Dear editor of the BMJ!

We are pleased to hereby submit a paper ”Prediction of Early Periprosthetic Joint Infection after Total Hip Arthroplasty: development and external validation of a multivariable model based on observational registry data from Sweden and Denmark”.

We provide the parsimonious model as a web calculator for shared decision-making prior to elective surgery (<https://erikbulow.shinyapps.io/thamortpred/>). This tool is also used to predict the risk of 90 day mortality, as previously described in a featured paper (<https://doi.org/10.1302/0301-620X.103B3.BJJ-2020-1249.R1>).

This is, as far as we know, the first such model derived and externally validated on two national cohorts with almost complete coverages. We therefore believe that this article will be of interest to the broad readership of BMJ.

This paper has not been previously submitted elsewhere.

Best regards  
Erik Bülow  
On behalf of the authors