Supplemental Digital Content 2. Area Under Receiver Operator Curve for prediction of periprosthetic infection. ML models demonstrated Area under the curve (AUC) ranging from 0.64 to 0.73. The decision tree and voting ensemble models achieved the highest AUC. Glm, generalized linear model; mars, multiple adaptive regression splines; dt, decision tree; knn, k-nearest neighbors; svm, support vector machine; rf, random forest; XGB, extreme gradient boosting; nnet, single hidden layer artificial neural network; vote, voting ensemble.