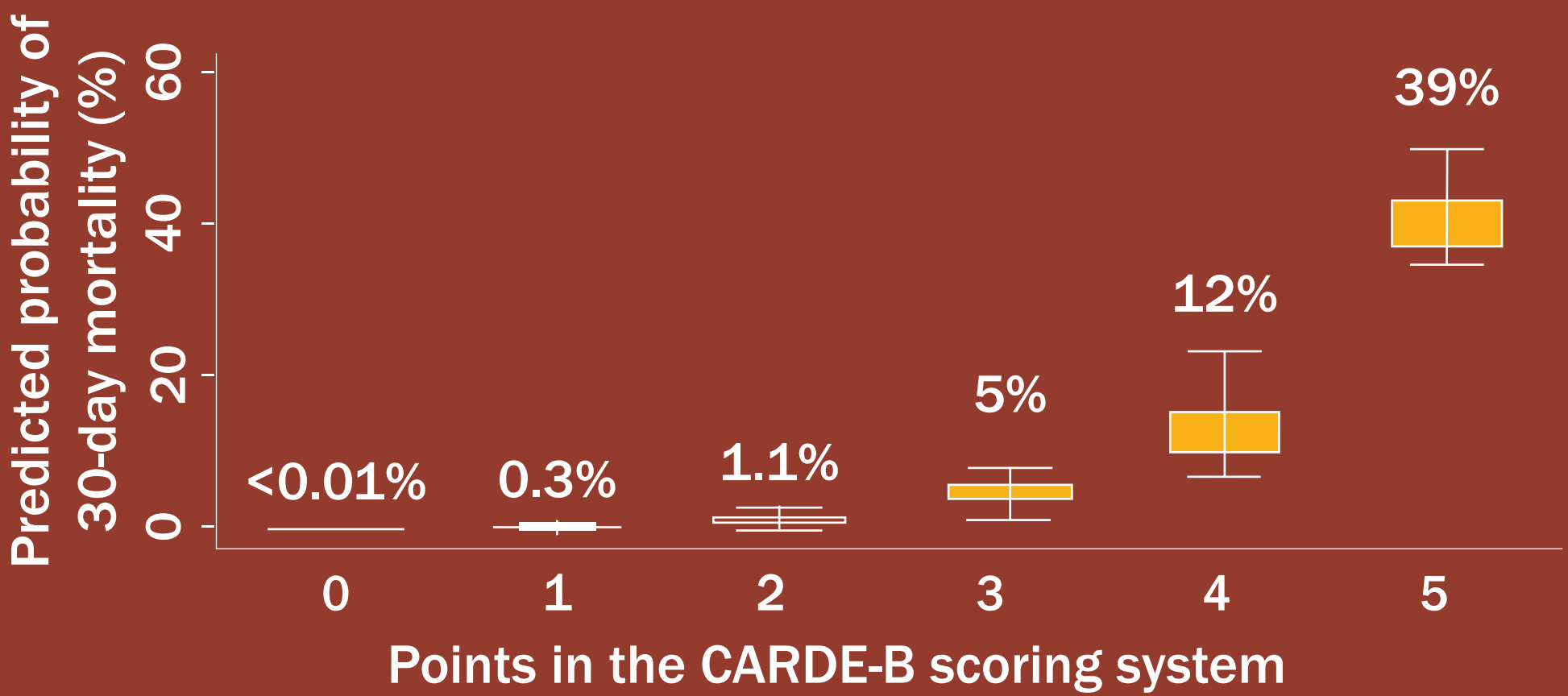
Researchers developed a one-point scoring system, based on data from 13,118 patients who underwent revision TJA, called CARDE-B



-  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
Raad et al. (2021) | DOI : 10.2106/JBJS.20.00969